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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 dasaga 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 31'3" 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.

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

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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-l 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 not 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 %' (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

- 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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020

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

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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" $(6 \neq 00 \text{ W}, 3 \neq 00 \text{ S.})$ 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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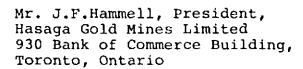
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Dear Sir:

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

December 21st, 1954.

Mr. J. F. Hannell, President, Hasaga Gold Mines Limited, 930 Bank of Commerce Mulding, Toronto, Onterio.

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J.F.Hammell

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 preceded by edtailed geological mapping and extension of the magnet-ometer 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 symface 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.

<u>Level</u>	No. of Holes	Width	Length	Value
251	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 gr	ade.	

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	<u>Value</u>
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.

<u>Level</u>	No. of Holes	Width	Length	<u>Value</u>
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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<u>level</u>	No. of Roles	Width	Ionath	Value
251 1251	8	23.5 13.2	2501 3001	\$5.71 6.20
2501	4 3	13.2	3001	8.33 - posaible
,	•	Ore gr		p 0 0002020

Total estimated tonnage end grade to the 360 foot level, 149,400 tone grading 36.75 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:

I • Vel	Mc. of Moles	Width	Length	741ue
251 1251	1	15.2	?	\$2.80 3.65

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

Lovel	No. of Moles	Width	length	<u>Value</u>
251	5	11.4	185†	\$5.21
1251	3	9.7	200†	4.02
2501	3	14.3	100†	6.73

This lens is estimated to contain 41,780 tens grading \$5.05 per ton ever 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.

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	<u>Value</u>	Width	
F-33	270 '	\$4.06	28.7'	
F-47	450'	2.56	6.3'	
.≥-48	475'	9.45	3.01	

- D Zone This zone was first tested by trenching and chip sampling but drilling failed to c've 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-l Zone- Scattered intersections suggesting a possible zone below the 300 foot level have been termed the B-l 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.

Hole No.	Vertical Nepth	<u>Value</u>	XIdth
Y-33	270	14.06	28.71
7-47 7-48	4501 4751	2.56 9.45	6.31 3.01

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7-47 8-33 7-48 7-50	310 380 540 500	9.5° 5.3 12.2	\$3.15 9.20 6.65 F11	100'F.of F-47 200'F.of F-47 300'F.of R-47

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J.F.Hammell

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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December 21st, 1954.

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JOB/ROSE



2007SE9624 52007SE14 CALEY LAKE

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 dril 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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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.

<u>Discoveries - Values - Drill Results</u>

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.

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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, som 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, Al, Bl, Cl, 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, Bl, F and D in central section, Cl and C on south. A, Bl and Cl 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 1 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 result: on the A zone is given on a plan:

Section holes at approx. depth	Width	Length -	- Av. Value	Notes	
25 feet 125 250 500	23.51 13.2 13.2 Values bel	250' 300 300 .ow ore grade	\$5.71 6.20 8.33	x ray holes	

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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- Alex-Watt



52007SE9624000500

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.

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FROM

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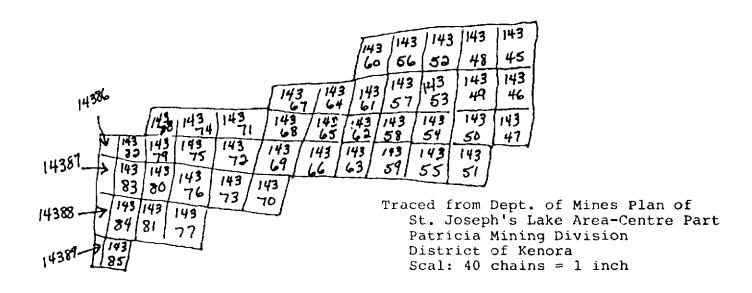
Page 2 Hasaga's Koval Claims

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 con ist of Pa. 14352-77 inclusive, and Pa. 14380 - 81 inclusive, as shown below.

If I do not hear to the contrary from you, I w^{\prime} l make the necessary application for extension on the whole group for a period of one year.

Alex Watt



Mr. D. A. MacGillivray

FROM	Alex. Watt	July 5, 1959
SUNJECT	Page 2 Hasaga's Koval Claims	PILE REPEARICE

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

Control of side

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 Kovul-Ohman Option.

Hole No. D.D. . \$77...

Logged by W.R.MoQ

Pl Location Direction Date

Ko.	Description	Footage	Width	As 07.	Sì Vol∵e
1					
29555	Dark and sherty. Streak of massive	{		j	
!	p yrite.	24-26	24 7	1	nil
56	Silicious. Dark with fine pyrite.	151-153	24"		nil
57	Ditto.	153-155 1	30"		nil
58 i	Ditto.	1551-158	30"	1	nil
59	Dark brown. Fine and uniform. Some			1	TT T
1		6816-1701	24"		
60	Fine and dark. Streak of pyrite and	00-0-110) <u>6</u> /116 "]		nil
	pyrrhotite.	105 100	048		A 5-
61		175-177	24"		0.35
	Silicious - dark. Fine pyrite.	177-179			0.35
62	Ditto.	1793-182	30"	·	nil
63	Ditto	182-184	301	(2.80
64	Ditto.	1843-187	30"		4.55
65	Ditto.	187-189	24"		<u>n\$l</u>
66	Fine dark and uniform. Well mineral		Į		
·	ized.	189-191	30"		nil
67	Dicto.	1913-194	30"	[nil
68	Ditto.	194-196	30"	7	nil
69	Dark and silicious. Fair.	294-296			2.45
70	Slaty and cherty. Streaky mineral-				
1	ization.	315-317	2411		nil.
71	Dark. Some green. Pairly well min-	010-01	n.a.	. *	1177.
'^	eralized.	322 } -325	30"		2.10
72	Dark fine and brown. Not well	ರಾಜಕ್ಷ-೧೯೧	<i>3</i> 0	1	Z. 10
(2)		BOS BOD3			
	mineralized.	325-327분			nil
73	Ditto.	327分-330	. 30 ⁿ		nil
74	Coarse amphibole and garnet. Heavy	_ !			ı
1	pyrrhotite.	330-332	30"		6.65
75 (Dark and well mineralized. Arseno-		,		
. 1	pyrite. eto.	3322-335	் 30π		10.15
76	Ditto. Less arsenopyrite. Blue-				
	grey silicious bands.	335-337	3011	1	5.95
77	Ditto.	3371-340	30"	,	5.25
78	Ditto.	340-3423	30"		
					5.25
79	Ditto.	3425-345	30"		20.30
80	Dark. Not well mineralized.	345-347합			nil
81	Ditto.	347-8-350	30"	'	nil
82	Dark.	350-352			nil
83 }	. Ditto.	352½-355	30!"		nil
84	DYtto.	355-357	2411		nil
85	Dark with quartz. veining.	357-359	2411	(1,4
86	Ditto	359-361			2.1
87		361'9-362'			nil
88		101 1-000	10"	!	1117
68	Kostly quartz. Arsenopyrite in the	10110 225			
1		62'10-365	26"		8.4
89	Ditto.	365-367	24"	• •	nil
90	Ditto.	367-3683	18"]	4.5
	•]			
91	Dark. A little veining. Well min-	1		1	1
1	eralized. Arsenopyrite.	3681-370	18"	l .	0.7

PICKLE CROW GOLD MINES LTD.

DIAMOND DRILL REPORT.

Hole No. D.D.

Place Location Direction Date

Sample No.	Desembles	77		Assay
NO.	Description	Footage	Wlath	Oz. Value
29592	Dark.	370-372	30"	nil
93	Dark. Fair arsenopyrite.	3728-375	30"	1.05
94	Dark. Fair mineralization 5" dyke.		24"	3.50
95	Ditto.	377-379	2411	8.05
96	· Ditto.	379-381	24"	4.20
97	Silicious. Well mineralized. Pyrite		~-	4.20
ì	and pyrrhotite.	381-383	24"	4.90
98	Ditto.	383-385 1		2.45
99	Ditto.	3851-388	30"	nil
29600	Dark. Well mineralized.	388-390	24"	1.05
01	Ditto.	390-3924		nil
ŠÕ	Sericite-oblerite. Quartz veining.	3924-395	30"	nil
03	Ditto. Some coarser dark.	395-397		nil
04	Ditto. Slaty. Quartz veining.	3974-401	42"	nil
-	22000 22000 4 dans 10 10 22 170 4	03.g-202		1 11 11
0-12	Casing.		•	
12-24	Sediments. Cherty type. Dark and de	rk silici	bus band	B with prominent
	light colored narrow cherty bands.			
	19-20 Ground.	1		1
24-36	Sediments. Dark with green and sil	icious ban	ds.	
36-75€	Sediment. Dark brown. Medium grain			een bends and a
	few atringers sections which are f	ine and un	iform. N	arrow dark silio-
	ious bands common.	1	T	
	72%-74 Ground.		1	[
75ৡ-129	Sediments. Green and dark bands. T	din banded	L	}
129-151	Sediments. Dark brown, fine and un	form. Son	b dark g	rev silicious ban
	Gash stringers of quartz and carbo	nate.	T 0	
151-158	Sediments. Dark grey silicious. We		ized wit	h fine pyrite
	(As in X-17)	, -		1 1
158-16518		iorm. As l	£9 - 151.	1
518-16816		and sligh	tly porp	hrytid. Frobably
	intorsial. Some pyrite.		1	
8'6-177	Sediments. Fine brown with light o	herty band	B. Also	hark silicious
	bands.		1	
177 - 188'6	Silicious. Dark as B zone. Fine py	rite.		
816-240	Sediments. Dark fine and uniform.		mineral	ized for first 6
	feet or so.		1	1 1
	1972-2018 Dyke.			1
240-294	· Sediments. Green with dark and bro	wn bands.		
•	244-252 Mostly fine and uniform. B	rown.	1	1.
	277-278 Ground.			· ·
	288-289 Ground.	1	1.	}
	290-294 Ground.		[
294-29618	Sediments. Dark and silicious, fin	e uniform.		1 . 1
618-29811		1		
811-3051		nent garne	ts.	
515-30615		[ł	(,) ,
- 0-00015	Dyke.			
	T .			- 1

DIAMOND DRILL REPORT.

Hole No. D.D. F-7....

Sample	_		2	·	_		A£	say
No.	Descrip	tion	······································	7	Footage	Width	0z.	Value
06'5-325	Dark with gre 315-317 Slaty	en plus	a few cherty. Str	erty ba	nds. neraliza	ion.		
:	318-319 Groun 3221-325 Fair	id. :ly well:		- 1		ł	and a	rsenopyrit
25-330 30-332 }	Dark fine and Coarse amphil	oole and	garnet.	Heavy	yrmotit	••		
23-345	Dark, fine an and veining h	arrow.		1		1	81110	ious.bandi
45-357 57-36816	Dark coarser 75% irregulation	than la	st but no white v	t well eining.	minerali breccis	zed. Zone. I	n last	half sed
	ents are wel. Dark. Medium	l minera	lized wit	h arseh	nopyrite.	-[
'6-381	261'9-363'10 3750381 Inor	Dvke.			-	1	Purtt	יישת יום
	ite.			į		-{	1	
81-388	Silicious. Wand chlorite					-	į	i
88-392월 2월-401	Dark. Well m Sericite-chl	ineraliz orite sc	ed. Pyrit hist: sla	e, pyr ty ban	rhotite a	and coars	se arse ralize	enopyrite. ed.
			• •	1		}·		ļ··
101-402	Dyke.	arty ban	ds. A few	strea	ks of mix	neral.		
01-402 02-405'4 5'4-424		erty ban green ba	ds. A few nds (nari	strea	ks of mi	ral.		
02-405'4	Slate and ch	green ba	ds. A few nds (nar)	strea	ks of min	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few nds (nari	etrea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few nds (nar)	strea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few nds (nar)	strea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few nds (nar)	strea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few nds (nar)	strea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few nds (nar)	strea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few nds (nar)	strea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few	strea	ks of mi	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few	strea row.)	ks of min	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few	strea row.)	ks of min	neral.		
02-40514	Slate and ch Dark. A few	green ba	ds. A few	strea row.)	ks of min	neral.		

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

Hole No. D.D. . K-3...

Logged by W.R.MoQ

ample	Description	Footage	Width	Oz. IVali
1				
0005	Slaty. Pyrite.	7-10	36"	ni
06 !	Ditto.	10-12	30"	ni
07	Ditto.	123-15	307	ni
08	Quartz.	37-3719	9# {	ni
09 1.	Fine brown. Silicious bands with		1	}
	pyrite.	1476-150	30"	· ni
10	Dittol	170-172	24"	n
ii l	Rhyolite.	17714-1781		n
12	Fine and dark.	17814-180	207	n
13	Ditto.	180-1824	30"	n
	· · · · ·	1824-185	30"	n
14	Ditto.			
15	Ditto.	1975-200	30"	n
16	Silicious. Quartz veining.	200-203	36"	n:
17	Ditto.	203-206	36"	n
18	Dark and fine.	206-208	24"	n
19	•	188-190	24"	n
20	Slaty with cherty bands. Streaky		_	
ļ	mineralization.	325-3271	30 T	n
21	Ditto. Much pyrrhotite and pyrite.	327 1 -330	30"	0
22	Ditto.	330-332	. 24"	··· i· 0
23	Dark.	340-342		n
24	Ditto. Much pyrrhotite.	3423-345	30 ⁿ	n
25	Ditto.	345-347		1 1 4
	Dark and green. Weakly mineralized			l
26		7. 000-000g	30"	1 2
27	Ditto.	362 - 365		
28	Ditto.	365-367		מו
29	Ditto.	3672-370	30 [#] -	0
30	Dark and green. Massive streaks of	r		
	pyrite and pyrrhotite up to 1/8".	385-387	24"	1 1
31	Green and dark. Weakly, mineralize	1. 3900392}	⊹ 30፣	n
32	Ditto.	3922-395	30™	n n
33	Dark. Well mineralized.	395-397늄	30"	1 1
34	Ditto. Coarse arsenopyrite.	3978-400	30"	
35	Dark.	400-402	24"	l
	Ditto. Cherty bands.	402-404		
36	Divide Ondroy bonds			. 6
37	Silicious-slaty. Fair mineralizati	1004 0-400		1 1
38	Dyke.	40619-4081		1
39	Silicious. Irregular quartz veini	ng408.3-411	6 33"	1 1
40	Dark, silicious and slaty.	416'11-414	30#	1 1 7
41	Sericite - chlorite. Well mineral		1	[. l .
	ized. Arsenopyrite, etc.	414-416		1 10
42	Ditto. Coarse arsenopyrite.	416-418	24".	il r
43	Dark. Well mineralized. Pyrrhotit	в .	1.	
	and pyrite.	418-420	24"	l r
11.4	Dark and green. Weak mineralizati			
4/4		422 1 -425	30"	
45	Ditto.	} ~	ì	i 1
46	Irregular quartz veining.	435-437	B 27"	
		1	} .	İ
	!	· 1	1	1 1

DIAMOND DRILL REPORT.

Hole No. D.D. E-8

Sample :	•		1	Assay	
No.	Description	Footage	Width	Oz. Value	سو
0-7	. Casing.				
7-15	Sediments; fine, slaty and quit	e uniform. Fa	irly well	mineralized	
20	with pyrite, - following bedding	g.			
15-140	Sediments. Green and dark bande	d. Narrow sil	icious be	nds also.	
	371 9" quartz.				
	36-57 Liostly dark.	1	•		
i	85-86 Irregular quartz.				
140-17714	Sedimenta. Brown mostly fine an	d uniform but	with nar	row, dark	
. 1	silicious bands carrying pyrite	and pyrrhoti	10.		
	170' 5" dike.		· ·		
7'4-178'4	Rhyolite, porphry. Fine pyrite.	60mm 50		ng autte 0414	
8'4-200	Sediment. Dark grey-black. Fine		TO ROOFIC	us dares siri	10-
200-206	ious with pyrrhotite and pyrite Light silicious. Much irregular	analete vaini	no Dunni	otite and nur	rit.
200-208	Sediments. Dark grey. Fairly fi	ne and unifor	m. Some s	entions fairl	ÌΨ
-00-a41	silicious. Lineralization pror.	no the thirty			~
247-250	Sediments, green and dark.				
250-271	Sediments. Dark brownish black.	Fairly fine	and unife	rm. Some sect	tio
	quité silicious.				
271-325	Sediments. Dark with green band	ls.	1		
1	275'3-276'7 Dyke.				
	289'5-290'4 Dyke.	į			
. (296' 5" bull quartz.		1		
325-332	Sediments. Slaty and cherty. St	reaks of pyri	riotite a	dd pyrite.	
_	327-331 Some narrow massive bar		and pyr	ite.	
332-347	Sediment. Dark with fairly coal	rse grain.	J		
451 505	3432-3476 Coarse with garnets &	and whom barry	IOCILB AID	d Bore barre	-
478-395	Sediments. Dark and green. 371-373 5"and6" dykes.		1		
	3783 5" dyke.	1.			
395-405	Sediments. Dark brownish. Fair	ly well minera	dized	dyritel pyrrh	oti
030-200	and arsenopyrite. Cherty silic:	ious bands pro	minent i	n last 5	
405-418	Silicious-slaty. Quite well min	er lized. Co	arse arse	nopyrite comm	ion
	last few feet.		.	1	
·	406'9-408'9 Dyke.		1		
418-450	Sediments. Dark with green.		ļ	1 . 1 .	
	435-439 Irregular quartz veini	ng.	•	1 1	
1		, ,	1		
	End of hole 450'.		1		
·]	•		1		
}	•	,			
1	•				
		1 "			•

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

Hole No. D.D. Fr9...

Logged by W.R.MoQ

Place	Location	Direction	Date
•		•	

a nle			1	As	BAY
	Description	Footage	Width	Oz.	VΣ \ e
		1.			
30047	Silicious pyrite.	18 1 -211	36"	•	nil
		127 10-228			nil
48			36"	į	nil
49	Tuffs? with narrow pyrrhotite ban	182-182		Ì	
50	Quartz.	25812-2601	, -	į	nil
51	Brecoia zone.			Ì	ni
52	Ditto.	260 6-263	30¶		ni]
3694	Contorted brown sediment with con				
\	erable quartz veining mineralizat				
}	with pyrrhotite, apyrite and arsen		-0-		
		295-297 1	30"		ni.
95	Green and dark 'lenticular' bande]		
	with brown cherty bands. Fair pyr				
. 1	hotite and arsenopyrite.	310-312			ni.
30064	• .	350-352\frac{1}{2}			ni.
- 65		3522-355	30"		ni
66		355-357	30"		ni
53	Dark, silicious. Fine pyrite.	360-362	30"		0.
54	Ditto.	3622-365	, 30°		ni
55	Ditto.	365-367	30"		ni ni
56	Ditto.	3678-370	30"		ni
57	Ditto.	370-372		} ′	ni
58	Di tto.	3722-375	30"	1	0.
59	Ditto.	382-384	24"	ļ	ni
60	Rhyolite porphry.	384-387	36"		ni
61	Ditto.	387-390	36"	1	0.
62	Ditto.	390-392		İ	ni
63	Silicious.	3921-395	~ 30"	1	ni
33691	Silicified grey sediment with fir		1	ļ	
9992T	pyrite and arsenopyrite and mass	_	1:	\	
	ive pyrrhotite.	4023-405	30"		ni
92	Ditto. Less mineralization.	405-407		1	ni
	DICCO-TORR WINGLATINGOION.	500-502	30"	l	ni
30519	•	5022-505]	ő.
20	California domin	505-507	24"	}	ni
30067	Silioious dark.	507-510	36"	}	ni
30521	j	510-512		} .	n
22			301	1	
23	Ditto.	5122-515			n
24		515-517	30 ⁿ 30 ⁿ	1	0.
25	,	5172-520		1.	n:
26	,	520-522		1	n:
27		522½-525	30"	1	n:
30068	Slaty - cherty. Pyrrhotite.	525-528	36"	1	n
30528	•	528-530	24"		n:
. 29		530-533	36"		n
30	\	533-536	{ 36"		l n
31	,	536-539	₹ 36¶	1	l n
30069	Pyrrhotite-Garnet.	539-541	2411	1 '	n
		1	1 '	1	ı

DIAMOND DRILL REPORT.

Hole No. D.D. E-9

Sample !		i		A	ssay
No.	Description	Footage	Width	Qz.	Value
30070	Ditto.	541-543	24"		nil
30532	,	543-545	24 ⊓ ·		nil
33		545-547남	30"		nil
34	· ·	547会-550	30"		nil
35	•	550-552	30"		nil
36	•	5522-555	30"		nil
37		.555-557分	30"		2.80
38		557½-560	1x05	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 ⁿ 24 ⁿ		1.40
30540		571-573 573-575	24"		3.15 0.70
41	•	575-578	36 ¹¹	 	0.70
42		578-581	36"		2.45
30074	Darker weak mineralization.	581-584	36"	1	0.35
75	Ditto.	584-587	36"	1	0.35
76	Ditto.	587-590	367		1.40
77	Ditto.	590-593	36"	[.	2.45
78	Silicious. Well mineralized. Pyrrh-		•	,	1
	otite, etc.	593-595±		· ·	2.45
79	Ditto. Micaceous.	595 <u>1</u> -598	30"		0.35
. 80	Ditto.	598-600	24"		ni <u>à</u>
81	Silicious. Fine pyrite and pyrrhot			}	
1		600-602	24"	1	14.70
82	Dark sehistose. Weak mineralization		26"	1	nil
83	Silicious sericite chlorite.	605-607±	30" 30"	1	0.70
84	Ditto.	610-612		Ì	nil
85	Cherty slaty.	6123-615	30"	1	nil
. 86 87	Ditto. / - Dark with irregular quartz veining			1	nil
07	DULK MANN IIIARUMAT Junior Agining	•	1		
0-6	Casing.	}	ļ		1
6-16	Greenstone. Green, fairly uniform,	medium gr	hined an	ph1bo	litio.
	Altered andesite?	}	ļ	i	İ
16-21	Sediments; green and silicious to	$43\frac{1}{2}$ then f	Ine, uni	.Porm	and silio
~	ious bands. Gradually fine and fai	ply unifor	.		
	23'8-24'9 Dyke.	.			
313-572	Tuffs, Green, medium grained, amph	Aportrio M	htn nari	ro we:	ue white
	bands.		. عاد د . مأ		101
573-12711	Greenstone; green medium grained,	amburnoria	to. Alte	ster r	moesice (1)
	59'7-62'8 Dyke; fine acid diorite.			ł	
	11 Dark grey blue quartz.	the week ho	hum miss	hame	(hintita)
28'11-182"	Sediments (tuff?) Green amphibolit	TO MINT DI	Autr mroc	apouuz nad	, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,
i i	bands. Individual bands are unifor	m eng mega	hm Sram	٠٢٠٠	1
;	135-140 Some narrow massive pyrrho	TITE DANGE		, m.	ma gadiment
1	150-151 and 159 -162 Dark siliciou	a with one	trea name	1P. 11	-
. [1672-1732 Fine uniform tuffs or fi	ne fragmen	ntatz,	į .	
;		1	•	7	•

DIAMOND DRILL REPORT.

Hole No. D.D. E-9

	·			
Sample	Demontolon	77 4	1172 SAV	Assay
No.	Description	Footage	Wlath	Oz. Value
•	182-182'8 Quartz.			j
8218_184110	Phyolite flow or intrusions. Porphi	tic (felo	lspar) 😗	
4110-245	Sediments. Hormal brown and green w	with silio:	lous, band	8.
245-255'3	Sediments. Slate and cherty bands.			İ
5513-25812	Dyke. Fine and diorite.	•		
	Breccia zone. Cherty silicious with	n trapula	ouartz	veining.
5812-263	Sediments. Dark and green bands gr	shing into	the fine	uniform
263-288	brownish type from 245 to 255 and	then heady	ng 8 mag	dim grain brown
		THOM DOCOM	1116 4 110	
	type to 2881.	the lar hend	A moddyn	n grained Cons
288-32743	Sediments. dark brown and green, F	THOTA DATE	pu mouru	Brainode Comb-
	iderable irregular quartz veining.	100 730.		ļ !
<u> </u>	324! 4" dyke.	1	}	
2713-332	Dyke, fine soid diorite.			
332-345	Sediments; dark brown fine and uni	norm. Coar	ser pana	a coming in near
	last.			
345-360	Sediments. Brown with narrow silic	ious bands	Medium	grained out
Ì	becoming quite fine near end.	1	1	1 . 1
360-384	Sediment. Dark grey silicious zone	. (B some)	Fine di	sseminated pyrit
384-392	Rhyolite Porphry. Fractured and-si	Hetene-re	an-etant	and mineral-
1	ized with fine pyrite.	1	1	l l
392計-405	Sediments. Dark grey silicious nea	r start bu	t gradin	g into fine.
- 100	uniform brown sediment.			F 1
405-472	Sediments. Fine dark brown and uni	form.		
. TO - TO - TO - TO - TO - TO - TO - TO	427'10-430 Dyke. Medium grained di	drite.	1	1 '
į	452-472 A few green bands coming i	n.	1	1 1
472-501	Sediments. Green and dark.		1	
501-511 2		to fine de	rk silic	lous to medium
201-211	from brown with narrow silicious	nende .	1	
	504 8" dyke.		1	1
3310 534	Dyke. Acid diorite chilled margin.			
511 2-514	Sediments; dark prown and green.	' '		1
514-525	Slaty - cherty. Pyrrhotite and py	-1+0	}	1
525-528		1 100	1	1 1
528-529(5	Dyke.		1	} {
29'5-563	Sediments; green and dark.	domic anom		Purchatite.
	539-543 Garnets; silicious bands;	dark duar	ok Antuti	B. Tarres
563-593	Sediments, dark with silicious sta	nangers.	th ata	
	563-571 Fairly well mineralized.	тизепорутт	5B 8 66.	1
}	580'4-581'l Dyke.			
	3" following dyke in chlorite bree	odia zone	MULTU GOR	the armenopyrice
	591-593 Garnets prominent with a	гем втату	otnos.	
593-610	Sediments; silicious zone with day	rk micaceo	up 80011	ons, - generally
	quite well mineralized with pyrrh	odite, pyr	ipe and	arsanopyrite.
1	5961 6" dvke.) .	
610-614	Sediments. Dark cherty and slaty	bands. Str	epks of ;	pyrrhotlite and
	normi ta	1 .		
614-619	Sediments. Dark, chesty-and-slaty	and fine	. Conside	erable irregular
0T-3-0T3	quartz veining.	·	ŀ	
630.655			\	, , , , , , , , , , , , , , , , , , ,
619-637	Sediments; green and dark.	1	.	
1	621:6-622:3 Dyke. End of ho	Lei 6371		1 (
	Mind 42 mai	, •	\$	* T

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option.

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

Sample	No conduction	Factors	Wiath		ay Value
No.	Description	Footage	Widen	VZ.	varue .
30201	Breccia zone. Pyrite.	102-104	24"		nil
02	Ditto.	128-130	24"	- 1	nil .
03	Dark with green. Irregular quartz	1 '		İ	
İ	veining.	275-278	36"	1	nil
04	Ditto. More quartz than last.	279b-282	30"	1	nil
05	B zone.	372-375	36"	I	1.05
06	Ditto.	\$87 } -390	30" 30"	1	nil 2.10
07	Ditto.	3925-395 3975-400	30"	1	0.35
08	Ditto.	\$91 8 -593	18"	}	nil
09 10	Tourmaline and quartz. Dark with green and little arseno-		70.		MIT
10	pyrite, etc.	593-595	24"		nil
11	Ditto.	595-597	30"	į	nil
30125	Dark. Weakly mineralized.	615-617	30"	}	nil
26	Ditto.	6172-620	30"	i t	nil
27	Ditto.	620-622	3011	Ì	nil
28	Ditto.	622½-625	30"		nil
29	Ditto.	625-627	30"	Í	nil
30	Ditto.	6272-630°	30"	Í	nil
31	Ditto.	630-632	30"	, , ,	0.70
32	Ditto.	632 1 -635	30"		nil
33	Ditto.	635-637 k	30"	,	nil
. 34	Ditto. Better mineralization.	6372-640	30"		0.70
35	Ditto.	640-642 8	30"		1.05
36	Contact zone. Dark and silicious.			·	4 00
	Well mineralized.	6422-645	30"		4.20
37	Silicious.	645-647	30"	·	2.45
38	Ditto. Well mineralized. Pyrrhotit	647à-650	30"	,	nil
70	and pyrite.	650-652h	30 m	•	0.70
39	Ditto. ,	652k-655	30"		2.10
40 41	Ditto. Ditto.	655-657±	30"		4.90
42	Ditto. Sericite - 'chlorite in last	_		ĺ	2000
44	foot. Arsenopyrite.	657 1 -660	30"	{	1.75
43	Ditto.	660-662		{	3.15
44	Dark, sericite - chlorite and slat		1		3323
77	Well mineralized. Coarse arseno-		1	,	}
	pyrite.	662 } -665	30"		1.40
45	Dark brown with slaty and cherty l		}	}	
	Fair mineralization.	665-6673	30"		nil
) `
0-7	Casing.	1 .		1	
7-14	Tuffs. Green and medium to coarse	grained.	\ .	1	j
14-27	Sediments. Slaty and cherty. Street	ak fo pyrrho	dtite and	pyri	te. A few
	narrow green (tuff?) bands 6 in	aches and le	488.	.	}
• ;	201_211 Dyke.	1	t		
27-48	Greenstone; tuffs (?) Andesitho.	Contacts gr	dde in be	pepa	sediments
48-52	Sediments. Brown with slaty and of	nesty bands.	•		
	A MARTINE DE ALIEN LIBERT DE LA COMPANION DE L	, -	1	1	\$

DIAMOND DRILL REPORT.

Hole No. D.D. E-11

Sample		1	ĺ :	Assa	y
No.	Description	Footage	Width	Qz.IVa	lue
!					
52-78	Sediments or tuffs. Green and brown	banded wi	th silic	ious and	her
1	bands.	}			
1	66-69 Dark brown slaty - greywacke.	•	İ		
78-8719	Sediments, dark brown and uniform.	Fine slaty	banding	•	
19-223	Greenstone. Tuffs and fine fragment	als. Green	and her	vily oar	rbonat
- t	ized.	1.	ļ		
1	100'4-102 Fine dyke.	} :	Ì		
1	102-104 Breccia zone. Coarse pyrite	blebs.	}	Ì	
	194-120 Coarse grained amphibolitic	Consider	daple cro	es fract	turing
. 1	and slipping.	•			
1	128-132 Breccia zone.	1	'{		
	142-148 Considerable brecciation.				
	195-212 Slips lengthwise.	1	· ·		
-	212-214 Ground.	}	}	•	
. }	214-216 Heavily breceiated zone.				
	216-221 Banded brown and green with	i marked o	doss ilso	turing.	
102 000	221-223 Ground.				
23-229	Rhyolite; grey and fairly fine. Int	paive by .	last con	geot. Fi	ne ac
29-372	diorite. Sediments: brown, fine and uniform	to shout	3401		~ ^ ~~ ^
29-076	green bands start. but do not become				
			n. DIRCA	L quete	y iro.
\	264-270 then a few green bands again 275-282 Considerable irregular vein		da and e	loo tunda	
į	278-282 282-287% Much green with				•
j	2872-351 Fine uniform brown to 290				omina
1	but from 304' mostly a medium grain				
!	bands many of which are squeezed up	presenti	ng a noa	rse mott	led a
}	rance.	pprodomor	16 - 00-		
j	308-310 Irregular quartz veining;	also carbo	nate and	feldaba	r.
	314-323 As last. After 330 general.	ly less al	teration	s - more	norm
1	brown sediments with cherty and/or	licious	graenis	bands.	
1	351-372 Brown, fine and uniform. So				Groun
572-411'\$	Rhyolite? Dark grey silicious with				
	zone) Fractured and much altered.	In more ma	ssive se	dtions r	eadil
ļ	recognizable as origionally a fine	thyolite.	slightl	d porphr	ytic.
L15-509	Sediments; brown fine and medium	Around 440	y gradin	d to dar	k gre
}	black more silicious type but still	l fine and	uniform	•	
Ì	475-509 Dark brown, fine and unifor	rm, hut na	row sil	ioious g	reeni
ł	· bands increasing.		•	1 1	
	4781-480 Ground.		1		
{	5041-506 Ground.	•			
509-511 }	Dyke, fine acid.	1 .	, .	1	
113-525	Sediments tuffs? Dark brown with g	reen. Medi	um grain	eld.	
25-547	Sediments. Grey, fine and uniform.	Inclined	to be si	licions.	Some
_	cherty banding.	Ì	· ·	1 .	
547-593	Sediments. Tuffs? Dark and green be	anded. Lar	ge garne	ts near	549.
	Medium to coarse in grain; biotite			1	~
1	5582-5594 Dyke.		1		•

DIAMOND DRILL REPORT.

Hole No. D.D. .E.ll ..

Sample			i	Assay
No.	Description	Footage	Width	
93-644 644-662 <u>1</u> 521-681	586-591 Dyke. Medium grained dio 591-593 Much tourmaline and quart Sediments. tuffs? Dark with green erally. Silicious zone. For details see a Sediments. Slaty and cherty gradi Green bands xxxxx coming in arou	but only we	escripti	ons
	End of hole 681.			
{		,		
		[
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DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option.

Hole No. D.D. E-12

	_ I				say
No.	Description	Footage	Width	0z.1	Value
1				,	
30295	Round.	11-13	24 "	•	nil
96		13-15	24 ⁿ	į	nil
97		15-17	30"	į	nil
98 ,	•	19-21	24"	}	nil
99		21-23	24"	1	nià
30300	Round.	23-25	24 11	. !	nil
46	Veining in brown cherty sediments.	:			
40	Arsenopyrite.	ւ32 <u>1</u> - 135	30"	;	nil
47	Ditto.	135-137	30"	ł	2.4
		1772-180	30"	İ	nil
48		180-189	20		nil
49-52	Ditto.		2 - 11		
53	Grey. Fair mineralization.	225-228	36"		nil
54	Silicious. 'B' zone. Well mineral-				1 ~ ~
·	ized.	228-231	36 m		0.3
55	Ditto.	231-234	36"	İ	0.7
56	.Ditto.	234-236합	30 "	ļ	nil
57	Much quartz.	2365-238 1	24"		1.4
58	Brecciated 'B' zone.	2385-241	30"	1	3.8
59	Ditto.	241-244	:36n	İ	2.4
60	Ditto.	244-247	· 36"		1.4
	Ditto.	247-250	367	1	ni
61		290-292	30"	t e	1.
62	Garnets and heavy pyrrhotite.			}	
63	Ditto.	2921-295	30"	1	0.
30501	Tourmaling and quartz.	300-302	24"	}	ni.
02	Dyke.	302-305	36"		ni.
03	Green and dark.	305-307分	30"	1	ni.
04	Ditto.	3072-310	30 ¹¹ ·	1	ni.
05	Ditto.	310-312計	30 "	ļ	ni.
06	Ditto.	312分-315	. 30™	1	1.4
07	Ditto.	3150317	30"	į .	ni
08	Ditto.	3172-320	30 ⁿ ·	1	ni
09	Ditto.	320-322h	30"	1	ni
10	Ditto.	322 - 325	30"	1	0.
		325-328	36#	{	ni
30164	Dark and green.			1	
65	Ditto.	328-330	τ .	1	ni
66		80'8-331'		1	ni
67		3119-335	39"		ni
68	Dark and green. A few cherty bands.	335-337	24"	ļ	ni
69	· Ditto.	337-339	24"	}	ni
70	Silicious. Well mineralized pyrite.	339-341	2411] .	ni
71	Sericite chlorite.	341-343	24"	1	1.
	Sericite chlorite grading to dark		-	1	
. 72	, -	343-345	24"	1	ni
	impregnated.		1,		
73	Dark impregnated.	345-347			. 1.
74	Ditto. Well mineralized.	847½-350	30"	1	ni
: 75	Grading to silicious.	350-352	30"	1	0.
76		8521-355	30n	,	0.
76	Light grey silicous.	φυ αβα συψ	1	1	"

DIAMOND DRILL REPORT.

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

Semple				Assay		
No.	Description	Footage	Width	Oz.	Value	
`		Ì ·				
30177	Darker silicious. Much pyrite.	355-357h	30"		5.60	
78	Di tto.	357à-360	30"	1	7.35	
79	Ditto.	360-363	36"		7.00	
80	Fine dark.	363-365	2411		0.70	
81	Ditto.	365-3661	7 19"		nil	
82	Not split	L	24 ^T	· •		
02	MOO SPIIV	:375-377	24.		0.70	
32118	Grey sediment. Quartz stringers.		,	İ		
į	Little arsenopyrite and pyrite on					
į	slips.	108-110	24 ⁿ		1.40	
29	Rhyolite? Grey brown altered sed-	100-110	MI		1.40	
~~	iment.	110-112	30"		5.25	
30	Fractured and intruded at start.	TIOPLICE	. 50	i	5.25	
30	Fractured rhyolite at end.	1101 115	30"		0.00	
		1122-115			2.80	
.31	Highly fractured rhyolite?	115-117分			nil	
32	Ditto.	1172-120	30"		1.05	
33	Contact zone quartz veining.	120-122	24"		nil	
16	Grey sediment, quartz stringers.	1372-140	. 30"]	nil	
17	Ditto.	140-142			_ nil	
19	Grey sediment nuscovite.	162-164	24"		nil	
20	Grey sediment, muscovite.	172-174	24		nil	
0-11	And we		1			
	Casing.	-434-4-4-	1			
11-65	Sediments - Tuffs? Dark brown with	BITICIORE	green a	na aar	K 81T10	
i i	ous bands.	}	1.			
	171-19 Ground.	· ·	ļ .			
_ 1	24 7 7 Dyke.	ł	l			
65 -1 77 -	Sediments. Brown, fine and uniform	short co	prser ph	4888.	A few	
	narrow slaty and cherty bands.	1.	! !		1	
Ì	112-120% Rhyolite (?)	1	1	}	}	
Į	Heavily altered and fractured.		<u> </u>			
1	120g-137h More irregular, consideral	dle weinin	r espect	Ally 1	n last	
İ	five feet: also some arsenopyrite					
-	$137\frac{1}{8}$ - $177\frac{1}{8}$ Not as brownish as rest.		10103 110	l	Ī	
7 1 -189	'B' mone? Silicious Rhyolite (?) Co	fderabled	A Pina n	771+0	emound	
8-703	185.	PER TROT OF	A TIME D'	ATTRO	EL O UII U	
00 000		Dena and	1,00-		h	
39-228	Sediments - brown to grey - brown.	LINA SUG	hurrorm '	genera	hra Ere	
i	areas are more silicious.	1			1	
•	190-201 Green bands.		1.	1.	1	
	$204-205^{\frac{1}{8}}$ Dyke Last 3 feet grey and	more sili	¢ious wi	th ars	propyri	
	etc. mineralization.	1	1	1		
28-247	Silicious dark 'B' zone? Rhyolite?	Ruite wel	1 minera	lized.	Pyrite	
,	Arsenopyrite and Pyrrhotite.		1	1	1 -	
47-301 3	Sediments - tuffs? Brown with green	amphihal	tic ban	d a	{	
E I -OOTS	290-295 Brecolated Coarse garnets.	Heavy nor	Photite-	Γ''.	1	
	_	1.04.3 23.7	7		į	
1	300-301 Tourmaline and quartz.	1	1	} .	\ \ \	
-30418	Diorito dyke; soid.	Į.		1		
		l l	1	4	1 .	

DIAMOND DRILL REPORT.

Sample No.	Description	Footage	Width	Assay Oz.;Velu
, ,	Sediments - Tuffs (?) Dark and green banding increasing after 325. 330'8-231'9 Dyke. Mostly sericite and chlorite schist. with white quartz at start. All well	. Odd che liuch blu minerali bonate. Q nopyrite. lized wit	rty band e silici zed, pyr uite wel h pyrite Mineral	Siliciou ous materi rhotie. L mineral-
	End of hole 377%.			
•				
•				

DIAMOND DRILL REPORT. HASAGA

Hole No. D.D. E-13

_oval-Ohman Option.

ample :	Demonstration	I		Assa	
No.	Description	Footage	Wiath	Oz. Va	lue
50212	Fine brown, fairly silicious. Strea	ca .	•		
1	of pyrite.	5-7会	30 T	; } ₇	L. 05
13	Ditto.	72-10	30 ⁿ		ail
14	Ditto.	10-121	30"		nil
15		121-15	30"		nil
16	Datto.	15-17	30"		
17	Ditto. Much irregular quartz veinin	10-118	30"		ail
18	Ditto.	RT15-20			1.75
19	Ditto. Fair mineralization.	20-225	3011		ail
		222-25	30"		nil
20	Ditto.	25-28	36"	,	ett 1
21	Ditto.	28-31	36 ⁿ		1.40
22	'B' zone. Rhyolite fractured and			ļ Į	
	mineralized. Pyrite.	. 31-33	24"		2.10
23	Datto.	33-35	24"		3.15
.24	Ditto.	3-38	36#	, ,	4.55
25	Dyke.	38-41	3611		nil
26	'B' zone. Rhyolite. Fractured and	İ			
	mineralized. Pyrite.	41-44	36™	!	2.80
27	Ditto;	44-47	. 36π		2.89
28	Ditto.	47-50	· 36#	, · · · · ·	3.50
29	Ditto.	50-52 1	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 ii		nil
33	Ditto.	60-62참	30"		nil
34	Ditto.	625-65	. 30 11		nil
35	Ditto.	65-67₺	30"		nil
36	Ditto.	67층-70	30 "		nil
37	Ditto.	70-72分	3011		nil
38	Ditto.	723-75	30"		nil
39	Ditto. *	75-77	30"		0.35
40	Ditto.	77동-80	30 11		0.35
41	Ditto.	80-82날	30 n		nil
42	Ditto.	822-85	30 m		nil
43	Ditto. ;	85-87늄	30 ¹¹		nil
44	Dit to.	87출-90	30 п		nil
45	Ditto.	90-92計	30 T		nil
46	Ditto.	921-95-	30 11		nil
47	· Ditto.	95-97 1	30 m)	nil
48	Ditto.	973-100	3011		nil
49	Ditto.	100-102			nil
50	Ditto.	1022-105	30n		nil
51	Ditto.	105-107)	nil
52	Ditto.	107点-110	30#		nil
53	Ditto. 12" dyke.	110-112			nil
54	Slightly goarser a few green bands.		30 m		nil
]	
55 56	Ditto. Ditto.	115-117 2 117 <u>2</u> -120	30#	'	nil
	13.8 A.A. A	ו אמניו			0.70

DIAMOND DRILL REPORT. HASAGA

Hole No. D.D. E-=13

Sample :		1	1		вау
No.	Description	Footage	Width	0z.	Value
302 56	na tha	1. 1121 104	700	į	^ ~^
	Ditto.	1178-120	30" ·	[0.70
57	Dit to.	120-122	30"	-	nil
58	Di to.	1222-125	30"	1	hil
59	Brown and green	125-127	30"		nil
60	Ditto.	1272-130	30"	}	nil
61	Brown. Medium grained. Some green	130-132	30°	}	nil
62	Brown. Quartz carbonate stringers.	132 -135	30 ¹¹	-	nil
63	Ditto.	135-137	30"	1	nil
64	Greenish brown.	137計=140	30"	- {	nil
65	Mostly dyke.	140-162	30"		nil
66	Fine brown.	1423-145	30"		nil
67	Ditto. Some irregular quartz.	145-147計	30"	ļ	nil
68	Ditto.	1473-150	. 30"	1	nil
69	Slaty and brown silicious.	150-152	30"	Ī	nil
70	Ditto.	1523-155	30"	í	0.70
71	Dark with green.	155-157計	30"	}	0.38
72	Ditto.	1572-160	30"		nil
73	Dit to.	160-163	36"		nil
74	Mixed last with slate etc.	163-166	36"		nil
75	Dark: garnets.	172-175	35°		2.10
76	Dark.	175-177	3011		1.0
77	Ditto.	177삵_180	30 ⁿ		0.70
78	Dark uniform.	180-183	36"		nil
79	Pyrrhotite and garnets.	183-185	24"		0.7
80	Dark.	185-187	30 ⁿ		nil
81	Ditta.	1872-190	30 ⁿ		nil
82	Ditto.	190-192	30"		0.7
83	Ditto.	1923-195	30n		nil
84	Ditto.	195-197	24"		nil
85 -	Ditto. Quite well mineralized.	197-199	! 24n		1.0
86	Ditto.	199-201	30n	Ì	1.0
87	Ditto.	2012-204	30 ⁿ	i	0.3
				}	
88	Ditto.	204-206	30"	4	1.4
89		2061-209		i	9.1
90	Ditto.	209-211	30 n		2.8
91	Ditto.	211월-214]	30 m	i .	4.5
92	Dark and green.	214-216	30 "	ŀ	1.0
93	Ditto.	2162-2192	3511]	6.3
94	Ditto.	$219\frac{1}{6} - 223$	42"	1	1.4
301 83	Dark and green.	223-226	36"	1	nil
84	Dark and altered. Well mineralized		,	1	} _
	Pyrrhotite. etc.	226-2283	, 30 ⁿ	1	0.7
. 85	Dark with sericite chlorite. Garne		,	(1
•	Well mineralized.	228뉴_231님	36"		nil
86	Sericite chlorite.	2312-2332	2411		nil
87	Altered dark impregnated. Well	7		1	1
; 0 {	mineralized.	233 1 -236	30 ¹¹	1 .	nil
	Į.	1 -			1 44.4
88	Ditto.	236-238 1	30"		0.7

DIAMOND DRILL REPORT.

Hole No. D.D. E-13.

	• •			
Sample		}	į	Assay
No.	Description	Footage	Width	Oz. Value
30189	nii.	2381-241	30"	
;	Ditto. Slaty sericite schist.	241-244		nil 1.05
90 91	▼	244 2-245		nil
92	- y	245!2-246!		1.05
32	Slaty.		~	1.00
0-5	Casing.		}	
5-31	Sediments, fine, brown and uniform.	In places	a fair	amount of pyrite
}	both disseminated and in streaks for	llowing sh	paring o	r bedding.
Ī	173-20 Considerable irregular quart	d veining.	1	
31-58	'B' zone. Rhyolite slightly porphry	tio. Fract	ured and	mineralized
	mainly with pyrite.		.[1 1
!	38-41 Diorite dyke.	1	1	1
58 -112	Sediments; fine, brown and uniform.			1 1
· [111-112 Dyke.]	1	1
112-131	Sediments. Brown, quite similar to	38-112' 63	cept a l	lttle coarser
	and less uniform and with some gree	n banding	papecial	ly in last 6.
131-150	Sediments; brown, fine and uniform.	Tine qua	gez oaroc	pate stringers
	common.	}		
- [140-141'8 Dyke.	مم خدده ا		3
(NOTE Somewhere previous to 172' si	X 166r or	Bore was	a Toar land nor
1	reported. Discovered when checking 1721. To make core match hole this	TOUR STANK	tod betwee	then 1841 and 1721
-	which is probably where the core wa			
150-155-	Sediments: dark with slaty and cher			
155-164	Dark with green. Tuffs (?)	9 541145		
164-166	Sediments. Brown, slaty and cherty.		1	,
166-172	Sediments, tuffs? Dark with green.	darnets p	rominent	dn finst 4'
200-212	Fairly uniform, medium grain.			
	183-185 Much pyrrhotite. Large garr	nets.	•	1
185-197	Sediments - tuffs? Dark and altered	ld'A littl	e green.	Ledium grained.
	Lenses.	-	•	\$
197-214	Sediments. Dark brown. Fine to medi	lým. All f	airly well	ll mineralized.
	202 ₀ -203 ₂ Dyke.	1		
	211' 5" dyke.	- }		1 .
214-231 1	Sediments - tuffs? Dark with green.	Some ser	ipite - (chlorite near
_	last.	_	j	
2331-244	Dark; impregnated: Quite well miner	ralized.	· Į	
241-246	Slaty - cherty with sericite chlori	Ltie.	İ	
	244-245 Dyke.		•	
•	•	,	ì	1.
	End of hole 246'.			
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DIAMOND DRILL REPORT. HAS AUA Koval-Ohman Option.

Hole No. D.D. E-14

30196	Sample	Dogavintion	Footage	Wiath	BBA	ay
93 Slaty and cherty sediment. 6-8 24" n 94 Ditto. 8-10 24" n 10-12½ 30" 10-12½ 30" 10-12½ 30" 10-12½ 30" 10-12½ 30" 10-12½ 30" 30	AQ.	Desertheron	TOOCAKO	utri ctil	<u> 72, 1</u>	<u>atra</u>
93 Slaty and cherty sediment. 6-8 24" n. 94 Ditto. Ditto. 10-12½ 30" n. 95 Ditto. 16-18 24" n. 96 Ditto. 16-18 24" n. 97 Ditto. 18-20 24" n. 98 Ditto. 20-22½ 30" n. 20200 Ditto. 22½-25 30" n. 25-27½ 30" n. 25	3 0104	. Ditto	14 16	9411	1	nil
94 Ditto. 95 Ditto. 96 Ditto. 97 Ditto. 98 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 91 Ditto. 91 Ditto. 92 Ditto. 92 Ditto. 93 Ditto. 94 Ditto. 95 Ditto. 96 Ditto. 97 Ditto. 98 Ditto. 99 Ditto. 90 Ditto. 90 Ditto. 91 Ditto. 91 Ditto. 92 Ditto. 93 Ditto. 94 Ditto. 95 Ditto. 96 Ditto. 97 Ditto. 98 Ditto. 99 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 91 Ditto. 91 Ditto. 92 Ditto. 94 Ditto. 95 Ditto. 96 Ditto. 96 Ditto. 97 Ditto. 98 Ditto. 99 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 90 Ditto. 91 Ditto. 91 Ditto. 91 Ditto. 91 Ditto. 91 Ditto. 91 Ditto. 91 Ditto. 92 Ditto. 91 Ditto. 92 Ditto. 93 Ditto. 94 Ditto. 95 Ditto. 95 Ditto. 96 Ditto. 96 Ditto. 96 Ditto. 96 Ditto. 96 Ditto. 97 Ditto. 98 Ditto. 98 Ditto. 98 Ditto. 98 Ditto. 99 Ditto. 99 Ditto. 99 Ditto. 90 Dit		Sloty and sharty addiment			· ·	nil
95 Ditto. 97 Ditto. 98 Ditto. 98 Ditto. 99 Ditto. 99 Ditto. 18-20 224 30 n n n 20-222 30 n n n 25-272 30 n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n 25-272 30 n n n n n 25-272 30 n n n n n n n n n n n n n n n n n n					1	nil
97 Ditto. 98 Ditto. 99 Ditto. 18-20 24" 19-20 30200 Di. to. 20-22\frac{1}{2} 30" 21-22-23-25-30" 21-23-35-37\frac{1}{2} 30" 21-24-30" 21-25-37\frac{1}{2} 30" 22-25-35-30" 23-35-37\frac{1}{2} 30" 24-25-35-30" 25-37\frac{1}{2} 30" 25-37					1	nil
98 Ditto. 99 Ditto. 2022½ 30" 30" 30" 30200 Di.to. 01 Ditto. 02 Ditto. 02 Ditto. 03 Ditto. 04 Ditto. 05 Ditto. 06 Ditto. 06 Ditto. 07 Ditto. 08 Ditto. 09 Ditto. 09 Ditto. 10 Ditto. 10 Ditto. 10 Ditto. 10 Ditto. 10 Ditto. 10 Ditto. 10 Ditto. 11 Slate and greywacks. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 15 Ditto. 16 Ditto. 17 Dyks. 18 Slate and greywacks. 19 Dyks. 10 Ditto. 11 Ditto. 12 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 16 Ditto. 17 Dyks. 18 Slate and greywacks. 19 Dyks. 10 Ditto. 11 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 16 Ditto. 17 Dyks. 18 Slate and greywacks. 19 Dyks. 20 Ditto. 21 Ditto. 22 Ditto. 23 Silicious Quartz veining. 24 Ditto. 25 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 21 Ditto. 22 Ditto. 23 Silicious Quartz veining. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 21 Ditto. 22 Ditto. 23 Cround. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 20 Ditto. 21 Ditto. 22 Ditto. 23 Cherty - slaty with dyks. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Cherty - slaty with dyks. 29 Ditto. 30 Quartzitic - Greywacks. 31 Ditto. 31 Ditto. 32 Cherty - slaty with dyks. 36 Quartzitic - Greywacks. 36 Cherty - slaty with Ditso. 36 Quartzitic - Greywacks. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 31 Ditto. 31 Ditto. 32 Cherty - slaty with Ditso. 33 Ditto. 36 Ditto. 37 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty with Directory Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty with Directory Direc						nil
99 Ditto. 30200 Di to. 01 Ditto. 02 Ditto. 02 Ditto. 03 Ditto. 04 Ditto. 05 Ditto. 06 Ditto. 07 Ditto. 08 Ditto. 09 Ditto. 09 Ditto. 09 Ditto. 09 Ditto. 09 Ditto. 00 Ditto. 00 Ditto. 00 Ditto. 01 Ditto. 02 Ditto. 03 Ditto. 04 Ditto. 05 Ditto. 06 Ditto. 07 Ditto. 08 Ditto. 09 Ditto. 09 Ditto. 10 Ditto. 11 Ditto. 12 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 15 Ditto. 16 Ditto. 17 Ditto. 18 Slate and greywacke. 19 Ditto. 19 Dyke. 10 Ditto. 11 Ditto. 12 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 16 Ditto. 17 Dyke. 18 Slate and greywacke. 19 Dyke. 19 Dyke. 20 Ditto. 21 Silicious Quartz veining. 22 Ditto. 23 Silicious Quartz veining. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 21 Ditto. 22 Ditto. 23 Ditto. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 20 Quartzite with dyke. 20 Ditto. 21 Ditto. 22 Ditto. 23 Ditto. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 20 Quartzite with dyke. 20 Ditto. 21 Ditto. 22 Ditto. 23 Ditto. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 30 Quartzite with dyke. 31 Ditto. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty with dyke. 35 Ditto. 36 Quartzitic - Greywacke. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 D					4	nil
22 22 25 30						nil
01 Ditto.					1	
Ditto					1	nil nil
03 Ditto. 04 Ditto. 05 Ditto. 05 Ditto. 06 Ditto. 07 Ditto. 08 Ditto. 09 Ditto. 09 Ditto. 10 Slate and greywacke. 11 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 16 Ditto. 17 Dyke. 18 Slate and greywacke. 19 Dyke. 10 Ditto. 11 Slate and greywacke. 19 Ditto. 10 Ditto. 11 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 16 Ditto. 17 Dyke. 18 Slate and greywacke. 19 Dyke. 10 Ditto. 20 Ditto. 21 Silicious Quartz veining. 22 L2 dyke. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 21 Ditto. 22 Ditto. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 21 Ditto. 22 Ditto. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 30 Quartzite with dyke. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 36 Quartzitio - Greywacke. 36 Cappeace. 36 Cappeace. 36 Cappeace. 36 Cappeace. 36 Cappeace. 36 Cappeace. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Cappeace. 36 Cappeace. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Cappeace. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Cappeace. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Cappeace. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Cappeace. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Cappeace. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 33 Ditto. 34 Ditto. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 31 Ditto. 32 Ditto. 34 Ditto. 3					ţ	nil
04 Ditto. 32-35 30n n 05 Ditto. 35-37½ 30n n 06 Ditto. 37½-40 30n n 07 Ditto. 40-42½ 30n n 08 Ditto. 42½-45 30n n 09 Ditto. 45-47½ 30n n 10 Ditto. 47½-50 30n n 12 Ditto. 50-52½ 30n n 12 Ditto. 55-57½ 30n n 13 Ditto. 57½-60 30n n 14 Ditto. 57½-60 30n n 15 Ditto. 66-63 36n n 16 Ditto. 63-6613 39n n 17 Dyke. 6613-681 39n n 19 Dyke. 71-74 36n n 21 Silicious Quartz veining. 72-81½ 30n n <					Ţ	nil
05 Ditto. 06 Ditto. 07 Ditto. 07 Ditto. 08 Ditto. 09 Ditto. 09 Ditto. 10 Ditto. 10 Ditto. 11 Slate and greywacke. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 16 Ditto. 17 Dyke. 18 Slate and greywacke. 19 Dyke. 10 Ditto. 11 Slate and greywacke. 11 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 16 Go-63 36n related and greywacke. 17 Dyke. 18 Slate and greywacke. 19 Dyke. 10 Ditto. 11 Slilicious Quartz veining. 11 Slilicious Quartz veining. 12 Ditto. 13 Silicious Ditto. 14 Ditto. 15 Ditto. 16 Bilicious Quartz veining. 17 Dyke. 18 Slate and greywacke. 19 Ditto. 20 Ditto. 21 Silicious Quartz veining. 22 Lim dyke. 23 Silicious Ditto. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 30 Quartzite with dyke. 30 Ditto. 30 Quartzite with dyke. 30 Ditto. 31 Ditto. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitio - Greywacke. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Quartzitio - Greywacke. 31 Ditto. 32 Cherty - slaty. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Quartzitio - Greywacke. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Quartzitio - Greywacke. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 35 Ditto. 36 Quartzitio - Greywacke. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto.					1	nil
06			25 271	30"	; ;	nil
07 Ditto. 08 Ditto. 09 Ditto. 10 Ditto. 10 Ditto. 11 Slate and greywacke. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 15 Ditto. 16 Ditto. 17 Dyke. 18 Slate and greywacke. 19 Dyke. 20 Ditto. 21 Silicious Quartz veining. 22 L2m dyke. 23 Silicious. 25 Ditto. 25 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 30 Silicious. 30 Silicious. 30 Silicious. 30 Silicious. 30 Silicious. 31 Ditto. 32 Ditto. 33 Ditto. 34 Cherty - slaty with dyke. 36 Cherty - slaty. 36 Ditto. 36 Quartzitic - Greywacke. 36 Cherty - slaty. 36 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Chartzito - Greywacke. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 36 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Cherty - slaty. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 33 Ditto. 34 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 33 Ditto. 34 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 33 Ditto. 34 Ditto. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 34 Ditto. 35 Ditto. 36 Ditto. 37 Ditto. 38 Ditto. 39 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 30 Ditto. 31 Ditto. 32 Ditto. 33 Ditto.						ni]
08 Ditto. 09 Ditto. 10 Ditto. 11 Slate and greywacke. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 15 Ditto. 16 Ditto. 17 Ditto. 18 Slate and greywacke. 18 Slate and greywacke. 19 Dyke. 10 Ditto. 11 Ditto. 12 Ditto. 13 Ditto. 14 Ditto. 15 Ditto. 15 Ditto. 16 Ditto. 17 Dyke. 18 Slate and greywacke. 19 Dyke. 20 Ditto. 21 Silicious Quartz veining. 22 12 ^m dyke. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 29 Ditto. 20 Ditto. 20 Ditto. 21 Ditto. 22 Ditto. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 29 Ditto. 30 Quartzite with dyke. 30 Ditto. 30 Quartzite with dyke. 31 Ditto. 40					į	0.7
Ditto Ditt					1	ni
10						ni]
Slate and greywacke.						ni.
12					· .	ni
Ditto.						ni.
14						ni
Ditto.					"]	ni
16						ni.
17	16				1	ni.
18					1	ni
19 Dyke. 20 Ditto. 21 Silicious Quartz veining. 21 Silicious Quartz veining. 22 12" dyke. Ground. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 30 Quartzite with dyke. 30 Quartzite with dyke. 31 Ditto. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitio - Greywacke. 36 Quartzitio - Greywacke. 37 Ditto. 38 Ditto. 39 Ditto. 30 Quartzitio - Greywacke. 31 Ditto. 32 Cherty - slaty. 33 Ditto. 34 Quartzitio - Greywacke. 36 Quartzitio - Greywacke.						ni
20 Ditto. 74-77 36" 30" 21 Silicious Quartz veining. 79-81		— •				ni
21 Silicious Quartz veining. 22 12" dyke. Ground. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 30 Quartzite with dyke. 31 Ditto. 60% dyke. Ground. 60% dyke. Grou	73	•				ni
12" dyke. 81\frac{1}{3} = 63\frac{1}{3} 24" 77-79 23 Silicious. 85\frac{1}{3} = 85 18" 18 24 19 10 10 10 10 12 10 10 10					}	ni
Ground. 23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 30 Quartzite with dyke. 31 Ditto. 60% dyke. Ground. 60% dyke. Ground. 60% dyke. Ground. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 37 Creywacke. 38 Silicious. 88 Sil-85 88 18 m 87 2-90 30 m 90-92 2 30 m 90-9					1	ni
23 Silicious. 24 Ditto. 25 Ditto. 26 Ditto. 27 Ditto. 28 Ditto. 29 Ditto. 30 Quartzite with dyke. 31 Ditto. 60% dyke. Ground. 60% dyke. Ground. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitio - Greywacke. 28 Ditto. 29 Ditto. 30 Quartzitio - Greywacke. 28 Ditto. 30 Quartzitio - Greywacke. 28 Ditto. 30 Quartzitio - Greywacke. 28 Ditto. 30 Quartzitio - Greywacke. 29 Ditto. 30 Quartzitio - Greywacke. 20 Ditto. 31 Ditto. 32 Cherty - slaty. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitio - Greywacke.	24				1	***
24 Ditto. Cherty - slaty with dyke. Ditto. Cherty - slaty. Ditto. Ditto. Quartzitic - Greywacke. Ditto. Quartzitic - Greywacke. Ditto. Quartzitic - Greywacke.	07			1011	} {	ni
Ditto. B7k-90 30 m 30						ni
26 Ditto. 27 Ditto. 28 Ditto. 28 Ditto. 29 Ditto. 30 Quartzite with dyke. 31 Ditto. 60% dyke. Ground. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 36 Quartzitic - Greywacke. 37 Ditto. 38 Ditto. 390-92½ 30" 92½-95 30" 97½-100 30" 100-102 24" 102-104 24" 104-105 105-107½ 30" 110-112½ 30" 110-112½ 30" 115-118	- 1		00-01 2	301	{	ni
27 Ditto. 28 Ditto. 29 Ditto. 30 Quartzite with dyke. 31 Ditto. 60% dyke. Ground. 60% dyke. Ground. 52 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 27 Ditto. 28 Ditto. 95-97\$ 95-97\$ 30" 100-102 24" 100-102 24" 105-107\$ 105-107\$ 107\$-110 10-112\$ 10-112\$ 110-112\$ 110-112\$ 115-118 15-118			90-927	3011		ni
Ditto. 95-97k 30		,			1 1	ni
29 Ditto. 30 Quartzite with dyke. 31 Ditto. 60% dyke. Ground. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 397½-100 30n 100-102 24n 100-102 24n 100-105 100-107½ 100-105 100-107½ 100-105 100-107½ 100-105 1		· · · · · · · · · · · · · · · · · · ·		201		ni
30 Quartzite with dyke. 31 Ditto. 60% dyke. Ground. 32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 100-102 24 ⁿ 102-104 104-105 105-107½ 20 ⁿ 107½-110 110-112½ 30 ⁿ 110-112½ 30 ⁿ 115-118 36 ⁿ					1 .	ni
31 Ditto. 102-104 104-105 104-105 104-105 105-107½ 30 m 32 Cherty - slaty with dyke. 105-107½ 30 m 33 Ditto. 105-110 30 m 34 Cherty - slaty. 110-112½ 30 m 35 Ditto. 112½-115 30 m 36 Quartzitio - Greywacke. 115-118 36 m					[
60% dyke. Ground. Cherty - slaty with dyke. Ditto. Cherty - slaty. Ditto. Cherty - slaty. Cherty - slaty. Ditto. Quartzitic - Greywacke. 104-105 105-107½ 105-107½ 30n 110-112½ 30n 112½-115 30n 115-118 36n					(ni
32 Cherty - slaty with dyke. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 31 Cherty - slaty. 32 Ditto. 33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 30 Ditto	31			64"	{	ni
33 Ditto. 34 Cherty - slaty. 35 Ditto. 36 Quartzitic - Greywacke. 1071-110 30" 110-1121 30" 1121-115 30" 115-118 36"				20 2	.[
34 Cherty - slaty. 35 Ditto. 36 Quartzitio - Greywacke. 110-1121 30m 115-118 36m						ni
35 Ditto. 36 Quartzitio - Greywacke. 1122-115 30" 115-118 36"	. 33			4 *		ni
36 Quartzitio - Greywacke. 115-118 36"	34	Cherty - slaty.			. .	ni
36 Quartzitic - Greywacke. 115-118 36"	35					1.
		Quartzitio - Greywacke.	115-118	36"	1	ni
01 DI 0000	37	Ditto.	118-121	36™	,	n
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DIAMOND DRILL REPORT.

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

		; (1	A	вау
No.	Description	Footage	Width	Qz.	Value
	Ground.	121-123		.	
30338 !	Dittol	123-125	24"		nil
39	Ditto.	125-217計	30"		nil
40	Dit to.	127급-130	30"		nil
41	Ditto.	130-1324	30"		nil
42	Dit to.	1323-135	30"		nil
43	Ditto.	135-137+	30"	•	nil
44	Sediments.	1375-140	30"		nil
45	Ditto.	140-1423	30 ⁿ		nil
46	Ditto.	1421-145	30"		0.35
47	Ditto.	145-147計	30"		nil
48	Ditto.	1472-150	30"		nil
40		150-176	50		1 1111
40	?		24"		743
49	Slates.	176-178			nil
50	Ditto.	178-180	24"		nil
51	Ditto.	180-182	30"	ļ	nil
52	Ditto.	1822-185	30"		nil
53	Ditto.	185-187	30 <u>n</u>		nil
54	Di tto.	187 10 190	. 30 T		nil
55	Ditto.	190-192	. 30 "		nil
56	Ditto.	1925-195	30"		nil
57	Ditto.	195-197去	30 T		nil
58	Ditto.	1974-200	30 ⁿ	į	nil
59	Ditto.	200-202 1	30 ⁿ		nil
60	Ditto.	2021-205	30"		nil
61	Ditto	205-207	30"		nil
62	Ditto.	2071-210	30° -		nil
		210-212	30"	1	nil
63	Ditto.		30"	1	nil
64	Ditto.	2126-215		1	
65	Black. Quartz veinlets.	215-217	30"		nil
66	Sildoifi'ed. Quartz veinlets.	2178-220	30"	1	nil
67	Slaty.	220-222	30 ^m	j	nil
68	Ditto.	222 2 -225	30"	j	ा धा
69	Dyke.	225-226	14"	}	nil
70	Dyke. Quartz and tourmalinized sediments pyrite.	•		1	
	pyrite.	22612-227	16"		1.05
71	Veinlets in tourmalized sediments.	2272-230	30"	1 .	0.35
72	Ditto.	230-232	24 11	1	nil
73	Ditto.	232-234	247	1	nil
· 74	Much quartz in tourmalized sedimen		· _	1	[
· =	Pyrite.	234-236	24"	T.	nil
nc	Yeinlets in tourmalized sediments.		18"	1	nil
75		2372-240	30"	1	nil
. 76	Sediments.		1	1	
. 77	Ditto.	240-242		1	nil
78	Ditto.	2422-245	30"	1 .	nil
. 79	Ditto.	245-247計	30"	1	nil
. 80	Dyke.	247 1 -250	2011	ļ ,	nil
	1 47 5 11 4	レオノローたしび		1	

DIAMOND DRILL REPORT. HASAGA

Hole No. D.D. E-14

unle		1	i	ABS	ā:
No.	Description	Footage	Width	Oz.IV	::l':8
0700	. The land	0483 050	70.11		
0380	Dyke.	2474-250	30"		nil
01 1	7	250-275	20.9	į	
81	Slaty sediments.	275-2775	30"		nil
82	Ditto.	2771-280	30"		nil
83	Ditto.	280-282	30 "		nil
84	Ditto.	2822-285	30"		nil
85	Ditto.	285-2872	30"		nil
86	Ditto.	2872-290	30"		nil
87	Ditto.	290-292	30 11		nil
.88	Ditto.	2921-295	30"		nil
89	Ditto.	295-297실	30 T		nil
90	Ditto.	297½-30Q	30"	1	nil
	?	300-318		1	
. {	Ground.	3123-3153		1	
. 91	Mostly quartz and brown feldspar.	318 7-319	3 8 ^m		nil
i ļ	Lost.	319-323		[
92	Slaty sediments.	325-327	24"		nil
93	Ditto.	327-328		ļ <u> </u>	6.65
94	Green and silicious with massive			1	
,	pyrite.	3281-3301	24"	٠	nil
95	Ditto.	330 - 332			nil
96	Green and silicious.	3322-335	30#	r 1	nil
97	Ditto.	335-337		1 1	nil
98	Ditto.	3371-340	30"	1	nil
99	Ditto.	340-342		1	nil
30400	Ditto.	3422-345	. 30"	1 1	nil
01	Ditto.	345-347		1 .	nil
02	Ditto.		30"	1	
		3471-350		1	nil
03	Dit to.	350-352			nil
04	Ditto.	3522-355	30"]]	nil
05	Ditto.	355-357		1	nil
06	Ditto.	357½-360	30"	1 1	nil
07	Slaty; Pyrite.	360-362	30."	1 (nil
08	Ditto.	3623-365	30 ⁿ	1 1	nil
۱	and the second		ŀ		
-6	Casing.			1 1.	
-4 5	Sediments; fine grey slate with man	a oni - s	rey cher	ich paric	is, ale
	some fine, uniform brown sediments.	lzome stre	aky pyri	ite and	pyrrno
	· ite. following the bedding or shear	cłu R•		[
	12½-14 Ground.	1	1		٠,
	24 ¹ 4-25 ¹ 2 Dyke.	\ •	<u> </u>		•
	2816-2919 Exmunt. Dyke.	<u>.</u>	1.	}	,
	3616-38 Dyke.		{ , ,		
-77	Sediments; slate and fine greywack	000 apic	nal cher	ty band	ls. Sti
	of pyrite.	,	1 .	1	
	66'3-68'6 Coarse grained. diorite.		ļ.	1	
•	_		ľ	1 . [
	71-74 Diorite; medium grained.	}	{ .	1 1	^ .
:	,	1	I	i i	•

DIAMOND DRILL REPORT.

Hole No. D.D. E-14

S. mple	Description	Westers	704.344	Assay Oz. Walve
NO.	Description	Footage	MTGEN	UZ, Val. 8
	•			
77-79 79-138	Ground. Sediments. Generally grey an	a fairly siltaio	is: bandi	ng in many
13-130	loog foint lang seations	ara now material	sum curc	rite-sericite
İ	Pyrite streaks everywhere. I	rregular quartz	deining a	round 82; and
, <u> </u>	921.	į	i	
j	82'5-83'5 Dyke. 100-110 60% dike with.104-1	05 ground	}	
	110-113 Cherty banding.	oo ground	}	
	121-223 Ground.		1	
138-170	Sediments; slates, slaty - o	luartzite and gre	jwaoke.	
!	1573-1583 Dyke.		}	1
100 200	165%1 6" dyke. Sediments grey slates, unifo	orm and Pine. Chl	drite sc	ists. Fine
110-2203	banding. Minor dragfording.]	
	175_176 Ground.			
	215-217 Black gritty quar	tzite. Fractured	With man	veinters.
1	2172-220 Silicified Irregula 225-226'2 Granitic dyke.	}	1	1 ;
	226'2-237 Heavily tourmal:	ized: many quartz	veinle	ts; also vein
	up to 6" at 227 and 235. Al.	l with fair pyrit	\$ •	
	2471-250'8 Dioritio dyke.		Į	
	258 - 259 ground.			
	259&-261 Dyke. 312&-315} Ground.			
į	and off overte and brown fa	ldspar. running v	with core	
328 à -360	Sediments - tuffs? Medium t	o coarse grained	green an	it five feet
1	bands with dark silicious b has massive streaks of pyri	te un to 2" in w	iath.	1110 1000
360-365	Sediments. Slaty. Streaks of	f pyrite and pyr	ruotite.	
000-000	1 • • • •			
	End of hole 3651			
	•	}	1	
	•		·	
	į		1	1
			1	·
1			1	
-	•			
	•	1	, , .	1 (
-			•	

HASAGA GOLD MINES LTD.

BIAMOND DRILL REPORT

BEN LAKE

Hole No. DD E- 15

Confidence to the result of the control of the second of the second of the second of the second of the second

N4670

Direction Date

Location E 6970

Dip: at collar-55; at 390'-

Sample				аявау
686.	Description	Footage	Width	Oz. Value
\$0.5 09	Brown siliceous bands	6'-8'	24"	nil
. 10	đo	8'-IO'	24"	nil
II	đo	10'-15 ¹ / ₂ '	30 "	nil
12	đo	12%'-15'	30"	nil
13	đo	15 ⁷ ~17½¹	3 0 "	ni.1
14	đo	I7a'-20'	3 0"	nil
15	Фо	201-22 1 1	30"	nil
16	đo	201-221 221-251	30"	nil
17	đo	25 -271	30"	nil
18	å o	273'-30'	30"	nil
Ĭ9	đo	30 -32 }	30"	nil
Žΰ	do	3211 - 35'	30"	nil
21	đo	35"-37½'	30"	nil
55	đo	378440	30 O"	nil
23	Brown, fine and uniform	40'⊷42 <u>}</u> ¹	30" 30"	nil
24	do	428'-45'	30 <u>"</u>	nil
25	do	マンター・マン	30" 30"	nil
2 5	đo '	45 - 47 à ' 47 à ' - 50 '	30" 30"	nil
27	do	50 -52 g'	30"	nil
21		50 -52g	20 H	
28	d o	52 a'-55' 55 '-57 a'	30"	nl
29	ನೆಂ	22 42 (\$	30 ''	m1
30	do	57± -60	30 "	nil
31	do	60.7623	30" 10"	n1.
32	00	023,-02,	٥٥" 20"	1111
35	do	05 -078	30"	nil
34	Rhyolite	67 4' - 70'	<u>30"</u>	nil
355	đo	70 -723	30"	nil
36	do	721 - 75	30 <u>"</u>	n i l
37	đe	75 ' ~ 77 £ '	3 0 "	nil
38	do	75°77±' 77±'-80'	30"	nil
339	@ 0	80,-857,	30 <u>"</u>	nil
40	đo	32 1 - 85 1	30!!	nil
41	do	85 "-873"	3 0"	nil
42	đo	8731*901	30"	nil
43	do	90 '- 92½'	30"	n11
44	до	92 ₺' 95 '	30"	nil
45	đo	951-971	30 "	nil
46	do	97a'-100'	30"	n11
47	Mixedorhyolite breccia and brown siliceous sediment.	100, -1055,	30"	nil
48	do	IO2⅓'⊷Io5'	30"	nil
49	àc	105~107참'	30"	•09 3•15
		107a'-110'	, 30" 30"	nil
50	do	110,-1157,	30" 30"	•0I 0.35
51	do	1124'~115'	30"	
52	do	1125°=1172°	30"	
53	do			•01 0•35
54	Brown dediments fine and unif	orm 11/2 -150,	30 "	nil
55	do	150,-1557,	30"	nil

HABAGA GOLD MINES LTD

DIAMONL DRILL REPORT

BEN LAIR

Hole No. DD E- 15

nore wo	* אין אין אין אין אין אין אין אין אין אין			
	N 4670		54	
		ction	Date	•
	" E 6970	55. 50al		
	Dip: at collar			
Sample	Description F	ootage '	Width	HRBBA
No.				Oz. Value
30455	Brown sediments fine and unifo			nil
56	đo	1224'-125'	30 "	nil
57	Brecdbated rhyolite and brown	205 - 208	36"	•0I 0.35
	silicified; Pyrite			
58	do	208'-211'	36"	•0I 0•35
59	Brecciated rhyolite	211'-213'	24"	nil
60	đo	213-215	24"	.03 I.05
61	đo	215'-2173'	30"	•07 2•45
62	đo ·	2171-220	30"	.02 0.70
63	d o	550-5557	30"	•02 0.70
64	đo	2221-225	30"	•05 I•75
65	go .	225 -227 28	ا' وَرَ	.02 0.70
6 5	do	2271-230	30"	•03 11•05
67	do	230'-2323'	30"	
68		2321-235	30"	
60	do		30"	•0I 0•35
69	SEdiments mixed	235'-2371	JO 1	·OI 0·35
70	do	2371 -240	30 "	•0I 0•35
7 <u>I</u>	Green and brown sediments	275 -277 2	30"	nil
72	đo	2771 -280	30"	nil
73	do	280 -2824	30"	nil
74	do mostly green	282 1 '-285'	30"	nil
7 5	do	285 -28738	30 ⁽¹	nil
76	d o	2871-290	30 "	nil
77	đo	290'-292 \	30"	nil
78	Amphibolic with Garnet	2921-2951	30 "	nil
79	do	295 -2971	30 H	•OI 0•3 5
ć šó	đo	2971-300	30"	•02 0•70
81	Coarse amphibole	302'- 304'	2411	nil
82	Fine green and brown; pyrrhotit	a 3041	24"	nil
83	go do	3061-3081	2411	•01 0•35
84	do less pyrrhotite	308'-310'	24#	nil
85	do blue qtz. up to 6"	310-312½'	3 0"	nil
86	Green and brown medium grain	3128 - 315'	30 "	nil
87	go	315 - 318	3̃6"	nil
88	Green and brown med. grain	325'327'	30"	•01 0.35
		330'332'	30"	nil
89	do do coarser	335~337 å'	30"	nil
90		340'-342'	30"	nil
91	do	345'=347 } '	30"	nil
92	do	347a +350'	30"	
93	do		36"	nil
94	đo	350'353'	36H	nil
95	do	353'-356'	36" 30"	nil
96	do	356→358½¹	30 "	nil
97	Sericite chlorite; Pyrrhotite	3581-360	18"	•OI 0•35
98	do no mineralization	360'-362a'	30" 30"	nil
99	do	3621 - 3651	30"	nil
30 500	do dark bands	365 - 367	30"	nil
II	do	367 ≟¹− 370	30"	.02 0.70
15	đo	370'-372'	24"	nil
13	do dark well min.Pyrrh. Py	• 372'-374'5"	29"	n i l
	•			•

DIAMOND DRILL REPORT

BEN LAKE

Hole No. DD E- 15

N 4670

Location

Direction

Date

E 6970

Dip; at collar -55; at390'-

Sample No.	Description	Footage	Width	Assay Oz. value
30514	Slaty cherty	384'-387'	36"	nil
15 16	do	387'-390'	36"	nil
· 17	do do	390 '- 393 ' 393 '- 396'	36" 36"	nil nil
18	đo	396'-399'	36"	nil 🙊 🦠

0-61 Casing brown irregular siliceous green bands medium grained Tuff?

> 24±1-25±1 Dyke

40∽67<u>₹</u>* Bediments brown fineand uniform

673'-IOI' Rhyolite breccia quartz stringer and uniform

101'-116' Mixture of breccia and brown silicified sediment pyrite mineralization

116'-170 Sediments brown and uniform

170'-182' Sediment tuff? brown and green

182'-214' Sediments brown fine and uniform

> I9I'**-**I93' Dike

2031-2041 2051-211 Mixture of rhyolite material and brown

silicified sediments fair mineralization Pyrite. 2111-235' 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 .16

304'-318' Sediment-Tuff? green amphibole with brown; fine grain to medium. Afew veinlets well mineralized: Pyrrhotite. 312'-315 Blue quartz. irregular veining

318'-321'8" Diorite dykerwith inclusions.

321'8"-3581' Sediment-Tuff? medium grain green amphibole and brown biotite somewhat coarse in grain after 332' with narrow blue quarts or cherty veinlets

343à'⊶344à' Dike

あ84'-374'5" Siliceous zone? mostly sericite chlorite schist with a few dark bands fair pyrrhotite some pyrite coarse arsenopyrite from 366'-368'

37415"-3841 Diorite dike

3941-3901 Sediments slaty and cherty

390°-399* Sediments brown fine and uniform

3921'-393'9" Dike

End of hole 3991

DIAMOND DRILL REPORT HASAGA

Koval-Ohman Option.

Logged by; R, D, M.

Hole No. D.D. E^{-25} ...

4269.6N

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

Dip: 0'	-30°				
Sample	Description	Footage	Width	Ass	
No.	Description	rootage	WIGCH	Qz.	Value
32556	Sediment light.	5-7	24"		nil
57	Ditto.	9'6-11'3	21"		nil
57 58		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"	1	4.20
64	Ditto.	32-34	24"	į	4.55
65	Ditto.	34-36	24"		1.05
66	Ditto.	36-38	24"		nil
67	Ditto.	38-39'6	18"	1	nil
68	Silicious zone	39'6-40'1			nil
69	Sediment.	41'3-42'1			nil
70	byke.	2'11-43'9			nil
71	Sediment.	43'9-45	15"	ļ	nil
0-5 5-11'3 11'3-27 27-45	Casing. Sediment light grey fine grained silic (very small) throughout. 7-9'6 Ground. 11'3-11'6 Ground. Sediment dark and light banded with a some amphibole in places (minor) also 13-20 Ground. Sediment light silicious fine grained pyrite in places cherty bands up to 139'6-40'10 silicious zone with minera 42'11-43'9 Dyke medium grained quartz 29-32 Ground. 40'10-41'3 Ground. END OF HOLE 45' DUPLICATE POOR QUALITY Contracts	undant que some disse with abur wide. ized with diorite.	artz inc eminated dant dis	lusion pyrit	s e? ted
	TO FOLLO	W			
	!	1		•	•

DIAMOND DRILL REPORT. Koval-Ohmun Option.

Hole No. D.D. E-25

Logged by R.D.M.

4269.6N

Location 5743.6E. Direction N22V... Date July 31/54 Elevation 5004.6 Place Surface.

Sample			l	ABS	ау
No.	Description	Footage	Width		1.11.0
325 56	Sediment light.	5-7	24"		nil
57	Ditto.	9'6-11'3	214	į.	nil
58	Sediment light and dark banded.	11'6-13	18"	į	nil
59	Ditto.	20-22	24"	į	nil
60	Ditto.	22-24	24"		nil
61	Sediment	24-26	24"	1	nil
62	Ditto.	26-27	12"	1	3.10
63	Light silicious.	27-29	24"	1	4.2
64	Ditto.	32-34	24"	İ	4.5
65	Ditto.	34-36	24"	į	1.0
66	Ditto.	36-38	24"	}	nil
67	Ditto.	38-39'6	18*	•	nil
68	Silicious zone.	39'6-40'10		1	nil
69	Sediment.	11 3-42 11			nil
7 ó	Dyko.	42'11-43'9		-	nil
n	Sediment.	43 9-45	15"	į	nil
0-5	•nntaao				
5-11'3	Sodiment light grey fine grained	silicious wi	th sulph	100 str	inger
1	(very small) throughout.	j		1	_
1	7-9'6 Ground.		·		
	11'3-11'6 Ground.				
3-27	Sediment dark and light banded w				
- 1	some amphibole in places (minor)	albo some di	sseminat	ed pyri	to?
	13-20 Ground.	1			
7-45	Sediment light silicious fine gr	ained with al	undant d	1asemin	uted
	pyrite in places cherty bands up	- to(글" ₩100+	<u> </u>	1	
{	39'6-40'10 Silicious zone well m	inchalized w	th pyrit	e and s	heure
1	42'11-43'9 Dyke medium grained q	uartz diorit	•		
Ì	29-32 Ground.			ļ	
į	40'10-41'3 Ground.		į.		
	• ,		Ĭ	l (
	End of hole 45'.		i		
1	•	}			
i		Ì			
}		1	ŀ		
1	•	1	•		
ļ			1	↓	
1					
, [•		Ţ		
	•		I	1	

DIAMOND DRILL REPORT

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 Assay Width Footage Description No. Qz. Value 30" 5-7'6 nil 32357 Sediment. 7'5-8'3 10" nil 58 Dvke. 8'3-8'9 6" nil 59 Sediment. 24" nil 11-13 60 Sediment. 1.05 24" 13~15 Sediment. 61 15-17 24" 0.70 Sediment. 62 24" nil 17-19 63 Sediment. 12" nil 19-20 64 Sediment. 15" 21-22'3 5.60 65 Sediment. 12" 8.40 23-24 66 Qaurtz vein. 18" 3.15 25'6-27 83 Sediment. 27-29 4.55 24" 84 Sediment. 24" 2.45 29-31 85 Ditto. 24" 31-33 0.70 86 Ditto. 33-34'6 18" nil 87 Ditto. 24" 3.50 35-37 88 Ditto. 37-38'8 20" nil 89 Ditto. 10" 3818-3916 nil 90 Silicious sediment. 6" 0.70 40-40'6 Silicious sediment. 91 24" 0.70 41-43 92 | Sediment lighter green 43-43'8 1.75 8" Silicious sediment. 16" 10.8 43'8-45 94 Sediment grey and dark. 45-46 12" 4.90 95 Ditto. 46-48 24" 0.35 Sediment. dark and green 96 48-49'10 22" 1.05 97 Ditto. 20" 0.35 50'4-52 98 Amphibole garnetiferous. 49'10-50'4 6" nil 99 Dyke. 24" 0.35 Amphibole garnetiferous. 52-54 32400 6" 0.70 54-54'6 Amphibole garnetiferous. 32531 24" 56-58 nil Amphibole. 32 58-60 24" nil 33 Ditto. 24" nil 60-62 34 Ditto. 24" 62-63'6 r. i 1 35 Ditto. 0 - 5Casing. Sediment. Medium grained light grey with abundant quarte inclusions 5-38'8 some mineralization along shear planes also some evidence of crossbedding. 7'5-8'3 Dyke quartz diorite with abundant disseminated mineralization (pyrite and pyrrhotite) fine grained. 8'9-11 Ground. 20'-21' Ground. DUPLICATE COP' 22'3-23' Ground. 23'-24' Quartz vein. POOR QUALITY ORIGINA 24'-25'6 Ground. TO FOLLOW Sediment light silicious fine grained. 38'8-40'6 39'6-40' ground. 40'6-41 Ground Sediment light grey fine grained with abundant mineralization finely 40'6-43

DIAMOND DRILL REPORT.

HASAGA Koval-Chman Option.

Hole No. D.D. E-26

4239.4N

Logged by R. B. M.

Location 5605 LE Direction N23W ... Date July 28/54 Elevation 5001.8 Place Surface

Dip: 0' Sample	-30°		<u> </u>	Ass	ay
_No.	Description	Footage	Width		
32357	- Sediment.	5-7'6	30"		nil
58	Dyke.	7'5-8'3	10"	Į.	nil
59	Sediment.	8'3-8'9	6"	į	nil
60	Sediment.	11-13	24"]	nil
61	Sediment.	13-15	24"		1.05
62	Sediment.	15-17	24"	Į	0.70
63 64 65 66	Sediment.	: 17-19	24"	1	nil
64	Sediment.	19-20	12"	' i	nil
65	Eodiment.	21-22'3	15"	1	5.60
66	Quartz vein.	23-24	12"		8.40
83	Sediment.	25'6-27	18"	1	3.1 5
84	Eediment.	27-29	24"	1	4•55
85	Ditto.	29-31	24"	1	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"	1	nil
· 90	Silicious sediment.	88 8-39 6	10"		nil
91	Silicious sediment.	40-4016	: 6*		0.70
92	Schiment 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 96	Ditto.	45-46	12"	1 1	4/90
96	Sediment. dark and green.	46-48	24"	1	0.35
97	Ditto.	48-49'1d	22#	1 1	1.05
98	Amphibole garnetiferous.	50'4-52	50"		0.35
99	Dyke.	40110-5014	6".		nil
32400	Amphibole garnetiferous.	52-54	24"	1	0.35
32531	Amphibole garnetiferous.	54-5416	6"		0.70
32.	Amphibole.	· 56 - 58	24"	1	nil
. 33	Ditto	58-60	24"	l i	nil
. 33 34 35	Ditto.	60-62	24"	1	nil
35	Ditto.	62-63'6	24"		nil
			}	1	
0-5	Cacing.			1	
5-38'8	Sediment. Medium grained light gr	evisith abur	dunt cur	rtz ir	clusions
	some mineralization along shearpl	anes also so	ne evide	nce of	gross-
	bedding.		}		
	7'5-8'3 Dyke quartz diorite with	abundant die	seminate	i mine	rulizat-
	ion (pyrite and pyrrhotite) fine	grained.	}		
,	8 9-11 Ground.	0-1			
	20'-21' Ground.	•	1	1	
	22'3-23' Ground.	•	}	1	
	23'-24' (uartz vein-		} .	}	1
*	23'-25'6 Ground.	,	1	.	,
8'8-40'6	Sediment light silicious fine gra	ainda.			1
J. 0 = 	39'6-40' Ground.		ì		1
•	40'6-41 Ground.		1	1	^ _
016-43	Sediment light gray fine grained	with abundar	t miners	112211	hn finel
, - -,	I many mania webite built by the Comprisor	The Area markets			

DIAMOND DRILL REPORT

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

Place...... Direction Date

Sample		_		Assay	
No.	Description	Footage	Width	Qz.	Value
	disseminated (pyrite).				
43-43'8 43'8-46	Sediment light silicious fine grained Sediment grey and dark medium grained	banded w			
	shearing and abundant mineralization quartz coming in.		1		
46-49'10	Sediment dark and green medium grains amphibolitic bands don't contain the pyrite showing good striated cubes &	garnets.	In plac	es mas	
49'10-50'4	Dyke medium grained quartz diorite w	th abunda	ht pyrit	e and	pyrrhot:
50'4-58'	Amphibolite coarse grained green wit pyrrhotite very fine grained. 54'6-56 Ground.	h garnets	some pyr	ite an	a
58-65	Sediment dark with cherty bands also	some mass	ive 1" c	hlorit	e bands
	End of hole 65'.	-		Ţ	1

POOR QUALITY ORIGINAL TO FOLLOW

DIAMOND DRILL REPORT.

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

		*		
Place	Location	discourse. Direct	ion Date	

Sample No.	Description	Footage	Wiath		say Value
ì	disceminated (pyrite).	1			
43-4318	Sediment light silicious gine gra	ined.			
43'8-46	Sediment grey and dark medium gra		with mud	h evi	dence of
	shearing and abundant mineralizat				
į.	quartz coming in.		•		
46-49'10	Sediment dark and green medium gra	ained with	bundant	garne	ts. Green
	amphibolitic bands don't contain	the garnots	In plac	68 M&	psive
	pyrite showing good striated andx	serva oubes	some p	rhode	prondal.
9'10-50'4	Dyke medium grained quartz diorit	• with abund	ant pyr	te an	d purrhotie
50'4-58'	Amphibolite coarse grained green	with garnet:	s some py	rite	and
	pyrrhotite very fine grained.	•	1		}
	54'6-56 Ground.				!
58-65	Sediment dark with charty bunds a	leo some me	asive l"	chlor	ite bands.
	End of hole 65'.	ľ			
1					
		1	(}	i

DIAMOND DRILL REPORT.

Hasaga

Koval-Ohman Option

Hole No. D.D.E-33....

4610.2 N

Logged by R.D.M.

Location .7141.6 E. Direction .NAA.T... Date Aug.25/54 Place .. Surface.

	0' -65 200' -40 400' -50	640' -42			
Sample				<u>A:</u>	ssay
No.	Description	Footage	Width	Qz,	Value
• .		(5 (7	24"		
31963	Slaty silicious dediment.	65-67	24"		nil nil
64	Ditto	67-69	24"		nil
65	Ditto	69-71	24"		nil
66	Ditto	71-73 73-759	24"		nil
67 68	Ditto	75-77	24"		nil
68	Ditto	100-102	24"		nii
69	Tuff massive quartz veins. Silicious sheared.	109'6-111	18"		0.70
70	Garnet.	114-116	24"		nil
71	Quartz vein.	117-118'1	13"		nil
72	Sediment.	121-123	24"		nil
73 74	Ditto	123-125	24"		nil
75	Garnet.	130-131			nil
76	Sediment.	195-197	24"		1111
77	Ditto	197-199	24"	1	nil
78	Ditto	199-200	12"		nil
32029	Slight silicious and brecciation.	259 6-262	30 [#]		1.75
31979	Silicious sediment.	252-264	24"		11.20
80	Ditto	264-265	12"		5.60
32030	Dark breccia sediment.	265-267	24"	ĺ	1.05
31	Blue quartz veining.	290-292	24"	}	2.45
32	Ditto	292-294	24"	ţ	3.15
33	Ditto	294-296	24"	1	0.70
34	Ditto	296-298	24"		4.90
31981	sediment with blue quartz veining.	298-300	24#	,	3.85
320 35	Sediment rhyolite.	300-3025	30H	1	14.70
<u> 36</u>	Ditto	3023-305	30" - 30"		2.80
37	Ditto	305-3071	30" 30"	ł	2.10
38 39	Ditto	3073-310	30 "		3.50
39	Ditto	3123-3125	30"	l	6.65
40	Ditto	315-317	30"		2.10
41	Ditto	3173-320	30"		0.70
42	Ditto	320-322	24"		2.45
43	Ditto Silicious rhyolite.	322-324	24"	1	7.00
31982	Silicious rhyolite.	324-326	24"		6.65
320 44 45	Ditto	326-328	24"	1	3.50
46	Ditto	328-330	24"	1	0.35
47	Ditto	330-332	24"	1	3.50
48	Ditto	332-334	24"	1	7.35
49	Ditto	334-3361	B 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"	1	nil
32025	Dark grey silicious sediment.	445-447	24"]	nil
26	Bilicious zone of brecciation.	447-448	12"	1 .	33.60
31986	Breccia.	448-450	24"		6.30
87	Ditto	450-452	24 [*]	1	11.90
-,			l .	1	

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option.

Hole No. D.D. E-33 Page 2.

Logged by R.D.M.

Place Date Avg. 25/54

Sample	.	{			Say
No.	Description	Footage	Width	92.	Value
					,
31988	Ditto	452-453	12"	2.5	2.10
32027	Brecciated zone and quartz stringers.				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Rhyolite?	453-455	24"	; •	0.70
28	Brecciated rhyolite?	455-457	24 ^H		nii
31989	Sediment breciated.	522-524	24"		nil
90	Silicious zone.	593-595	24"		1.4
91	Ditto	595-597	24*		0.7
92	Ditto ·	597-5991	5 30"		, nil
93	Silicious.	601-603	24"		1.0
94	Ditto	603-605	24"	•	inil 'nil
95	Ditto	605-607	24"		2.4
96	Ditto	607-609	24"		0.3
97	Ditto	609-611	24"		2.8
98		12 6-614	18"		nil
99	Ditto	614-616	24"		nil
320 00	Ditto	616-618	24"		nil
06	Ditto	618-620	24"		nil
07	Ditto	620-622	24"		4.2
22	Dark grey sediment.	622-624	24"		0.3
23	Ditto	624-626	24"		nil
24	Ditto	626-628	24"		ni
		1	1	ţ	ł
) - 1 0	Casing.		1	l .	1, ,
) - 12	Coarse grained green amphibolitic mu	du exidenc	or she	ring	- Duc
	allen a minor scale. Shearplanes fo	dm cusuuer	Maya 10	L. AGT.	Y
	Tuff fine grained green banded with	d few quar	tz veini	ets.	Some .
2 - 59	i	מממבומי	b.l		
	43.4-50 Well sheared with blue quart	d stringer	up to 1	Nad	e also
	WAA AMAINAA GMYNIDAIA WIZA (יט אטמונו	AT TITO CT CC	74	
9 - 65	Tuff fine grained green as before wi	th massive	e wineral	izati	.dn
9 - 05	\		I .	į.	
5 - 77	l as a second the application with mi	ich eviden	de of she	arine	.
יז – כי	Carbonate stringers and thin massive	sheets of	d pyrrhot	lto.	dake
•	Alia mamama140n+400.			1	
77 - 11%	Tuff fine grained green banded with	emall num	erous bar	ds of	barr-
7 - 113	hotite.		1	}	1
	on or pane grained brown silicious.	,	1	}	.
	i wa saala ahamba waining bacaming Vel	ry pronoun	ded.	ł	1
•	109 6-111 Light and brown banded si	licious ab	undent si	derir	18ું•્
* 203	I dames to demond a hundant red darners ut	01 T 07	4	1	
3 - 121	117-118'1 Cuartz vein with abundent	rarnets a	rd some	dounti	rook ko
	Amailuat ana	1 7	1	}	1
	I assessed middle amen and dark handi	ed fine ar	dined. wi	th que	ar tz
21 - 140	I A A Alexandrana WAII MINANNII	zen nvrite	INIIC DAT		V Q 1
	also some mica (muscovite and bioti	te) associ	dted wit	d Quar	rtz
• :	veins of small dimensions.	-[, ======	}	} _	
	Aelus of Buntt dimensions.	1	1	1	^
			1	1	1
	•			-	

DIAMOND DRILL REPORT

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

.Place	Location	Direction	Date
	200000000000000000000000000000000000000		Pu cc

Sample			1	Assa	V
No.	Description	Footage	Width		Value
140-165	130-131'3 Massive concentration of 136-140 Green banding becoming very Sediment grey and light banded with Bedding evident because of ebilticapresent. Some blue quartz bands (radisseminated biotite and some massi	y dbscure. n quartz vei al quartz gr maximum ½")	nlet throains that	large ughout are akes	f
165-195	with come ½" flakes. Minor evidence Sediment tuff green and dark banded mineralized with pyrrhotite and pyr	of shearing I fine grain rite.	· .	Ĭ l	
195-200	185-190 Garnets small concentrated Silicious zone fine grained light I fine disseminated pyrite and pyrrhegive darker appearance in places.	parded grey	appearan blue qua:	e with	ns
200-206	Sediment tuff Green and dark banded garnet in places small and red. Py:	d fine grain	ed with	lissemi n fine	nated
206-300	tabular masses and some blue quarts Sediment. Grey and dark banded fine crossbedding. Quartz stringers through bands contain very small flake 262-265 Silicious zone fine fraince	z veins. e grained br ought a litt es of biotit d light brec	ecciated le chlor	with g	ood
300-336'8 6'8-391'10	some blue quartz stringers and abu (muscovite) associated with them.	pronounced with altered with dine to me ndent quartz	te) I some ca dium gra veinlet of shea	bonate ined wi and r	th
413-426	irregular intervals very minor. Go Sediment brown fine grained with m Numerous quartz inclusions around	inute quartz which the be	stringe	s thre	
426-428	some mineralization. (pyrrhotite). Coarse grained green amphibolitic ore sheer zone of about 3" (pyrrho	with abundar tite and ars	senopyrit	e)]	
428-435 435-447'6	Tuff fine grained green and dark b Sediment dark fine grained. Slaty stringers. and some shearing with	silicious wa massive cond	ith some centratio	blue q	ıartz
47'6-463 463-470 470-560	along shearplanes also some carbon Rhyolite? Brecciated with some pyr Brecciated rhyolite with green and Sediment Tuff. Green and dark fine 481-482 chlorite. 491-492 Dyke quartz diorite medium	ite and pyra dark sedime grained wit	rhotite. ent. Tuff th abunde	nt pyr	
	DUPLIC POOR QUA	ATE CO	PY		

DIAMOND DRILL REPORT. HASAGA KOVal-Ohman Option

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

		ple	To a conductation of the c	V	****	VBESA
		10.	Description	Footage	Mzach	Oz. Value
14	o -	165	130-131' Massive concentration of gamma 136-140 Green banding becoming very a Sediment grey and light banded with a Bedding evident because of epiptical present. Some blue quartz bands (maxidisseminated biotite and some massive	obscure. quartz vei quartz gr mumi") Sm contBosn	nlet thrains the	oughout. are
•	-	195	muscovite with some 1 flakes. Minor Sediment tuff green and dark banded mineralized with pyrrhotite and pyrical-135-190 Garnets Small concentrated.	evidence fine grai	of shear	ing.
19	5 -	500	Silicious zone fine grained light but fine disseminated pyrite and pyrrhot give darker appearance in places.			
20	0 -	206	Sediment tuff Green and dark banded garnet in places small and red. Pyrritabular masses and some blue quartz	lotite thr		
20	6 -	300	Sediment. Grey and dark banded fine crossbedding. Quartz stringers throu Zark bands contain very small flakes 236x332 262-265 Silicious zone fine 270-280 Pyrrhotite banding pronounce 290-300 Blue quartz becomingmore pro	rained by the a little of biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little on biotic frained little of biotic frained little on biotic frained little of biotic frained littl	tle chlor	te in places.
536'	8 -	392.1	also some small quartz veins with mi Silicious rhyolite brecciated and al O'Sediment light grey and dark banded some blue quartz stringers and abund (muscovite) associated with them. Fo irregular intervals very minor. Good	dered with fine to a cont quark one evidence evidence	h some ca medium gr z veinlet ce of she of x bed	kined with s and bica kring at ling.
91'1		-	Bediment. Green and dark banded fine blue quartz veinlets and pyrrhotite	nhects.		1 1
41	.5 -	426	Sediment brown fine grained with min Numerous quartz inclusions around w some mineralization. (pyrrhotite).			
1		428	Coarse grained green amphibolitic wi ore sheer zone of about 3" (pyrrhoti	te and ar	senopyrit	(+)
1		435 447' <i>(</i>	Tuff fine grained green emphibolities and dark banded no visible minerali	zation.	•	, ,
	,	•	Sediment dark fine grained. Slaty si stringers. and some shearing with ma lalong shearplanes also some carbonat	asive con	centratio	
45	3- 3 -	453 463 470 560	Highly silicious zone of brecciation Rhyolite? Brecciated with some pyrit Brecciated rhyolite with green and described Sediment Tuff. Green and dark fine grant 431-432 Chlorite. 491-492 Dyke quartz diorite medium grant gr	e and pyr lurk sedim grained wi	rhotite. ent. Tuff th sbunde	ht pyrrhotite.
	•	:				

DIAMOND DRILL REPORT

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

Place Location	Direction	Date

Sample No.	Description	Footage	Width	Assay Qz. Value
	508-514 Coarse grained with well deve	eloped amph	ibole als	
:	hotite bands up to #" wide.		1	1
	522-525'6 Zone of brecciation with m	assive pyrr	hotite an	d some
	pyrite. 549-553'7 Dyke medium grained quartz	diorite cu	t by quar	tz veln tha
	is denimatly	1		l i
560-591	Sediment dark and light banded with	pyrite as b	efore bu	t blue quart
F03 F001	becoming more prominent and green ba	nds very mi	nor.	, , , , , , , , , , , , , , , , , , ,
591-592.	6 Medium grained quartz diorite dyke. Rhyolite? light highly silicious bre	cdiated wit	h pyrite	and pyrrhot
£ 0 011	597'10-598'6 Massive concentration o	f mica. (mu	scovite)	
	599'6-601 Partially digested country	rock.		
1-612'5	603-605 Exceptionally well mineralize Dyke medium grained quartz diorite.	ed pyrinou	i.	1
2'5-622	Sediment dark grey fine grained gugh	ly siliciou	sheare	d with some
	l minor brecciation.	l l	Į.	
2-628	Sediment grey and dark fine grained shearing and a few blue quartz veinl	banded with	lifair am	ount of
8-651	Sediment green and dark banded with	abundent p	ytrhotite	elfine graine
0 031	with good x bedding blue quartz veir	lets commo	through	oput vefy
	little shearing.	,		
1-652	641-642 Medium grained quartz diorit Garnetiferous.	e dyke.		
1-632	Garnetherous.		i I	
	END OF HOLE 652			
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	POOR QUALITY ORIGINAL	1]	
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DIAMOND DRILL REPORT. H.S.G., Koval-Ohman Option

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

	Sample							Assay			
	No.	-	De	<u>scripti</u>	on		2	cotage	Wiath	Oz,	Value
	•	508	-514 C	oarsa g nda up	rained	mith well	gevel	oped sup	hibole a	180 80	dae pyr
	-	522	-525 5	Zone o	f brece	iatèon wit	th mas	saive pyr	rhotite	and so	200
		549	110. -553 ¹ 7	Dyke m	edium g	graimed qua	artz d	liorite r	ut by qu	artz	ein t
60	- 592	l Sedin	ent du	rk and	light l	oanded with	h pyri	te as be	fore but	blue	quart
91	- 5%	2 '	lium er	ained o	uertz (and green	ke.]		
16	- 617	597	/'10- 59	8'6 Mas	Bive C	silicious oncentratio	on of	mica. (s	uscovite	e and	byrrn
		599)'6-601 3-605 E	Partia Exceptio	illy dia	gested cour well minera	ntry 1 alized	rock. 1 pyrrhot	ite.		
11	- 613 - 623	2°5 Dvl	ce medi	um grai	ned qui	artz diorii grained h	te.		1	wit	h some
_	- 62	man	ine bre	eciati	Y) a	fine grain	1			1	1
		l sh	aring	und a 1	law blu	e quartz v banded wi	einle	ts in la	Ht root (or so.	Į.
920	- 65	W1	th good	l x bed	ling bl	ue quartz	veini	ets comm	n throug	nout	very
									į.		1
		64	1-642 1	nearing. Medium (grain e d	quartz di	- 1				
651	. - 65	64	tile en 1-642 h rnet1fe	/edium_	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	/edium_	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
551	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
551	- 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
551	- 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				
651	. - 65	2 Ga	1-642 h rnet1fe	Medium (erous.	grained	quartz di	- 1				

PICKLE CROW GOLD MINES LTD CUPLICATE COF POOR QUALITY ORIGIN

DIAMOND DRILL REPORT

Hasaqa Koval-Ohman Option

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

4556.6N

Logged by. J.C.S.

Place . Surface ... Location . 7051.5E Direction N. 30 W Date .. Sept.6/54

0 ' -	4997.6 65 200'-55 400'-45	650 '	-38		
Sample				Assay	
No.	Description	Footage	Width	Qz.	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" 24"		nil nil
17	Fracture zone with white quartz veins	233-235	1		nil
32209	Altered grey quartz diorite.	243'9-244		1	nil
10	Contorted sediment. Silicified	244'7-246	3 20"		l ull
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?) Ouartz veining.	250-252	24"		1.40
19	Ditto with more quartz. Fair pyrrhoti	de	2411		nil
	and arsenopyrite	252-254	24"		nil
20	Ditto	254-255	12"		l uii
21	50% rock fragments with good arsenopyrite mineralization.	255-256}	18"		nil
22	80% white quartz. Good arsenopyrite (coarse)	256}-258	24"		nil
23	70% white quartz. Good coarse arsenopyrite.	2583-260			nil
24	White quartz. Little arsenopyrite.	260}-262	18"	1	nil
25	White quartz with rock fragments.				, ,
	Fair arsenopyrite.	262-2641			nil
26	Fractured rhyolite	264'9-26	7 27"		nil
27	Ditto with 4" quartz vein and arseno-	• [1		
-	pyrite.	267-269	30"		0.70
28	Good arsenopyrite in silicified			· I	
	rhyolite.	269}-271		1	nil
29	Fractured rhyolite	2713-274			6.65
30	Ditto	274-276		1	1.40
31	Ditto more quartz veining	276}-279	30"		3.50
32	Considerable quartz. fair to good				1
32	mineralization.	279-281	30"		1.75
33	Fractured rhyolite with quartz	1			
23	stringers	2811-284	30"		0.70
2.4	As 32232	284-285	12"	1	nil
34	Fractured rhyolite	285-287}	30"	-	nil
35		2871-290			nil
36	Ditto	290-292	1		nil
37	Ditto with quartz vein	292 } - 295	1		2.10
38 39	Rhyolite fine mineralization Silicified rhyolite	295-297			1.40

DIAMOND DRILL REPORT.

Koval-Ohman Option.

Hole No. D.D.

4556.6 N

Logged by J.C.S.

.7051.5 F. Direction N 30 W. Date Sept. 4/54 Place ... Surface Location 6501 -38 4001 -45

01	-65 200' -55 400' -45	650'	- 38		
Sample !			1		say
No.	Description	Footage	Width	Qz.	Value
			,	}	
32213	Rhyplite? Fine grained. Silicious			į	
	Little pyrite. Fructured.	100-102	24"		nil
14	Rhyclite? Shows faint banding or				
	belding. Little pyrrhotite.	105-107	24"		nil.
15	Dark and green banded. Good pyrrhotit	90			
	mineralization.	113-114	" 21"	,	nil
16	Dark silicified - faint banding. Good	1			1
		14'5-117	27"		nil
17	Fracture zonewith white quartz veins	233-235	24"		nil
32209		43 9-244 7	104	1	nil
10	Q • • • • • • • • • • • • • • • • • • •	4417-2461	20"	,	nil
11	Fractured silicified grey sodiment.				
ļ	Intruded by grey rhyolite. Byr:hotite	B	4		1
		246 3-248	21 H		2.10
12	Tractured addiment with considerable	1 -40	~ tal		
_	white quartz.	243-250	244		nil
18	Freetured milicified mediment	050 050	0.44		1
	(rhyolite?) Quartz veining.	250-252	24"	l	1.40
19	Ditto with more quartz. Fair pyrrhot	3715	0.1.11		1
	and argenopyrite	252-254	24"	1	nil
50	Ditto	254-255	12,	{	nil
21	50% rock fragments with good	ore oreal	184		
- 1	pre-monyrite mineralization.	255-256}	10	j	nil
55	80% white quartz. Good arsenopyrite	has neg 3	24"	1	
a- 1	(coarse)	1:561-2581	24	1	n11
23	70% white quartz. Good coarse arseno	258 1 -2601	24"	1	nil
	yrite.	520 1-563	18"	1	nil
24	Thite quartz. Little areenopyrite.	2001-204	10	1	*****
25	Thite quartz with rock fragments.	262-264	33'	1	nil
06	Tair areappyrite.	264'9-267	27"	į.	nil
26			21	1	""
27	Ditto with 4" quartz vein and arseno	267-269	30"		0.70
28	pyrite.	E01-5038	٠,٠		0.40
20	Good organopyrite in silicified	D605-271 +	241	}	nil
20	rhyolite. Tractured rhyolite.	2698-2718	30"]	6.65
	• • • • • • • • • • • • • • • • • • •	274-270	30"		1.40
. 30 1	"Ditto Ditto more quartz veining	2764-279	30"	-	3.50
31 70	Considerable quartz. fair to good	L 108-213	<i></i>	1	1 2000
. 32	mineralization.	279-2813	30"	1	1.75
* **	Fractured rhyolite with quartz	219-2019	در. ا	1	1 /2-12
33	etringers.	2813-284	30"		0.70
34	As 72232	234-285	12"	Ì	nil
	NB 13272 Frectured rhyolite	285-2371		1	nil
35 36		2071-290	30"		nil
36	Ditto	290-292	30"		nil
37	Ditto with quartz vain	2923-295	30"	i .	2.10
: 38	Phyolite fine mineralization	295-297		,	1.40
39 40	Bilicified rhyolite	E37-63 18	1	-	
40		1	1	}	1
		•	1	1	·

PICKLE CROW GOLD MINES LTDDUPLICATE COP'

DIAMOND DRILL REPORT Hasaga Koval-Ohman Option

POOR QUALITY ORIGINATO FOLLOW

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

Logged by

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

Sample				Ass	ay
No.	Description	Footage	Width	Qz.	Value
32240	Ditto	297}-300	30"		1.05
41		300-302	30"		0.70
42	Ditto	3021-305	30"		nil
43	Ditto	305-307	30"		nil
44	Ditto greyer	3071-310	30"		nil
45	Grey rhyolite with fine to corase	30, 3 310		ŀ	
43	arsenopyrite.	310-312	24"		nil
46	Grey rhyolite with 1" white quartz	312-314	30"		nil
47	Grey rhyolite with narrow blue quartz	312 31.1	30		1
47	stringers.	3141-317	30"	Ì	0.70
48	Grey rhyolite with blue quartz	3143 317	~~	ļ	1
40	stringers and 1" white quartz vein.			1	
	Stringers and ; white quartz vein.	317-319	24"	İ	nil
4.0	Good arsenopyrite near vein.	319-321'6			nil
49	Considerable white quartz veining-	321 - 321	30"		nil
50	More massive rhyolite.	324-326}	30"	Į.	nil
51	Ditto				
52	Ditto	326}-329	30"	1	nil
53	Ditto	329-331	24"		nil
54	Better brecciation. 1" quartz vein.	331-333	24"		1.05
55	Ditto	333-335	24"		nil
5 6	Ditto	335-337	24"		nil
57	More massive rhyolite	337-339	30"	1	nil
58	Ditto	339}-342	30"		nil
59	Better fracturing and fair anseno-		\	Ì	
	pyrite.	342-344	24"	1	nil
60	Fractured grey rhyolite with		l		1
	muscovite.	360-362	24"	ļ	nil
61	Ditto	362-364}	30"	1	nil
62	Grey rhyolite well fractured with	1	1	1	<u> </u>
	quartz veins. Little arsenopyrite.	3721-375	30"		nil
63	Ditto- not so well mineralized.	375-377}	30"	Ì	nil
64	Fractured brown sediment quartz				
	stringers and arsenopyrite, mineraliz	†		Ť	
	ation.	383-384	12"	1	nil
98	Silicified zone.	429-431}	30"	1	nil
9 9	Ditto	431}-434	30"		nil
32300	Ditto	434-436	30"		nil
01	Silicified sediment.	436}-439	30"	Į	1.05
02	Ditto	439-441	30"	ł	nil
03	Ditto Better fracturing.	4411-444	30"		nil
04	Ditto	444-446}	30"		1.05
05	Ditto	4461-449	30"	1	nil
06	Dark bluish grey with bluish quartz		1	1	1
V	stringers. Little pyrrhotite	488-490	30"		0.70
07	Less silicification, green bands more	-	1	1	""
U /	ness stitutituación, green hands more	4903-493	30"		nil
^^	prominent. Speck arsenopyrite.			1	nil
08	Green and brown bands with pyrrhotite	13103-320	10	1	1 "
09	Well fractured and mineralized with			1	I
		i		1	1
		1	ļ	1	i
	· · · · · · · · · · · · · · · · · · ·	•			

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

Hole No. D.D. .K-34 Rage 2.

Logged by

Place Date Sqrt. 4,1954

No. Description Yootage Width Oz., Value	Sample				Assay
10.05 10.06 10.0		Description	Footage	Wiath	Oz. Value
A	170040	T444-	0001 700	,	
A2 Ditto Diry rhyolite with fine to coarse Direct rhyolite with 1" white quartz. Stringers. A6 Crey rhyolite with nerrow blue quartz stringers. Direct rhyolite with blue quartz stringers. Direct rhyolite with blue quartz stringers. Direct rhyolite near vein. Cood arenopyrite near vein. Condider ble white quartz veins. Condider ble white quartz veins. Ditto					
13 pitto greyer 14 pitto greyer 15 pitto greyer 16 pitto greyer 16 pitto greyer 17 proposition with fine to coarse are analyzite. 18 pitto crey rhyolite with 1" white quartz. crey rhyolite with nerrow blue quartz stringers and f" white quartz veine. Cood areappyrite. near vein. 18 pitto consider bie white quartz veine. Cood areappyrite near vein. 19 pitto consider bie white quartz veining. 19 pitto consider bie white quartz veining. 10 pitto consider bie white quartz veining. 10 pitto consider bie white quartz veining. 11 pitto consider bie white quartz veining. 12 pitto consider bie white quartz veining. 13 pitto consider bie white quartz veining. 15 pitto consider bie white quartz veining. 15 pitto consider bie white quartz veining. 15 pitto consider bie white quartz veining. 15 pitto consider bie white quartz veining. 15 pitto consider bie with consider consider bie bie consider bie consider bie consider bie consider bie consider bie consider bie consider bie consider bie consider bie consider bie consider bie bie consider bie bie consider bie consider bie consider bie consider bie bie consider bie bie consider bie bie consider bie bie consider bie bie bie consider bie bie bie consider bie bie bie consider bie bie bie bie bie bie bie bie bie bie				<u> 22")</u>	
Ab Litto greyor Crey rhyolite with fine to coarse aronopyrite. 46 Crey rhyolite with nerrow blue quartz. Crey rhyolite with nerrow blue quartz atringers. 58 Crey rhyolite with nerrow blue quartz atringers. 50 Concider bla white quartz vein. Cool arenopyrite new vein. Cool arenopyrite new vein. Condider bla white quartz vein. Condider bla white purportite. Condider bla whi					
45 Crey rhyolite with fine to coarse aranopyrite. Grey rhyolite with 1" white quartz. Grey rhyolite with narrow blue quartz atringers. As arrow physite with blue quartz Extringers and; " white cuartz vein. Good arenopyrite near vein. Good arenopyrite near vein. Some assaive rhyolite. Siletto Silet		_ -		30"	
### ### #### #########################			3071-310	30"]	nil
46 Crey rhyolite with 1" white quartz.	45				1
Crey rhyolite with narrow blue quartz					nil nil
### atringers and matter of the blue quartz stringers and matter of the blue quartz stringers and matter of the blue quartz vein. Coad arenopyrite near vein.		Crey rhyolite with 1" white quartz.	312-314	30°	nil
Seringers and white quartz vein. Cood arenopyrite near vein. Cood arenopyrite near vein. Cood arenopyrite near vein. Cood arenopyrite near vein. Cood arenopyrite near vein. Cood arenopyrite near vein. Signature of the white quartz veining. Signature of the state of the	47			1	
### Stringers and 1 white quartz vein. Cood areappyrite near vein.			3143-317	30"	.0.70
Condider ble white quartz veining. 19	48		}		
Consider ble white quartz veining.				1	ŀ
Consider ble white quartz veining. 319-321 6 30		Good arenopyrite near vein.	317-319	24"	nil
More massive rhyolite.	49	Consider blo white quartz veining.	319-321 6	30 M	
Sitto	50	More massive rhyolite.	3215-324		
bitto bitto bitto core massive rhyelite bitto core massive rhyelite core massive rhye	51	Litto	324-3263	30"	
bitto bitto bitto core massive rhyelite bitto core massive rhyelite core massive rhye	52			30 4	
bitto bitto bitto core massive rhyelite bitto core massive rhyelite core massive rhye	5 3	4	399-331	244	
bitto bitto bitto core massive rhyelite bitto core massive rhyelite core massive rhye	54		771 - 777		
Ditto Since Sinc	55	Ditto	333-336		
Ditto Since Sinc	56	<u> </u>	325-377		
Ditto Since Sinc	57		337-3201		
Better fracturing and fair arsenopyrite. 342-344 244	ર્દક		3300 340	30.8	
## 10			שרעשעעע	20	1 1177
Froctured grey rhyolite with muccovite. Ditto Gray rhyolite well fractured with quartz veins. Little aragnoryrite. Tractured brown ediment quartz stringers and arssopyrite. mil 375-377h 30" mil nil 32300 bitto Ditto Silicified zone. 429-431h 30" mil 32300 bitto Ditto Ditto 430-436h 30" mil 105 Ditto 430-444 30" mil 105 Ditto 430-444 30" mil 105 Ditto 430-444 30" mil 105 Ditto 430-444 30" mil 105 Ditto 440-446 3	79	become tracouring with rail, wishing	340-344	0.46	
61 Ditto 62 Gray rhyolite well fractured with 63 Clitto - not so well mineralized. 64 Tractured brown ediment quartz 65 Silicified zone. 65 Silicified zone. 66 Silicified ediment. 67 Silicified ediment. 68 Silicified ediment. 69 Clitto 60 Clitto 61 Silicified ediment. 62 Silicified ediment. 63 Clitto Better fracturing. 64 Clitto 65 Clitto 66 Clitto 67 Clitto 68 Clitto 69 Clitto 69 Clitto 69 Clitto 60 Clitto 60 Clitto 60 Clitto 60 Clitto 61 Clitto 62 Clitto 63 Clitto 64 Clitto 65 Clitto 65 Clitto 66 Clitto 67 Clitto 68 Clitto 69 Clitto 69 Clitto 60 Cl	60		ארב בארב	24"	nı.
61 Ditto 62 Grey rhyolite well fractured with quartz veins. Little araquerite. 63 Ditto - not so well mineralized. 64 Fractured brown ediment quartz stringers and arssopyrite.mineralize ation. 65 SiPicified zone. 66 Ditto 67 Ditto 68 Ditto 69 Ditto 69 Ditto 69 Ditto 60 Dit	w		760 260	0.1M	1
Gray rhyolite well fractured with quartz veins. Little aragnosyrite. 3721-375 30" mil nil Litto - not so well mineralized. 375-3776 30" mil stringers and arasopyrite.mineralized attion. 383-384 12" mil 429-4318 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 311-434 30" mil 300 Ditto 441-444 30" mil 300 Ditto Ditto Ditto Dark bluish gray with bluish quarts attingers. Little pyrrhotite. 488-4902 30" o.70 108 Green and brown bandd with pyrrhotite5182-520 18" mil	63				
quartz veins. Little aragnopyrite. 3721-375 30" Litto - not so well mineralized. 375-3776 30" fractured brown ediment quartz stringers and arssopyrite.mineralizeation. Silicified zone. 429-4316 30" Litto Litto 436-436 30" Ditto Silicified ediment. 436-439 30" Litto Better fracturing. 4416-444 30" Litto Ditto Litto Lark bluish grey with bluish quartz stringers. Little pyrhotite. 488-4306 30" Coreen and brown bandd with pyrrhotites 182-520 18" Inil mil mil mil mil mil mil mil mil mil m			205-2043	٣٠٠/	nıı
1	02		L-01	~ a fl	
Stringers and arssopyrite wineralization. 98 Silicified zone. 99 Litto 101 Silicified ediment. 102 Litto 103 Ditto Better fracturing. 104 Ditto 105 Ditto 106 Dark bluish grey with bluish quartz stingers. Little pyrrhotite. 108 Green and brown bands with pyrrhotite 184-520 108 Green and brown bands with pyrrhotite 184-520 109 Silicified ediment. 100 A 20 Litto 100 A 30 A 30 A 30 A 30 A 30 A 30 A 30 A	6 7			<u> 20"</u>	
Stringers and arssopyrite.winerslix- ation. 383-384 128 308 99			375-3776	30") nil
### ### ##############################	04		1		
98 SiPicified zone. 99 Ditto 101 Ditto 101 Silicified ediment. 102 Ditto 103 Ditto Better fracturing. 104 Ditto 105 Ditto 106 Dark bluish grey with bluish querts 107 Less silicification, green bands 108 Green and brown bands with pyrrhotites 182-520 108 Creen and brown bands with pyrrhotites 182-520 108 Ditto 108 Ditto Dark bluish grey with bluish querts 109 Dark bluish grey with bluish querts 109 Dark bluish grey with bluish querts 100 Dark bluish grey with bluish querts					
31 -434 30" 50" 51 50 51 51 51 51 51 51	-0	· Control of the cont		12"	
32300 Ditto 434-436\frac{1}{2} 30" 1.05				30 "	
Ol Silicified ediment. Olitto		! "			
O2 Litto O3 Litto Better fracturing. O4 Litto O5 Litto O5 Litto O5 Litto O6 Litto O6 Litto O6 Litto O7 Less sllicification, green bands O7 Less sllicification, green bands O8 Green and brown bands with pyrrhotites 190k-493 O8 Green and brown bands with pyrrhotites 184-520 O7 Less snlicification, green bands O8 Green and brown bands with pyrrhotites 184-520 O8 Less snlicification of the content					
O3 Ditto Better fracturing. O4 Ditto O5 Ditto O6 Dark bluish gray with bluish quartz stingers. Little pyrrhotite. O7 Less silicification, green bands more prominent. Speck arsenopyrite. 4905-493 O8 Green and brown bands with pyrrhotites185-520 O8 Dark bluish gray with bluish quartz 488-4905 30* O-70 O-70 O-70 O-70 O-70 O-70 O-70 O-70				<i>3</i> 0."	
04 Ditto 05 Ditto 06 Dark bluish grey with bluish quarts stingers. Little pyrrhotite. 07 Less silicification, green bands more prominent. Speck arsenopyrite. 4905-493 08 Green and brown bands with pyrrhotite 185-520 1.05 1.05 1.05 1.05 1.05 1.05 1.07 1.08		i e		<i>3</i> 0"	nil
O5 Ditto O6 Dark bluish grey with bluish quarts stingers. Little pyrrhotite. O7 Less silicification, green bands more prominent. Speck argenopyrite. 490k-493 O8 Green and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520				30 "	nil
O5 Ditto O6 Dark bluish grey with bluish quarts stingers. Little pyrrhotite. O7 Less silicification, green bands more prominent. Speck argenopyrite. 490k-493 O8 Green and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520 O8 or on and brown bands with pyrrhotites 18k-520				30 "	1.05
O6 Dark bluish grey with bluish quarts stingers. Little pyrrhotite. 488-4902 30* 0.70 O7 Less silicification, green bands more prominent. Speck argenopyrite. 4902-493 30* nil common and brown bands with pyrrhotites 182-520 18* nil		1 7 - 7 7 7	4463-449	30°	
atingers. Little pyrrhotite. 488-490½ 30* 0.70 O7 Less silicification, green bands more prominent. Speck arsenopyrite. 490½-493 30* nil O8 Green and brown bands with pyrrhotite\$182-520 18* nil	06			•	
O7 Less silicification, green bands more prominent. Speck argenopyrite. 4902-493 30" nil O8 Green and brown bands with pyrrhotites 182-520 18" nil			488-4901	30 *	0.70
more prominent. Speck areenopyrite. 4905-493 30" nil 08 Green and brown bands with pyrrhotite 182-520 18" nil	-07			:	
08 Green and brown bands with pyrrhotite \$182-520 18" nil	•		490%-493	30*	nil
	- 08				
]	_ 	
			<u> </u>		
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DIAMOND DRILL REPORT Hasaga Koval-Ohman Option

Logged by; J.C.S.

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

Place Direction Date Sept.6/54

Sample				Ass	ay
No.	Description	Footage	Width	Qz.	Value
33009	cont'd				
	pyrite. Blue quartz stringers	520-522	24"		nil
10	Ditto	522-5243	30"		nil
11	Quartz veining tourmaline and good	•			
	coarse arsenopyrite.	576 6-577	6"	i l	nil
12	Quartz diorite with small mineralized				
	fracture.	577-578	12"	ļ ļ	nil
13	Contact zone-considerable bluish			l i	
	quartz; tourmaline and arsenopyrite.	578-579'4	16"	ļ	1.75
14	Brown sediment - small fracture		ĺ	, ,	
	with arsenopyrite.	6034-6044	12"		nil
0-7	Casing	_			
7-81	Tuff green fine to coarse grained. Occ	asional q	µartz st	tinger	β•
81-92	Tuff (sediment?) green and brown band	. Occasio	hal quar	tz str	ingers.
92-107	Blue green massive fine grained. Litt	le pyrrhot	ite mine	raliza	tion.
	Rhyolite? Fractured near 100'. Near ex	nd of sect	tion show	s fain	ļ.
307 33410	banding or bedding.		,		
107-114'9	Tuff? Dark green banded. Well mineral	ized With	pyrrnoti	te and	
114'9-117	pyrite, Occasional quartz stringers.				
114 9-11/	Rhyolite? Dark brown grey fine graine	d. Silleli	red Tain	c bana	ing
117-131'6	Good pyrrhotite mineralization. Some	green band	•	-1 6	
111-131.0	Green and dark banded tuff. Some sect		km droen	LSN II	ne
	grained. Fair pyrrhotite minera izati 119-120 Considerable white quaruz str		عنصددنما		Ĺ
13116-13214	Light greenish very silicious rhyolit	ingers and	d SILICIE	reatio	n. bin
131 0-135 0	at 132' with considerable pyrite.	e cac by n	Tursh qu	ALCZ V	ETI
133'6-145'6			Į.		
145'6-150'3	· · · · · · · · · · · · · · · · · · ·	th bluich	duarta	etrina	are and
143 0 130 3	blebs.	Ten Brursi.	quartz	bering	ers. and
150'3-173	Grey to dark almost black fine graine	d sediment	Genera	11.7	
	silicious but not uniformly so. Some	minor gree	n bands	near e	hd
	section.	J			
	1" quartz stringer at 166-and 167}				
173-178	Green and brown banded silicified sed	ment: Gar	hets bec	oming	
	prominent by 175' Little pyrrhotite m				
178-183	Garnetiferous green and brown banded				ì
183-187	Green and brown banded silicified sed			1	1
187-189	Green and brown garnetiferous band.		1		1
189-192'6	Dark vary silicious band. Banding goo	d near mid	lple of s	ection	but
	poor at ends.	1]
ł	l" bluish quartz stringer at 192' wit				
192'6-199'	.O Green and brown to dark banded rock	with occa	sional c	barse	garnets.
199'10-203	Fractured dark sediment with bluish q	uartz stri	ingers. S	ome mi	hor
	greenish bands. Little pyrrhotite.		1		
203-204}	Ground.	l	1]	
	DUPI	LICATE	$\mathbf{I} \cap \mathbf{C} \cap \mathbf{F}$	abla V	
į		JUALITY		4AL	
	•	O FOLL	.OW		
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DIAMOND DRILL REPORT. MAGAGA Koyal-Chman Option

Hole No. D.D. E-34 Page 5.

Logged by J.C.B.

Place Location Direction Date Sept. 6/54

•	Sampl No.	•	Description	Footage	Width		Say Value
				E 2 4 4 4 1 1	1144011	749	larao
	33009	Ì	cont ^a d				
		- {	ryrite. Blue quartz stringers.	520-522	249		nil
	10		Ditto	522-524	30"	}	nil
	11	1	frights voining tournaline and good	3. '0-577	6#	i	-43
	13	Ĭ	c area arsenopyrite. []	Ar 0-211	~ ت		nil
	14	- 1	trictura.	· 577 - 578	12"	1	17
	13	1	Contact zone - considerable bluish	וסוכבווכין	14	1	nil
•	• •	- {	quartz, tournaline and areanopyrite.	578-5791	4 16"		1.75
	14	ı	Brown codiment - small fracture				4-12
	, _ ,	- 1	with areacpyrite.	6033-604	12"		inil
. 0	- 7		C acing				
	- 31		Tuff green fine to coarse grained. O	cssional	quertz s	tringe	1.8.
	- 92		Tuff (sediments) green and brown band	e - Occes1	onal qua	rt2 Bt	ringers.
52	- 10	7	Blue green maasiva fine grained.Litt	ie pyrrhot	ite mine	ralizu	tion.
			Thyolite? Fructured near100'. Near en	td of anot	ion show	B fair	t
		1	bending or bedding.				
107	- 11	4. 0	Tulf? Durk green banded. Well minered	lized with	pyrrhot	ite ar	<u>a</u>
			pyrite. Occasional quartz stringers.				
124'5	- 11	1	Rhyolite? 'ork brown grey fine grain	de silici	fied - f	pint b	ending
		ا ا	Good pyrrhotite mineralization. Bone	} Excen pen	ds.		<u> </u>
117	- 15	7.6	Green and dork bended tuff. Some sec		orm gree	nish	ine
		- 1	grained. Fair pyrahotite mineralizat				
22 1 1			117-120 Considerable white quartz st Light groenish very silicious rhyoli	ingere an	KI 811101	1 1 CAC	on.
י בכי	, - 1)	ייכו	et 132' with considerable pyrite.	te cut by	OTRIBU C	MRLFS	vein
331/	5 - 14	1. 1 6	Tuff as 117-131 in goeral.		<u> </u>		
מבי ל	,	3.5	Gornetiferous green and dark banded	eith bluis	h cuartz	atrir	7878 A
1	,,	~ †	blobs.	}	400.0	- 41	6,0100 0.
5011	5 - 17	, ,	Grey to furk almost black fine grain	d nedimen	t. Gener	ally .	Ì
,	, - 41		gilicious but not uniformly so. Some				and 55
		į	section.	,,,,,,	}]	
-		• -	1" quartz stringer at 166 and 1673		}	}	
17	3 - 17		Green and brown banded silicified se	Alment? On	rnets be	couing	
		į.	prominent by 175'. Little pyrrhotite	mineraliz	ation.	i `	
	3 - 18		Garnetiferous green and brown banded	\$11101f1	ed.	[
18	5 - 10		Green and brown banded silicified se	¢iment.	ĺ		
	7 - 18		Green and brown garnetiferous band.	1	4		
18	9,- 19	32 ' (S Tark very allicious band. Banding go	pd neur mi	ddle of	section	n but
	:	}	ppor at ende.].	١	l	\
000		!	1" blulch quartz stringer at 192' wi				
192'	- 19	191	10 Green and brown to dark banded rock	Larrit occa	Proper c	corse	garnote
79'10) - 20	75	Fractured dark sediment with bluish	quertz str	lngers.	120000 0	inos.
1	¥ . ^^		greenish bands. Little pyrrhotite.		<u> </u>	1)
20	5 - 2 0	744	Ground.		}		Ì
		Ì			(Į.
!	•	į		ļ	1	,	

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
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Sample	Description	Footage	Width	Ass	яy
No.				Q2.	Value
2041-2271	Green and brown to grey banded sed men		µlar band	ing	
	(x bedding) Occasional quartz stringer	s.			
	212-213 Ground	ł			
	215'9-216'6 Ground]]	
221 222	224'6-225 Quartz intruded fracture zon	e. Little	pyrrhot.	te.	_
2271-233	Dark and green banded sediment with oc 2" fracture rock with white quartz vei	casional (guartz si	ringe	s.
233-235	Fractured zone with white quartz vein.				
235-24319	Grey sediment with occasional greenish		he fracti	ring	vi th
	white quartz stringers. Some pyrrhotit	e mineral	zation	19	1011
24319-2441				ssibl	y
	altered quartz diorite. dyke.]			
24417-2461	3 Contorted grey sediment. Fractured w	ith quart	stringe	rs.	li .
246'3-246'	6 Mainly white quartz vein. Walls very	irregula	r. Fragm	nts o	wall
	rock in quartz. Intruded by grey rhyol			<u> </u>	
246 6-255	Fractured silicified sediment with cor				
255-264'9	Breccia zone 75% white quartz filling.				
	case a fracture in white quartz, are w	dell winer.	alized w	th co	arse
	arsenopyrite.		64334		
264'9-292	At 257 small fractures in quartz with Silicious rhyolite generally well frac				
204 9-292	and veins. Good arsenopyrite in section				hera
	2671-4" quartz and rock fragments with	arsenopy	rit mine	taliza	tion.
	270-271} Quartz veining and silicification	tion with	good ar	senopy	rite
	mineralization.]	
	279-281 well fractured with considera	ble quart	z. Fair	pyrrho	tite
	and arsenopyrite.]	
	284-285 as 279-281}			1	•
	2913- 4" quartz veining with fair arso				
292-300	More massive rhyolite with some silic.	itication	and fine		
200 250	arsenopyrite mineralization.		1	l	} , _
300-350	Lightly brecciated rhyolite with some number of white quartz veins. particular				na a
	318-321'6 Arsenopyrite mineralization				From
	310-312 Muscovite associated with frac				
	Rhyolite darker in color in last of 1			(01.113.	
350-380'3	Rhyolite grey to dark with occasional	quartz st	ringers	and sm	h11
	veins. Fracturing stronger from 371-3	18. Muscov	te asso	ciated	with
	fractures especially from 360-365' (pe	ssibly si	Licified	greyw	
380'3-382					
382'6-396					
	383½ - ½" white quartz stringer. Litt	le arsenop	yrite in	vicin	ity
206 422	of fractures.		1	1	
396-408	Green and dark banded sediment with b			gers.	
408-429	Dark grey sediment with occasional qu	arta Still	Mera.		
	ווות	PI IOV	+= ~	h	
Ì	וטע	PLICA R QUALIT		4 J. A	
:	POOR	R QUALI	TY ORIC	IAUIE	

DIAMOND DRILL REPORT. HASAGA

Koval-Ohman Option

Hole No. D.D. 14.14.1459 4.

Logged by J.C.S.

Place Location Direction DateScat. G.1954

	Sample			,	10000
	No.	Description	Footage	Width	Oz. Value
)4 <u>1</u>	- 2274	Green and brown to grey banded sedim	ent. Lenti	cular ba	nding
		(y bedding) Cocacional quartz string	are.		
		21519-21616 Ground 22416-225 Quartz intruded fractur	2019. 11	**10 000	ahati ta
75	- 233	Tark and graun bunded addiment with	decasional	quartz	tringers.
33	- 235	2" fracture rock with white quartz vei	din at 231		
35	- 2451	Grey sediment with occurional greeni	ah bund. S	pme sodi	n on t
	- 24413	fracturing with white quartz stringe	ng. Some p	prrhotit	e mineralizat
•		eltered quartz diorite.dyke.	e quartz b	F4D8 TO	38101 y
	- 2461		1th quartz	stringe	8.
, , <u>,</u>	- 2404	Totally chite quarts vein. Wells very rock in quarts. Intruded by grey rhy		PIFE CMO	its of wall
	- 255	Practured silicified sediment with o	dasiderabl	streup s	veining.
5 '	- 204'	Breccia zone 75% white quartz filling care a fructure in white quartz, are			
		oreenopyrite.	-	1] [
ı a	- 292	At 257} small fractures in quartz wi Silicious rhyolite generally well fr			
, ,	- 274	and veins. Good arrenopyrite in sact	done of be	ept fract	bring.
		2075 - 4" quartz and rock fraggents 270-2713 Quartz veining and silioif	fith arer	phyrice	hineralizati
		mineralization.	dation wit	n goos a	Benopyrice
		279-2812 "eal fractured with conside	alopje drai	z. Fair	pyrrhotite
		and armemopyrite. 284-285 as 279-281}		,	·
		2015 - 4" quartz veini g with fair e			
292	- 300	fore mansive rhyolite with some sili	.qrrication	n and fin	•
500	- 350	Lightly breccioted rhyolite with so:			
		number of white quartz veing, partic 318-321'S areanopyrite mineralization	ularily in	i the set	10n. cible from
		310-312/ inscovite arrociated with i	nactures	and quart	veing.
ιπ Λ	- 580°	Phyolite darker in color in lest of Phyolite grey to dark with occupions			end unill
,,,,	, - ,00	veine. Fracturing stronger from 371-	·对78。 Huse	vite ass	ociated with
. 1 %	1001	fractures especially from 360-365' Ellioified grey sediment with bluish			
	- 396	Prown adiment with bluish quartz and			
	-	383h -h" white quartz stringer. Lit			
396	- 408	of fractures. Green and dork banded sediment with	bluish ou	artz etri	mgerg.
	- 429	Dark grey sediment with occasional			TO

DIAMOND DRILL REPORT Hasaga

Koval-Ohman Option Logged by J.C.S.

Hole No. D.D. E-3.4....

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

				· · · · · · · · · · · · · · · · · · ·	
Sample	Description	Footage	Width	Ass	
<u> </u>	•	1	i -	U2.	Value
429-449	Silicified zone with speck pyrite and dark grey in color with a few quartz :	tringers	Greenis	band	
	becoming prominent in last 3 feet of	ection	Greenis	, Dania	,
440 456	Slightly silicified grey sediment with	minor ar	en band	ng. S	ight
449-456	fracturing and few quartz stringers.	inition gr	Ton Dana	19.	
456-460'7	Brown and green banded sediment.	1	1	}	
460'7-462'					
462'9-477	Brown and green banded sediment. Litt	le shearin	in occ	siona	<u>l</u>
402 9-4//	bluish quartz stringers.	1		1	[
477-488	prodominently green with brown bands-	lamphiboli	te (tuff	†)	
488-493	Dark bluish grey - slightly silicifie	d with blu	lsh quar	tz str	Ingers
400-495	Little pyrrhotite mineralization and	ccasional	arsenop	vrite.	,
493-300'3	Green and minor brown banded.		•	1]
	6 Duke Quartz diorite.	1	1	-	
502'6-512	Green massive generally even textured	medium gr	hined gr	¢ensto	he
	Few very minor brown bands at start o	f section.	. (Į.	Į.
512-518'6	Green and minor brown banded with OCC	asional bl	luish qua	ttz st	ringers
518'6-524'	6 Green and brown banded fairly regul	ar in firs	st foot o	f sect	ion.
_	becoming very strongly fractured with	loccasiona	al blue c	partz	
	stringers and heavy pyrrhotite minera	lization.		1	1
524'6-546'	6 Green coarsly amphibolitic. Occasio	nal garnet	t at star	t of s	ection.
	Becoming much finer grained to almost	leven text	tµred gre	enston	ie in
	last 8 feet.		•		1
546'6-553	Green and dark banded sheared rock.	1, , ,			2200
553-574	Green amphibolitic rock with occasion	al brown	opnas at	start.	-bm 567'
	557' numerous bluish quartz stringers	Bluisn		. PCK 11	. D.M. 307
574-57619	Brown and green irregularily banded.	labla fra	churing :	of cont	bote
576'9-579'	4 Quartz diorite dyke showing consider with bluish quartz and tourmaline with	and ar	churing a	b mine	eral-
	ization. Small fracture in middle of	duke show	si hluish	duarta	
	tourmaline and arsenopyrite. Arsenopy	rite coar	se crysta	ine.	Little
	pyrrhotite and chalcopyrite in dyke	cack.	02,750		
579'4-593		ed rock. O	ccasional	llguar	te
3/3 4-393	stringers. Little pyrrhotite.				-
	584-587 Ground.				1
593-605	Brown and minor green banded with occ	casional b	luish qu	artz s	tringers
373 003	599-601 Light chirty band.			į	
	604 Small fracture with arsenopyrite	. }	}		1
505-623	Brown and dark banded sediment with	bluish qau	rtz stri	ngers.	A few
300 3.00	narrow chirty bands.	}	1		
623-638	Green and dark banded sediment	1	-		1
	2" quartz stringers at 632.	1	1.		
638-652	Green and brown banded with occasion	a quartz	stringer	S	
652-653	Dyke		1		- }
	DIII	ol ican	- /		
	END OF HOLE 653'		▋╠┸┖	1	
	COOF	RQUALIT	M Claic	IALI	
		PLICAT RQUALIT TO FOI		4/3/m	1
			╌╫─٧٧	1	1
		-	ı	1	1
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DIAMOND DRILL REPORT.

ADACAH

Hole No. D.D. 2-34 Page 5.

Koval-Ohman Option

Logged by J.C.S.

Place Location Direction Date Sent 6 1954

	Sample				Assay
	No.	Description	Footage	Width	Qz. Value
420	- 440	Silicified zone with speak pyrite and	14ttle ov	rrantite	Ident to a
- N.C. J		cark groy in color with a few quartz :	trincore	Greenis	n bande
		becoving prominent in last 3 feet of a	ection.		
449		Silgicly ailicified grey mediment with		sen band	ing. Riight
		fracturing and fow quartz stringers.			
456	- 460*7	Brown and green bended sediment.			•
60 Ī 7	- 462	Quartz diorito dyke.	[•		
62°9	- 477	Brown and green banded sediment. Litt	le cheeri	ng in oc	escional
		bluich caurtz stringers.	}		
477	- 438	Predominently green with brown bance			
488	- 493	Dark bluich grey - slightly silicific	d with bl	uish qua	rtz stringers
		Little pyrrhotite mineralization and	occisions	L arsenp	pyrite.
493	- 3.00	Green and minor brown banded.	1		
		Tyke Guartz diorita.]		
05.0	- 512	Green massive generally even texture			reenstone
	(C) D 1	Tew very minor brown bands at start of	r ecction		
215	504	Green and minor brown banded with occ	davicum o	uusn cu	artz etringer
10.0	- 524.6	Green and brown banded fairly regular	in tires	IOOT OF	Bection
		becoming very strongly fractured with	nocamion	ST. DIAS	quartz
2416	- c/c1/	stringers and heavy pyrrhotite mineral Creen coursely amphibolitic. Occasion	11128 21011		
24.0	- 2401	Beaming such finer grained to almost			
		last 8 feet.	BARN CEXT	nred Rrs.	cuarona Tif
4616	- 553	Grown and dark bunded sheared rock.	}	}	
	574	Green amphibolitic rock with occasion	numara for	hande at	atart Fron
ررر	, - 214	557 numerous bluish quartz stringor	d Blulub	Lint to	tock from 56'
5,74	576	9 Brown and green irregularily banded.	7		100% 110% 30
		A Quartz diarite dyke shewing consider.	ble fract	hrana at	contants
		with bluish quartz and tourmaline wi			
		ization. Small fracture in middle of			
		tournaline and araahopyrite. Arannop			
	•	pyrchotite and chalcopyrite in dyke			
79'4	- 593	Green and dark bunded allightly shear	d rock. (ccesions	1 quartz
		stringers. Little pyrrhotite.		l l	1 1
	•	584-587 Ground.			1
593	- 605	Brown and minor green banded with oc	danional t	duish qu	prtz stringe:
i		50%-601 Light chirty band.	[1	
	_	604 - Emcli fracture with armonopyri	t e•	1	
605	- 623	Brown and dark banded sediment with	bluish que	tz stri	hgers. A few
,	,	narrow chirty bands.	1	1	
653	- 633	Oreen and dark banded sediment		1	
		2" quartz stringers at 632.	1		}
	- 652	Green and brown banded with occasion	el quartz	tringer	* •
	- 553	Dyke	ł	1 .	
	•			1	
		End of hole 653'	1	1	
ı	:		1	1	
ł		·	!	1	
.		3	1	ī	1

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POOR QUALITY ORIGINAL DIAMOND DRILL REPORT TO FOLLOW

Hasaga Koval-Ohman Option Logged by J.C.S.

Hole No. D.D.

4496.1N

Place Surface... Location. 6942, 3E... Direction N 23° W Date Elevation 5004.9

Dip: 0' -	65° 200' -59° 400' -49\	500 •	-48°		
Sample No.	Description	Footage	Width	Ass	
<u> </u>				Qz.	Value
33086	Highly silicified sediment, mainly			ļ	
	blue grey quartz with tourmaline and	153'10-15	5 26"		nil
87	pyrrhotite. Fractured grey silicified sediment	133 10-13	20		1111
0,7	with quartz stringers.	178-180	24"	1	nil
88	Fractured silicified grey sediment	1,0 100			
	quartz stringers.	181-182	12"		nil
89	Grey silicified sediment well fract-				ļ
	ured with white quartz filling and				1
		273}-274}	12"		1.05
90	Grey silicified sediment, fractured.			}	
	White quartz stringers, muscovite.				
0.3	Little pyrite.	2743-2773	36"		1.75
91	Silicified grey sediment with little	2221 200	2011		١
92	pyrite and pyrrhotite.	2771-280	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.	200-202	24	ļ	8.73
7.5	Visible Gold? Fairly good pyrite and	1		1	ļ
	pyrrhotite.	282-282'8	8"	ĺ	18.90
94	Rhyolite Fair mineralization in			İ	
	small fractures.	282'8-285	28"		8.75
95	Ditto. White quartz veining.	285-287	24"	i	19.95
96	Ditto.	287-289	24"	ł	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	295-297	30"		1.75
01	Contact zone. White quartz veining.	2971-2981			0.70
02 03	Sheared rhyolite? altered sediment?	317-319 <u>1</u> 322-324 <u>1</u>	30" 30"]	nil nil
04	Rhyolite sheared with contorted	322-3249	30	l	l urr
04	quartz stringers.	3271-330	30"	1	nil
05	Rhyolite coarser grained fractured,	32.7 330	""		"
0.3	blue quartz stringers and biotite		1	1	1
	(phlogopite?)	335-3371	30"		0.70
06	Coarser rhyolite with fair pyrrhotite				
	mineralization.	3421-345	30"		nil
07	Rhyolite with 50-60% white quartz			1	1
	veining.	348-350	24"		nil
08	Coarse rhyolite fractured and with			ŀ	
	white and bluish quartz stringers.	350-352	24"		nil
09	Ditto, better fracturing and fair	252 254	24"	1	1
1.0	pyrrhotite.	352-354	24		nil
1.0	Rhyolite fairly dark with Longitud- ional fractures.	2621 265	30"		1 -43
11	Rhyolite with fair fracturing and	362}-365	30"		nil
7.1	numerous quartz stringers.	366}-369	30"		nil
ļ		1	4	ı	•

DIAMOND DRILL REPORT.

Hasaga Koval-Ohman Option

Hole No. D.D. E-35...

4496.1 N

Logged by J.C.S.

Place .Surface ..

Dip: 0'	-65° 200' -59° 400' -49%°	5001 -4	48°		
Sample			{	AB	say
No.	Description	Footage	Wiath	Qz,	Value
33086	Highly silicified sediment, mainly		1		
	blue grey quartz with tourmaline and pyrrhotite.	153'10-15	5 26"	!	nil
87	Tractured grey silicified sediment			•	
88	with quartz stringers. Fractured silicified grey sediment	178-180	24"		r.il
00	with quartz stringers.	181-182	12"	1	nil
89	Grey silicified rediment well fract-				
	ured with white quartz filling and pyrite and pyrrhotite mineralization	2721-274	} 12"		1.05
90	Grey silicified sediment, fractured.				•
	Thite quartz stringers, muscovite.	2743-277	<u>}</u> 36"		1.75
91	Silicified grey sediment with little	[[
~	pyrite and pyrrhotite. Crey rhyolite? intruded into grey	2771-280	30"		9.10
92	sediment. Tair pyrite and pyrrhetite				_
	Tuscovite.	582-583	24"		3.75
93	Cediment remnant in grey rhyolite. Visible Gold? Fairly good pyrite and				
	pyrrhotite.	685-585	8 3"		13.90
94	Phyolite Tair mineralization in smell frectures.	28218-285	23"		8.75
95	Ditto. White quarts veining.	235-237	24"		19.95
96	Ditto.	287-289		Ì	6.65
9 7	Litto, Yinor white quartz veining.	593-531			4.20
93	Litto.	201-293	24"]	6.30
99	Litto. Fairly massive.	293-29	24"	}	4.90
33100	Litto.	295-297	30"	1	1.75
01	Contact zone. White quartz veining.	2972-23	12"	1	9,70
02	Sheared rhyolite? altered sediment?	317-31	新 30"	1	nil
03	Ditto.	322-324	· 30"	ļ	nil
04	Rhyolite sheared with contorted quartz stringers.	3273-33	30"		nil
05	Envolite coarser grained fractured,	1 3 1 3 3 3			
	blue quarth stringers and biotife	335-33	73 30 "		0.70
06	(Phlogopite?) Copreer rhyolite with fair pyrrhotis	i de			{
	mineralization.	3423-34	50"	[nil
07	Thyolite with 50-60% white quartz veining.	348=35	24"	}	\ n11
08	Coarse rhyolite fractured and with				,
00	white and bluish quartz stringers. Ditto, better fracturing and fair	350-35	2 24"		nil
09	pyrrhotite.	352-35	4 24"		nil
. 10	Rhyolite fairly dark with Longitud-	362}-36	5 30"		nil
11	ional fractures. Phyolite with fair fracturing and	JU23-30			1 ~
**	numerous quartz stringers.	3663-36	9 30"		nil
	· ·	1	.	1	ļ

DIAMOND DRILL REPORT Hasaga Koval-Ohman Option

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

Place Location Direction Date

Sample	Description	Footage	Width	Ass	
No.	Descripcion	rootage	MIGCII	Qz.	Value
33212	Rhyolite. Fractured, white quartz	!			
	stringers. Little fine mineral	Ì			
	(arsenopyrite?)	370-372	30"		nil
13	Medium grained rhyolite.	3821-385	30"		1.75
14	Breccia zone	3913-393	18"		nil
15	Rhyolite.	398-400	30"	1	0.35
16	Well fractured quartzite with numer-	330 4001	1		0.55
10	ous white quartz veins.	4701-4721	24"		nil
17	Fractured silicified sediment with	14/03-4/53	27		1111
17	L Company of the comp	Ì			
	quartz veins. Little pyrite and	425 4221	30"	i i	
• •	pyrrhotite.	475-4773			nil
18	Rhyolite.	4771-480	30"		1.75
19	Fractured rhyolite with fair pyrite	1	1	i '	
	and pyrrhotite.	480-482}	30"		3.85
20	Less well fractured rhyolite.	482}-485	30"		nil
21	Rhyolite. Little fracturing very		•	\	
	little mineralization.	485-4873	30"		nil
22	Rhyolite - white quartz vein,	4873-490	30"		nil
23	Silicified sediment.	490-492	30"		nil
24	Silicified sediment and narrow bands	130 1321]]
24		4923-495	30"]	nil
	with heavy pyrrhotite.	4327-433	30		1111
2	Continu	ļ	•		
	Casing.	1		L., a	L.,
15	Green lightly sheared rock with quart	z stringer	B and co	nsider	apre
	quartz injected into the shearing.	1	ĺ	[•
-28	Coarse amphibolitic shearing. Tuff.			1	
	18-19 Blue and white quartz veins.			Į.	
-31	Grey silicious sediment well banded.		Ţ]	
- 33	Grey brown massive band with fine pyr	te		1	
- 35	Sediment as 28-31 grading into bands	of amphibo	plitic ma	cerial	. .
-52}	Green amphibolitic rock with little e	vidence of	banding	. A fe	w white
	and blue quartz stringers. (tuff?)] ~		J
] -60	Green blue green and brown banded wit	h pyrrhoti	ite gener	hllv i	n the
2 00	brown bands. Banding good from 53-55.		100 9002	r, -	Ţ. C C
-62		1		1	ł
	Massive amphibolite?	1 01110101	la rook	romo "	1, 22
-103	Tuff. Generally massive green somewha				
	fracturing with quartz stringers. Lit	rie pyrice	amineral	uzacio	71.
	781-80, 83-831, Ground. Some minor br	opwn bands	near end	or se	ection
	with pyrrhotite mineralization.		į.	,]
3-105	Slightly silicious grey, brown and gr	een banded	d sedimer	ik (tui	性?)
	Some fracturing and quartz stringers.				
5-1221	Green massive amphibolitic rock (tuff	P) A few r	more frac	tures.	.
	108-109, 114-115, Ground.			1	
21-1311	Sediment. Slightly silicious in secti	ons. Brown	n and gre	en har	nded
es rota	with cross bedding. Occasional quartz				
	ות	JPLIC!	ATE C	JUP	V
			17/05	City	√ı.
	PO	ΦR QUAL	HO YIL		} L
		j.	PLLOW	4	
			YLLOW!	•	1
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DIAMOND DRILL REPORT. H.SAGA Koval-Ohman Option

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

Place Location Direction Date

No	Dogandadan	. .		A A S	вау
	Description	Footage	Width	Qz.j	<u>/alue</u>
33212	Rhyolite. Fractured, white quartz		}	!	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	stringers. Little fine mineral	j	i	- 1	
j	(Arsenopyrite?)	370-372	30"	•	nil
13	Medium grained rhyolite.	3824-385	30"	•	1.
14	Breccia zone	3918-393	18" l	1	ni:
	Rhvolite.	398-400		,	
15 16			ا در کا	į	0.
10	"ell fractured quartzite with numer-		24"	1	
	ous white quartz veins.	4705-472	p 24"	Į.	ni
17	Fractured silicified sediment with	}	, !	}	
	quartz veine. Little pyrite and			}	
	pyrrhotite.	475-477	30"		ก่า
18	Rhyolite.	4774-480	30"	i i	1.
19	Fractured rhyolite with fair pyrite	1	1	1	
_	and myrrhotite.	480-482	30"	. 1	3.
50	Less well fractured rhyolite.	4325-485	30"	- 1	ni
21	Rhyolite. Little fracturing very				
	little mineralization.	485-487	b 30" l	. 1	ni
S 2	Chyolite - white quartz vein.	4874-490			ni
	Silicified aediment.	493-492		i 🚶	ni
23			ا دد عا		117
24	Silicified sediment and narrow bands		704	1 1	
	with heavy pyrrhotite.	4924-495	30"	}	ni
- 2	Casing.	Į.]		
- 15	Green lightly sheared rock with quar	iz stringe	ra ani c	oneide	rable
	quartz injected into the shearing.	1	, ·		
- 28	Coarse amphibolitic shearing. tuff.	Ĺ	1		
	18-19 Blue and white ouartz veins.	[1	1 1	
~ .		1	•	1	
- 31	Drey silicious sediment well banded.			1 1	J
- 33	Grey brown massive band with fine py		1 '	1 1	<u> </u> _
- 35	Sediment as 28-31 grading into bunds				
- 52 1	Green amphibolitic rock with little	dvidence o	of bandin	B. Y 1	ew xi
	and blue quartz stringers. (tuff?)	1	1	1	
- 60	Green blue green and brown banded wi	in pyrrhot	ite gene	rally	in th
	brown bunds. Banding good from 53-55				1
- 62	"assive amphibolite?	`]		1	ł
- 103	Tuff. Generally manaive green somewh	at 8171 c1	LIA TOCK	Some	ກຳ ກວາ
- 100	fracturing with quartz stringers. Li				
	781-80, 83-831, Ground. Some minor b	Aces posses	20111012	12201	0110
			a nome en	1, 01 8	GGCIC
	with xxxix pyrrhotite mineralizati			1	
- 105	Slightly silicious grey, brown and g		p medine	nt (ty	IXY
	Some fracturing and quartz stringers	₽ ∮	ł]	,
- 122}	Green massive amphibolitic rock (tuf	147) A Sew	more fra	ctures	•
-	108-109, 114-115, Ground.				
- 131}	Sediment. Slightly silicious in sect	ions. Brow	h and ar	ben be	nded
-/	with cross bedding. Occasional quart	2 stringer	ra. Iittì	וידעת פ	
		7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ויינע ק	Í
		1	1		}
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]	1	[1

Hasaga Koval-Ohman Option

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

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

<u> </u>		<u> </u>		 	
Sample No.	Description	Footage	Width	Ass	Value
	Tuff? Sediment? More massive green as	105-1221		- 22.	<u>varue</u>
131½-135½ 135½-142½	cross and brown banded sediment (tuff?	N Pvrite :	n brown	bands	
142 - 144	crov well handed or bedded slightly Si	Ilicious se	≱diment.		
144-153'10	Green and brown banded sediment (tull.	() ATCU OCC	asional	small	
	quartz stringers. and little pyrrhotit	e.		1,1+	
153'10-156	Highly silicified band appearing as bl showing remnents of bedding. Some frac	turing wi	th tourm	aline a	and
	pyrrhotite.	luring "-			
156-159}	Grey to dark well bedded sediment.				
•	158-159 Fractured and containing 2" na	rrow blui	sh quart	z vein	
159}-166	Green and brown banded sediment showing	ng a very	ittle s	nearing	P
166 171	and fracturing. Occasional quartz stra Greenish brown sediment? Sheared appear	ungers. Arance wit	h verv t	inv qua	artz
166-171	blobs and stringers.		1	1	
171-174'10	Green and dark banded tuff? Garnetifer	dous, frac	tured an	4]
	l containing occasional blue quartz str.	ilnaers.		-	lin
174'10-199'	6 Uniform grey silicified sediment? Will sections. Little fracturing at 178' as	Hen raine	th narro	i lerude	111
	irregular quartz stringers. This band	resembles	a shear	d d	
	huglite in sections.	t	1	1	
199'6-209	Green and grey banded sediment slight	ly silicif	led in s	ection	s with
	some fracturing and blue quartz strin	gers. A re	w garnet	s evia	enc
209-218	near 205'. Well banded silicious sediment genera	lo grey b	out with	light	
209-210	cherty bands, a few green ones and so	ne dark.	very li	ttle	
	nurrhotite present.	1		1	
218-223	Darker sediment with green bands more	prominent	A rew	garnet	
222 2241	a very little fracturing and occasion Highly garnetiferous.	iai bide di	Jarcz sci	Ingers	'
223-224} 224}-226}	hark fairly uniform sediment.		1		
2261-232	Grey to dark sediment with irregular	dreen band	ds and a	e. pl	.µish
	quartz stringers.	#+lo choa	ring and	a fow	muart 2
232-258	Green and brown banded sediment? A li stringers. Green bands becoming less	vident to	oward end	dof se	ection.
258-2771	i name name of contion similar to 232-	-158 but b	e c omina 1	more	1
230 2.77	l meadominatoly a groy sediment. From 2	il to ena	or secr	τφη τηθ	rock
	lie a lighter grey and apparently slice	intly Sill	ciniea. I	MUSCOV:	rte is
	apparent in places. Strong fracturing evident at 260-262, 263-264, 273}-274	g with whi 11 and 27	6+277. F	air to	good
	pyrite and pyrrhotite is evident asso	diated wi	th the q	uartz	from
	1 2731-2741	ł	1		1
2771-2831	I grow rhyolite? with silicified grey s	sediment r	emnents.	First	part
	of section mainly silicified sediment	ts. Muscov	zation q	eneral	11/
	fractures. Fair pyrrhotite and pyrite quite fine. Very small speck of V.G.	? at 202'3	· 1		1
283]-298]	Grey to blue grey rhyolite. Fractured	dirregula	r contac	tzone	-
2007 2007	l with white quartz veining.		1	j	1
298}-317	Dark grow codiment with slight fracti	uting and	white qu	artz s	tringers
	312-314 Little shearing, numerus whi	te quartz	stringer	3	
			I .	ł	l

DIAMOND DRILL REPORT.

MUSICA

Movel-Ohman Option.

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

No. Description Footage Width Oz. V 316 - 1357 Tufr? Sadiment? Nore massive green as 105-1227 357 - 1427 Green and brown banded sediment (tufr?) Syrite in brown bands 428 - 144 Grey well banded or bedded slightly filicious sediment. 44 - 153'10 Green and brown banded sediment (tufr?) with occasional small quartz stringers, and little pyrrhotite. 310 - 156 Highly silicified band appearing as bluish grey quartz but showing rements of bedding. Some fricturing with tournsline makking, pyrrhotite. 350 - 1595 Grey to dirk well bedded sediment. 351 - 153-159 Fractured and containing S"narrow bluish quartz veing Green and brown banded sediment showing a very little shearing and fracturing. Occasional quartz stringers.	and
No. Description Footage Width Oz. V 318 - 1357 Tufr? Sediment? More mussive green as 105-1227 354 - 1422 Green and brown banded sediment (tuff?) Syrite in brown bands 428 - 144 Grey Well banded or bedded slightly dilicious sediment 44 - 153'10 Green and brown banded sediment (tuff?) with occasional small quartz stringers, and little pyrrhotite. 410 - 156 Highly silicified band appearing as bluish grey quartz but showing rements of bedding. Some fricturing with tournsline makkin. pyrrhotite. 456 - 1592 Grey to dirk well bedded sediment. 453-159 Fractured and containing 2"narrow bluigh quartz veing Green and brown banded sediment showing a very little shearing the search of	alue
Tufr? Sediment? More mussive green as 105-122%. Green and brown banded sediment (tuff?) Byrite in brown bands Grey well banded or bedded slightly dilicious sediment Grey well banded or bedded slightly dilicious sediment Green and brown banded sediment (tuff?) with occasional small quartz stringers, and little pyrrhotite. Highly silicified band appearing as bluish grey quartz but showing rements of bedding. Some fracturing with tournsline pxxxxxx, pyrrhotite. Grey to dirk well bedded sediment. 153-159 Fractured and containing 2"narrow bluish quartz vein Green and brown banded sediment showing a very little shearing.	and
Green and brown banded sediment (ture;) myrite in blow half of the sediment of	and
Green and brown banded sediment (ture;) myrite in blow half of a 142 Grey well banded or bedded slightly dilicious sediment of 25 153 16 Green and brown banded sediment (ture;) myrite sediment of a 153 16 Green and brown banded sediment (ture;) myrite in blow small quartz stringers, and little pyrrhotite. 156 - 156 Green and brown banded sediment. 156 - 159 Grey to dirk well bedded sediment. 153-159 Fractured and containing a narrow bluish quartz veing freen and brown banded sediment showing a very little shearing fracturing. Occasional quartz stringers.	and
Green and brown banded sediment (tuff') with occasional smull quartz stringers. and little pyrrhotite. Highly silicified band appearing as bluish grey quartz but showing remnents of bedding. Some fracturing with tournsline makkane pyrrhotite. Grey to dirk well bedded sediment. 153-159 Fractured and containing Bunarrow bluish quartz veing the sediment of the showing a very little showing and brown banded sediment showing a very little showing and processional quartz stringers.	and
quartz stringers, and little pyrhotite. 10 - 156 Highly silicified band appearing as bluish grey quartz but showing remnents of bedding. Some fracturing with tournaline pyrkkke, pyrhotite. 156 - 159 Grey to dirk well bedded sediment. 153-159 Fractured and containing 2"narrow bluish quartz veing Green and brown banded sediment showing a very little shearing.	and
quartz stringers. and little pyrrhotate. Highly silicified band appearing as bluish grey quartz but showing rements of bedding. Some fracturing with tournsline pxxxxx. pyrrhotite. Grey to dirk well bedded sediment. 153-159 Fractured and containing 2"narrow bluish quartz veing Green and brown banded sediment showing a very little shearing.	and
Highly silicified band appearing as bluish grey quartz but showing rements of bedding. Some fricturing with tournsline exxists. pyrrhotite. 156 - 159 Grey to dirk well bedded sediment. 153-159 Fractured and containing 2"narrow bluish quartz veing Green and brown banded sediment showing a very little shearing.	
showing remnents of bedding. Some fracturing with tourmaline axxixe. pyrrhotite. 156 - 159a Grey to dirk well bedded addiment. 153-159 Fractured and containing & narrow bluigh quartz veing Green and brown banded addiment showing a very little shearing.	
pxxxxx. pyrrhotite. 156 - 1595 Grey to dirk well bedded sediment. 153-159 Fractured and containing Bunarrow bluish quartz veing green and brown banded sediment showing a very little shearing and brown banded sediment showing a very little shearing green and brown banded sediment showing a very little shearing green and brown banded sediment showing a very little shearing green and brown banded sediment showing a very little shearing green and brown banded sediment showing a very little shearing green and brown banded sediment.	
156 - 159% Grey to dirk well bedded sediment. 153-159 Fractured and containing & narrow bluish quartz veing Green and brown banded sediment showing a very little shearing fracturing Conseional quartz stringers.	
153-159 Fractured and containing 2"narrow bluish quartz veing 591 - 166 Green and brown banded sediment showing a very little shearing fracturing Conseional quartz stringers.	
591 - 166 Green and brown banded sediment snowing a very interest should be sediment showing a very interest should be sediment showing a very interest should be sediment.	• ,
1 I forestunding Open alonal Charts Attinselse ! !	ng
and tracturing obtained annathungs thin years king of	
5.2.2. 3.2.3 : A.S. 3.4.50 KMANA GOATMOATT MASSPEN HOURLINGHING MANA TYLI MANI MANI Y	uartz
166 - 171 Oreenish brown sediment? Sheared appearance with very truly to blobs and stringers.	
171 - 174'10 Oreen and dark banded tuff? Garnetizerous, fractured and	
containing occasional blue quartz stringers.	
And roote introver ever children mediment? With Idint Greenich times	in
octions. Little fracturing at 178' and 182' with narrow	
irregular quartz atringers. This band resembles a sheared	•
rhyclite in sections.	
916 - 209 Green and grey banded sediment slightly silicified in ection	s wit
916 - 209 Green and grey banded sediment slightly silicified in ection some fracturing and blue quartz stringers. A few garnets evi	dent
neur 205' •	
cherty bands, a few green ones and some dark. A very little	
I musulatita muaganta	
and loss bullions and mont with green bonds mote prominents A IGW EUIN	ets.
a very little fracturing and occasional blue quartz stringer	8.
223 - 224) Highly garnetiferous.	}
and and a second of the second	
	luis
muranan meminyara.	
one one I down and brown bonded sediment? A little shearing and a lev	qua
I came again dinam handa handiing lessievident 10%019 CN: Ol 1	ecti:
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the section of the se	4 I DO
i a la milata de compande de la martin de la martin de la companda de la companda de la companda de la companda	
	W P.O.O.
pyrite and pyrrhotite is evident associated with the quartz	tion
	•
areal admit and which the participation of the property of the	t par
I an acceptant all and accept and all and all and acceptance and a	Ψıı
I encatured Frir nurrhotite and Dyrite mineral justion Bonora	ļly
I also the Many amoll propose of Vallett St. 606 3"	1
2831 - 2981 Grey to blue grey rhyolite. Fracture i irregular contact zon	œ
1	1
	strin
2981 - 317 lark grey sediment with slight fractiffing and white quarts stringers.	1
DIS-DIA PITOTA BURGATION	1

DIAMOND DRILL REPORT Hasaga Koval-Ohman Option

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

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

Sample	December	Footage	Width	Ass	
No.	Description	rootage	MIGGII	Qz.	Value
317-376}	Grey to dark grey sheared chyolite min Numerous blebs and specks of carbonate Little very fine mineralization mainly	- (defor	med amyg	(fules)	
	coarse muscovite. 324' - 2" white quartz vein. 348-354 Well fractured coarse grained and pyrrhotite. Numerous white quartz pyrite inplaces.	rhyolite stringers	with fin and vei	e pyri ns fai	te r
	In last 15' some sections are very do altered sediments.	btful rhy	blite -	probab	ŢУ
376½-382½	Fairly well banded grey brown sedimen	I .	1	1	1
3821-4001	Phyolite? medium grained in first threapparently sheared (flow structures)	1	1	ľ	1
	3911-393 Breccia zone with considerab pyrite.]	seno-
	394-396 Fractued with introduction of and partial digestion of rock. Cherty Some sections from 386-400} possibly	appearance	₽ •	i	
400½-423 423-457	Brown sediment with numerous quartz a Dark sediments, greywacke with numero	nd quartz	parbonat	te str:	ingers. ers.
423 437	some silicous and sherty sections.				
457-460 <u>1</u> 460 <u>1</u> -474	Broken core, mainly white quartz with Quartzite with occasional narrow band 4701-4721 Considerable fracturing with	l darker s	ediment.	1	
474-478	pyrite mineralization. Sediments, silicified and intruded by	little r	hyolite.	Well	
470 400	fractured and filled with white quart mineralization. Rhyolite - well fractured 480-483, 48	i	i		
478-490 490-493}	veins. Fair pyrite and pyrrhotite. Fractured, silicified, intruded seding	nents.			
493}-505	Well banded sediments. Green brown be heavy pyrrhotite mineralization.	ands in fi	rst 2 fe	et wit	h
	497-502 Dark sediment with quartz sta 502-505 Green and brown banded.	ringers.			
	End of Hole 505'				
	DUPLICAT	l l			
	POOR QUALITY TO FOLI		HL		

DIAMOND DRILL REPORT.

HyS..GA Koval-Ohman Option.

Hole No. D.D. Garage 4

Place Location Direction Date

Sample				
No.	Description	Footage	Width	Oz. Value
317-37612	Numerous blebs and specks of carbonst Little very fine mineralization mainly coarse muscovite.	e - (defo	rmed amy	dules)
	324' -2" white quartz vein.			
•	348 - 354 Well fractured coarse grain	ed rhyoli	to with	ine pyrite
	and pyrrhotite. Numerous white quartz pyrite in places .	. stringer	B and Ve	rus Iur
,	In lest 15' some sections are very do	ubtful rh	volite -	probably
***** *** **************************	alterd mediments.			
3761 - 3921	Fairly well banded grey brown sedimen and quarts carbonate stringers.	t with nu	merous n	arrow quartz
3821 - 4001		ce feet -	then fi	her and
	apparently sheared (flow structures)			
•	391;-393 Breccia zone with consideral			
	pyrite. 394-396 Practured with introduction of	f spatite	? on fra	tures
	end partial digestion of rock. Charty	appearan	co.	
4001- 423	Some sections from 386-400; possibly wrown sediment with numerous quartz a	altered a	ediments	te et vinnene
423 - 457	Tark sediments, greywacke with numero			
	Some silicious and cherty sections.		_	
157 1601	435-437 Dyke		~	
457 - 460à 460à - 474	Broken core, mainly white quartz with Quartzite with occasional narrow band			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	사기이는-472h Considerable fracturing wi			
1m1 1m0	pyriteminrulization.	344434		
474 - 478	Rediments, silicified and intruded by fractured and filled with white quar			
•	mineralization.	1		
478 - 490	Ehyolite - well fractured 489-483, 40	\$7-489. Ni	merous w	hite quartz
490 - 4935	veins. Tair pyrite and pyrrhotite. Fractured, silicified, intruded sedi:	j nents-		
4931 - 505	"ell banded sediments. Green brown b		rat 2 fe	et with
	heavy pyriters pyrrhotite mineraliz	htion.	1	
	497-502 Dark sediment with quartz at 502-505 Green and brown banded.	ringers.	1	
	Company of octa with provide participations	1		
	End of hole 505°		•	
•	•			
				\ \ \
· Di	No.			``.
•	' · · · ·			
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DIAMOND DRILL REPORT.

MAS.GA Moval-Ohman Option.

Hole No. D.D. 35 Page 4

Place Location Direction Date

Sample	Description	Footoge	Wi Jer	Assay Oz. Value
No.	Description Junto de la la la la la la la la la la la la la	Footage	ATO DE	VZ. VALUE
1-3761/2	www.roug blaha and specks of caroonst	e - (defo	rmed amy	dules) 🐇 🗀
	little very fine mineralization mainl	y pyrite	and pyrrl	otite. Som
	coarse muscovite.			a la la la la la la la la la la la la la
**	The state of the s		1	
	1 9/0 - sch mall fractured control grain	ed rhyoli	to with	fine pyrite
	and pyrrhotite. Numerous white quarts	stringer	s and ve	ins fair
		· .	I	
	In lest 15, some sections are sead qu	ubtful rh	volite -	probably
	· · · · · · · · · · · · · · · · · · ·)	i	1 1
- 3921		t with nu	perous b	arrow quart
وعرر ب	tiiliaa aaka aambamata atribarara	1	,	4 L
£ - 400}		ee feet -	then fi	her and
		1	1	4 1
	3913-393 Brecois zone with consideral	le muscov	ite and	powe greens
•	1 3 2 2 3 4 A	1	1	i i
	304-396 Practured with introduction	df apatite	on fre	ptures
	l and number distance time of rocks Chart	v abocarar	1C 🖰 •	1 i
	1 (1-1	initered (317 C L TO SEE	
ት 423	i a addiname with numerous ouerly	ADO UUACSA	n car nome	IND BAY PINCH
3 - 457	Tark sediments, greywacke with numer	dus narroy	quartz	stringers.
) - 451	Some silicious and cherty sections.	1		<u> </u>
-	1 have been maken	ţ		
7 - 460à	Tracken onne moinly white Ouertz Wit	h rock fro	ugaents.	Little pyr
1 - 474	l	n gerker	Beu inen c)
2	4703-472% Considerable fracturing wi	th white (quartz ve	phing Fin
		1	1	
14 - 478	i callacate stilled the interior	j little	myolite	WeTT
	fractures and filled with white quar	tz. Some	pyrite a	nd pyrnnoti
	atmamolitzation.	1	i i	1 1
78 - 490	Physitte - well fractured 489-483, 4	187-489. N	nmerone .	white quart
, - , , , ,	vaine, vair nurite, and pyrrhotite.		1	1
0 - 493	:	l‡ents•		
3 1 - 505	i ratt bendad sediments. Green brown i	ornor in i	uret 2 I	eer altu
) harvy mystrays pyrrhotite mineralla	cacion•	ļ	1
•	AG7=502 Dark sediment with quartz #1	tringers.	1	
	502-505 Green and brown banded.		1	1
			1	}
	End of hole 505°		1	
		1	}	
			ţ	1 1.
		.		
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DIAMOND DRILL REPORT Hasaga

POOR QUALITY ORIGINAL TO FOLLOW

Koval-Ohman Option

Hole No. D.D. E-40....

Place Surface Location 6807.7E Direction Date Sept.9/54.

DTD1 0 00	Di	o;	0 '	-30	O
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Dip; 0' -30°	,				
Sample				Ass	ay
_ No.	Description	Footage	Width	Qz.	Value
33015	Silicified sediment with quartz				
33013	stringers.	18~20	24"		1.05
46	Silicious sediment.	20-22	24"		0.35
16	Fractured silicified sediment with nu-				
10	merous 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		ŀ	Į.	
40	with quartz stringers.	30-32	24"	 	nil
19	Fractured rhyolite medium grained				
1,5	with quartz stringers.	32-34	24"	1	5.60
49	Grey rhyolite more massive.	34-36'9	33"		0.70
20	Well fractured rhyolite with numerous		i		
	quartz stringers. Pyrite in gash]	ł	1
	fracture in quartz.	36'9-38'3		Į	1.75
50	Ditto	38'3-40	21"		nil
21	Fractured rhyolite.Pyrite slips.				_
	Ouartz stringers.	40-42	24"		3.15
51	Well fractured with quartz stringers.	42-44	24"		2.45
52	Ditto	44-46	24"	1	2.10
22	Fractured rhyolite. Fair pyrite	1 _			
	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	1]	}	7 70
	pyrite.	52-54	24"	ļ	7.70
33360	Silicified sediment grey, Little	5. 563	30"	1	9.45
	mineralization. Rusty fractures.	54-56}	36"	!	3.15
61	Silicified sediment, quartz stringers	1561-591	42"	Ì	2.45
62	Ditto less alterations.	59}-63	24"		3.85
33024	Brown sediment with quartz stringers.	63-63	1 24	1	3.05
		1		}	
0-4	Casing Dark grey sediment. Leached in places	Ouartz	stringers	lat 1	and
4-19	18'. Lighter in color and more silici	due from	la Titt	e fi	n
	18', highter in color and more strice	005 110			T
10 22	arsenopyrite near quartz stringers. Fractured silicified grey sediment.	yrite.pv:	rrhotite	and f	ihe
19-32	arsenopyrite mineralization in areas	of strong	est fract	uring	
	27\-3" rhyolite?	1			
	28½-29 -6" Rhyolite?	ĺ		}	į
	27-32 Numerous quartz stringers.		1		ļ
20 501	I can wall fractured thyolite. Some Se	etions ve	rv]	
32-50}	I similar to 320 in hole E=33. Numerous	: guartz S	tringers	. from	B1-32
	1 and from 42=43. Purite and purrhotite	elevident	as line l	mrnera	TESUCION
50}-63	Dark sediment, greywacke Somewhat sil	licified.	Quartz s	tringe	rs at
202-02	51-51,53,55,56,58,60. Leaching and	ust aroun	d 57'		
63-65	Silicified brown sediment with quart:	stringer	s		
65-67}	Greywacke. 671-68 Ground.	1	1		
68-69'9	Dyke 69'9 - 70 Greywacke	END OF H	ote 70'	-	
00-03 7	byne of a crojudono	I	•	ı	•

DIAMOND DRILL REPORT.

HASAGA Koval-Ohman Option

Hole No. D.D. E-49...

Logged by J.C.S.

Location 6307.7 E Direction 220 E Date Sent9/54.

Elevation 4996.6 Place Surface.
Dip: 0' -30°

Sample No.	D			Assay
	The manual make a m			vosal
	Description	Footage	Width	Qz. ¡Value
33015 Sili	oified sediment with quarts			· ·
T - 1	ngerø.	18-20	24"	1.05
	cious sediment.	20-22	24"	0.35
	tured selicified sediment with m	-	Į	
	us quartz stringers.	22-24	24"	1.40
47 Ditt		24-26	24"	2.45
	o. Little fine mineralization.	26-28	24"	0.70
18 litt		28-30	24"	4.55
48 Frac	turā rhyolite medium grained			1
	quartz stringers.	30-32	24"	nil
	tured rhyolite medium grained		- 1	
	quartz stringers.	32-34	24"	5.60
49 Grey	rhyolite more massive.	34-36.9		0.70
20 Well	fracture rhyolite with mumerous	1 , , ,		1
	tz stringers. Pyrite in gash			
	ture in quartz.	36'9-38'3	18" {	1.75
, - · ·	•	38 5-40	21"	nil
50 Ditt		ا مدر مر	~~	••••
	d rhyolite. Pyrite on slips.	40-42	24"	3.15
	tz stringers.	1	2411	2.45
- 1	fractured with quartz atringers	44-46	24"	2.10
52 Titt		44-46	~	2.10
	turd rhyolite. Fair pyrite	4€-48	24"	9.45
1	ralization.		244	2.80
53 D1tt		48-50	24"	1.40
	cified greywacke.	50-52	24	1.40
	cified greywacke. Little fine			7 70
pyri		52-54	24"	7.70
33360 5113	cified sediment grey. Little	-1 -61	7011	0.45
j mine	rolization. Rusty fractures.	54-563	30"	9.45
61 5111	cified sediment, quartz stringer	4-503-594	36"	3.15
	to- less alterations.	592-63	42"	2.45
33024 Brov	on sediment with quartz stringers	63-65	24"	3.85
			1)
0 - 4 Can	lng.	}		
4 - 19 Dorl	k grey sediment. Leached in place	e. Quartz	stringer	e at 117' and
18*	. Lighter in color and more ilici	dus from 1	晓"。L1tt	le flik
ars	anopyrite neur quartz stringers.		1	
19 - 32 Fra	ctured silicified grey sediment.	pyrite, py	prinotite	and fine
8.7.8	nopyrite mineralization in areas	of stronge	est fruct	uring•
275	- 3" hyolite?		1	
283	-29 -6" Ehyolite?	Ì	1	
27-	52 Numerous quartz stringers.			1 \ \
32 - 504 Gre	y well almorulized fractured rhy	dlite. Son	me setion	s very
84m	llar to 320 in hole E-33. Numerou	is quartz i	stringers	ь froщ 31-32
and	from 42-43. Pirite and pyrrhotit	d evident	as fine	hiner lizatio:
50k - 63 Dar	k adiment, greywacke Somewhat 813	.icified. (Quartz st	ringers at
FI = FI =	514, 53,55, 56, 58, 60. Leaching	and rust	eround 57	
63-: 65 511	icified brown sediment with quart	d stringr	B •	
	ywacke. 67%-68 Ground.	i i	1	
	ke 69'9 - 70 Greywacke	End of he	ole 70°	
	The state of the s	ļ	. [

DIAMOND DRILL REPORT

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Hole No. D.D.E-41

N 4666.2

Logged by J.C.S.

Place...... Location...5000.0... Direction..s.22.E... Date

E 6764.8

Dip: 0' 30

Sample		T	m Jet	Ass	
No.	Description	Footage	Width	Qz.	Value
32265	Rhyolite - slight fracturing	$4-6\frac{1}{2}$	30"		1.05
66	Ditto	61-9	30"		nil
67	Ditto	9-11-	30"		nil
68	Fractured contact zone	113-123	12"		nil
69	Grey to dark sediment with			i	
	occasional quartz stringers	12,-15	30"		nil
70	Ditto	15-17}	30"		nil
71	Ditto	173-20	30"		nil
72	Ditto	20-22}	30"		nil
73	Ditto. Little arsenopyrite	223-25	30"		nil
74	Ditto	25-27	24"		nil
75	Ditto	27-29	24"	1	nil
76	Ditto	29-31	24"		nil
77	Ditto with quartz stringers and	ļ		Į.	
	little pyrrhotite	71-32	12"		nil
78	Dark sediment with occasional			1	
	quartz stringers.	32-34	30"		nil
79	Ditto	34}-37	30"		nil
80	Ditto	37-39	24"	1	nil
81	Ditto	39-41	24"		nil
82	Ditto with quartz stringers and				"
	little arsenopyrite	41-43}	30"		nil
83	Greywacke? Dark sediment as before	434-47	42"		1.40
84	Rhyolite	47-50	36"	1	7.00
85	Ditto	50-52}	30"		8.75
86	Ditto	52}-55	30"	1	10.1
87	Ditto - better fracturing	55-57}	30"		10.1
88	Ditto	573-60	30"		2.10
89	Ditto	60-62}	30"		nil
90	Ditto	62] -65	30"		nil
91	Ditto well fractured	55-66}	18"		0.70
92	Well fractured silicified dark				
	Rhyolite?	66}-68	18"		2.45
93	Well fractured silicified sediment	59 6-72	30"	ļ	2.45
94	Ditto	72-73'8	20"	1	2.45
95	Silicified sediment	74-76}	30"		0.70
96	60% white quartz	763-773	12"		1.75
97	Highly silicified sediment	77}-80	30"		8.40
	Casing				
.1 }	Coarse rhyolite similar to 310'		\	ļ	
	in hole E-33	1	1		
-12 <u>1</u>	Dark sediment - rhyolite contact				
	zone fractured with quartz stringers	,	1		1
-18	Rhyolite finer grain (sed)				
-47	Dark to grey greywacke white quartz	at 141, 23.	- 1		- {
	26 and 35 Groups of stringers in f			В2' а	nd
	from 41-43}	ļ			1
	24-25 Rhyolite? little arsenopyrite	especially	hear zo	nes of	
	quartz stringers.	-	1		1
			1	}	1
		I		ł	ı

HASAGA GOLD MINES LTD.

DIAMOND DRILL REPORT

BEN LAKE

Hole No. E-41

N 4666.2 .

Logged by J.C.S.

5000.0 E 6764.8 LOCATION

Direction

S 22 E

Sample	Dip: 0'-30		100 3 4 3-	Assay
No.	Description	Footage	Width	Oz. Value
322 65	Rhyolite - slight fracturing	1.61		
66	Ditto	4-6}	30"	1.05
. 67	Ditto	62-9	30"	nil nil
68	Fractured contact zone	9-113	30"	nil
. 69	Grey to dark sediment with	113-125	12"	nil
	occasional quartz stringers		•	
70	Ditto	123-15	. 30"	, nil
71	Dito	15-17}	30"	nil
72	Ditto	178-20	30"	nil
73		20 -22	30"	nil
74	Ditto. Little arsenopyrite	222-25	30"	nil
75	Ditto	25-27	24"	nil
76	Ditto	27-29	24"	nil
77	Dictor	29-31	24"	nil
11	Ditto with quartz stringers and			
78	Title pyrrhotite	31-32	. 12"	nil
, 10	Dark sediment with occusional,		. = 4	1177
. 70	quartz stringers.	32 - 34}	30 ⁴	nil
- 79	Litto	34 1 -37	30"	nil nil
80	Ditto	37-39	24"	
. 81	Ditto	39-41	24"	nil
85	Ditto with quartz stringers and) J L	۲۰۶	nil
	Litte Ersengbyrita	41-43 à	704	
83	Greywacke? Dark sediment as befo	マルーサンダ	30 " 42"	nil
84	Rhyolite	47 ÷ 50		1.40
85 86	Ditto		36"	7.00
36	Ditto	50-523	30"	8.75
87	Ditto - better fracturing	523-55	30"	10.15
88	Ditto	_ <u>5</u> 5-57 1	30"	10.15
89	Ditto	573-60	30"	2.10
90	Ditto	60-62}	30"	nil
91	Ditto well fractured	62}-65	3 0"	nil
85	"Pall for at unad add - 4 me	65-663	. 18#	0.70
	Well fractured silicified dark hyolite?			• -
93		¢6 à−6 8	18"	2.45
"	Well fractured silicified.sedim-ent.			
94		69'6-72	. 30"	2.45
95	Ditto	72-73'8	20"	2.45
96	Silicified sediment	74-76 }	304	0.70
	60% white quartz	76 <u>₹</u> -77₹	12"	1.75
97	Highly silicified sediment	775-80	30"	8.40
0 - 4	Casing	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	,	0.40
4 ~ 11함	Coarse rhyolite similar to 310'	· · · · · · · · · · · · · · · · · · ·		
	in noie E-33			
1출 - 12출	Dark sediment - rhyolite contact		٠	• •
-1:	zone fractured with quarts string	zera.		•
2출- 18출	Rhyolite finer grain (sed)	J-4 W+	•	
81 - 47	Dark to grev grovmacke white our	new ne 5 h.L	^7	
	260, and 35' Grouns of states	TOO NO TAR!	در. - م	
_	26h, and 35 Groups of stringers from 41-43h	in iracture	s from 31	. to 32' and
	24 - 251' Rhyolite? Little arsend quartz stringers.	pyrite espe	cially ne	ar zones of
	Jame in novilials	•	•	

DIAMOND DRILL REPORT

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

Place...... Location. Direction Date

Sample				Assay
No.	Description	Fourage	Width	Qz. Valu
-66} }-76}	Rhyolite fine to medium fine grain of Fractured with small blue quartz strarsenopyrite mineralization where fracture? Highly silicified and fractures. 68-69'6 Ground Mainly white quartz	ringers. Occ ractured. ctured sedim	ensional :	ine pyrite
-80	Highly silicified sediment with nume	erqus bluish	and a fe	w white
-86'3	quartz stringers. A little very fine Greywacke - dark finely banded sedin stringers.	e arsenopyri	casional	quartz
	END OF HOLE. 86'			
	DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW	-		

HAS.GA GOLD MINES LTD.

DIAMOND DRILL REPORT

BEN LAKE

Hole No. E-41 Page 2

Logged by

LOCATION

TION Direction

D1p:						
Sample No.	Description		Footage	Width	Asscy Oz. Value	
\$ 2- 66 1	Rhyolite fine to Fractured with sm arsenopyrite mine	all blue quart	z stringers	Occesions	color.	
661-761	Rhyolite? Highly on fractures. 68-69'6 Ground				Fair pyrite	
763-77	Mainly white quar	tz.				
761-77 77-80	Highly silicified sediment with numerous bluish and a few white quartz stringers. A little very fine argenopyrite.					
80-86'3	Greywacke - dark stringers.				nal quarts	
	and of hole 86"		• .		•	

and of hole 86'

DIAMOND DRILL REPORT

Hole No. D.D.

Place..... Location., Direction Date

	Description	Footage	Width	Ass	
No.	Description	rootage	WIGEN	Qz.	Value
33055	Cherty sediment	3-44	18*		,,,
5 6	Dyke with quartz stringers.	5-6'7		Ì	10.8
57	Cherty band.		19"		nil
58	Dank and mank with and	6'7-7'10	15"] 1.05
56	Dark sediment with good arsenopyrite			[
	mineralization.	7'10-8'10	12"	1	nil
59	Fine grey sediment arsenopyrite and			Ì	1
_	pyrite	10-12	24"	i	nil
60	Badly broken grey sediment with quart	z			i
	stringers and considerable pyrite.	12-13'8	20"		0.35
61	Dark sediments with blue quartz	1-2 - 1-3 - 0		1	0.33
	stringers. and arsenopyrite	15-17}	205	d.	
62	Ditto		305		1.05
63		173-20	30"	Ī	1.75
03	Cherty sediment - 21-22 Dark with goo		İ		
	arsenopyrite.	20-22}	30"		nil
64	Cherty sediment badly broken.	223-25	30"		2.80
65	Cherty-considerable quartz	26-27	18"]	0.70
66	Silicious sediment. A little massive	1		ļ	
	pyrite on fractures.	28-30	24"		3.50
67	Ditto	30-33}	42"		
68	Dark sediment with a little arseno-	20-223	72		0.70
		1, 2, 25,		1	
69	pyrite.	33}-35 }	24"	1	0.70
69	Dark sediment with a few garnets.		1		1
	Little fine arsenopyrite.	36'9-39'3	30"	1	1.40
70	ditto	39'3-42	33"		1.40
71	Dark and green banded sediment.	42-443	30"	1	1.05
72	Ditto	443-47	30"		4.55
73	ditto	47-49	24"	1	4.90
74	Ditto	50-53	36"		
75	Grey to brown sediment. Little	P0-33	30	1	0.35
	pyrrhotite.	1	1	1	1
7.0		53-55}	30"	}	0.70
76	Darker and sheared with quartz			1	1
	stringers.	55}−58	30"		1.40
77	Dark sediment.	593-62	30"	1	nil
78	Ditto	62-64	30"	1	nil
79	Ditto	641-67	30"	1	nil
80	Dark and green banded sediment.	68-70}	30"	1	nil
81	Ditto	701-73	30"		
82	Ditto	73-75		1	nil
83	Ditto		30"	1	nil
	1	75}-78	30"	1	nil
84	Ditto	78-80'4	28"	1	nil
85	Garnetiferous band.	B0'4-81'9	17"	i	2.80
3	Casing		į	1	
4 }	Very light cream or greenish colored	sherty sed	iment. Co	ore ba	ahv
-	broken.				-r,
-5	Ground	1	1	1	
5 7	Quartz diorite dyke. 3" white quartz	Janin	di in	, 	L = -
7-7 ' 10		at a. NOI	PLIC!	NIE	COF
, - / 10	Light cherty band.	POOT			
			QUAL	ηΥО	жIGIN
			TO FO		

DIAMOND DRILL REPORT. ROVal-Ohman Option

Hole No. D.D. E-42...

Logged by J.C.S.

Place Wifige... Location Direction Date Sept 10/54

Sample	Descriptor	Panks	707.2.4.1	Assay
No.	Description	Footage	waath	Oz. ¡Value
		~ 41	18"	
330 55	Cherty adiment.	3-43 5-67		10.85
56	Dyke with quartz stringers.		19"	nil
57 58	Cherty band.	6'7-7'10	15"	1.05
58	Dark sdiant with good arsonopyrite	Ĭ	3	
•	mineralization.	7'10-8'1d	12"	nil
59	Fine grey sediment arsenopyrite and		1	
73	pyrite.	10-12	24"	nil
60	Badly broken grey sediment with quar		'	
ω		12-13'8	201	0.75
	stringers and considerable pyrite.	15-12.0	20	0.35
61	Dark sediments with blue quartz	1, 1		
_	stringers. and arsenopyrite.	15-173	30 "	1.05
62	Ditto	173-20	30"	1.75
63	Cherty sediment -21-22 Dark with good	4		•
_	arsenopyrite.	50-557	30 "]	nil
64	Cherty sediment badly broken.	227-52	30"	2.80
65	Cherty - considerable quartz.	26-27	18"	00.70
66	Silicious sediment. A little massive	1 20-213		337,6
00	pilicious socimentes & licele manuale	28-30	2411	3.50
6.00	pyrite on fractures.			
67	Ditto	30-333	42"	0.70
68	Dark sediment with a little arseno-	,,		
	pyrite.	33}-35}	24*	3.70
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.	42-443	. 30"	1.0
72	Ditto	445-47	3ŏ"	4.5
	Ditto	47-49	24".	4.90
73				
74	Ditto	50-53	36"	0 - 3!
75	Grey to brown sediment. Little	1		
	pyrrhotite	53-551	30 "	1 0.70
76	Darker and sheared with quarts	}		1 '
	stringers.	551-58	30°	1.4
77	Dark sediment.	59}-62	30"	nil
77 78	Ditto	62-641	וי תצ	1 n17
79	Ditto	643-67	30"	nil
80		68-70 1	30"	nil
	Dark and green banded sediment.		20.	
81.4		703-73	30"	nil
82	Ditto	73-754	30"	nil
83	Ditto	751-78	30"	nil
. 84	Ditto	78-80'4	28#	nil
85	Garnetiferous band.	\$0, 4-81 9	17"	2.80
- 3	Casing.		[
- 4 <u>b</u>	Very light cream or grenish colored	cherty sed	iment. (ore badly
•	broken.		}	
_			•	1 . 1
- 5	Ground.	وم مد ا	1	
- 6'7	Quartz diorite dyke. 3" white quartz	ar D.		
- 7'10	Light cherty band.	1		
		<u> </u>		
		1	j .	1

DIAMOND DRILL REPORT

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

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

Sample	Description Footage Width Assay
No.	Description Footage Width Qz. Valu
10-8'10	Cherty to dark sediment with good coarse arsenopyrite.
10-10	Quartz diorite dyke.
0-13'8	Grey slightly silicified sediment with few cherty bands. Little
	arsenopyrite.
8'8-15	Ground
5-20	Dark banded granular sediment with bluish quartz stringers and
	fair arsenopyrite. Some pyrite.
0-28	Light silicious sediment fractured and with considerable quartz
	near 26'. Core badly broken. Fair to good arsendpyrite.
	25-26 and 27½-28 Ground
3-33}	Darker silicious sediment. Occasional garnet in darker bands
31-42	Grey to dark sediment with occasional parnets. Little fine pyrhot:
27 45	and arsenopyrite.
	351-36'9 Dyke Arsenopyrite on contacts.
2-53	Dark and green banded sediment? lightly sheared A few garnets
255	in first three feet.
	49-50 Ground
3-59}	
2-234	Dark grey to brown sediment with occasional blue quartz stringers. 57-57 Dyke.
	58-59 Ground
	59-59 Sheared
01.67	
91-67	Very dark sediment with occasional green bands. A little very fine
	mineralization.
	66-66'9 dyke
0 0014	67-68 Ground
8-80'4	Dark and green banded sediment with occasional quartz stringers.
0'4-81'9	Fractured garnetiferous band a little pyrite and arsenopyrite.
	END OF HOLE 81'9"
	END OF HOLE 81.9"
	DUPLICATE COPY
	DOPLICATE COPY
	POOR QUALITY ORIGINAL
	TOALITTORIGINAL
	TO FOLLOW

DIAMOND DRILL REPORT. HASAGA Koval-Chman Option

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

Place Surface... Location Direction Date

Sar	ממו	l e			j	As	39ay
	No.		Description	Footage	Width		Value
7130	_	817	Cherty to durk sediment with good of	arse arse	nopyrite		
מריו	•	30	Cuartz diorite dyke.	ļ :			
10	-	13	3 Grey elightly milicified mediment wi	th few ch	erty ban	e. Li	ttle
		į	araenopyrite.			'	
3'8	-	15	Ground.				
15	-	20	Thirk banded agranular sediment with fair arsenopyrite. Some pyrite.	ornisu da	Hrtz atr	rußars	arid.
20	_	28	Light silicious sediment fractured a	nd with o	onsiders	ble or	artz
20	_	20	near 26'. Core badly broken. Fair to	good are	enopyrit		
			25-26 and 271-28 Ground.	B 000 = 2		ĺ	1
28	-	33	Darker silicious sediment. Occasions	l garnet	in darke	r band	8.
331	-	42	Grey to dark sediment with occasions	1 garnets	Little	fine	pyrrh
		į	and arsenopyrite.		İ		}
			353-36'9 Dyke Arsenopyrite on contac	378.	٠, ٠,	- ~~~	
42	-	53	Dark and green banded sediment? light in first three feet.	ICTA SUGEL	an. Tre	Barr	
			49-50 Ground.	1		!	\
53	-	59	Dark grey to brown sediment with occ	f Lanoisa	lue quar	tz st	inger
		.	57-57 Dyke	ļ		}	·
			58-59 Ground	Į.		1	l
_		_	59-59) Sheared.				
59}	-	67	Very dark sediment with occasional	green band	8. A 110	CTO A	dra 17
			mineralization.		1	Ţ.	1
			66-66'9 Dyke 67-68 ground.	•	[Ī	1
68	_	80	4 Dark and green banded sediment with	loccasions	al quartz	stri	ngers.
8014	-	81	9 Fractured garnetiferous band a litt	ie pyrite	and arse	nopyr	ite.
			End of hole 81'9"	ļ		}	
			I'M OI HOLD OZ 9	}_			
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DIAMOND DRILL REPORT DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

Hole No. D.D. E=43....

5112.0N

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

Dip: 01 -30°

Sample		Dip: 0		Ass	av
-	Description	Footage	Width	Qz.	Value
No.	·			- Vz.	value
33118	Fine grey green to brown sediment.	3-5	24"	<u> </u>	nil
33225	Grey sediment, bluish grey quartz			Į	l
	stringers. Little pyrite and pyrrh-				
		5-7}	30"	Ì	nil
33119	Sediment.	71-10	30"	}	nil
20	Sediment.	10-11'7	19"		1.05
21		13-17'6	54"		nil
22	Sediment	19'6-22'6			nil
26	Tuff? Green and brown banded. Little]		
		22}-25	30"	}	1.05
23	Sediment.	25-26	14"	1	0.70
33227	Highly silicified band	26-29	36"	į	4.90
33124	Sediment.	29-32	36"		1.05
25	Ditto.	32-35	36"		0.70
26	Ditto	35-38	36"	1	0.70
27	Ditto.	38-41	36"		0.35
33228	Dark sediment, bluish quartz stringers	50-41	30		0.35
3320	and little pyrrhotite and arsenopyrite	12-451	30"		ا می
29	Ditto		30"		0.35
33128	Sediment.	451-48			1.05
29		50-54	48"	Ì	7.00
33230	Ditto	55-57	24"	1	4.55
33230	Dark and green fractured with blue				l
22120	quartz stringers and little pyrrhotite		24"		3.15
33130	Sediment.	59-62	36"]	1.75
31	Sediment.	62'6-66	42"	1	nil
33231	Dark sediment.	66-68}	30"		0.70
33232	Ditto.	68}-71	30"		nil
33132	Sediment.	71-75	48"		nil
33133	Sediment.	75-78	36"	1	nil
34	Ditto	78-81	36"		nil
35	Ditto	81-84	36"	1	nil
36	Sediment.	84-86	24"		nil
33233	Fracture zone, pyrite and pyrrhotite	86-881	30"		nil
33137	Sediment.	88-91'8	44"	1	nil
		100 32 0	1	1	
-3	Casing		Ì		
-20 <u>1</u>	Grey fine grained sediment with occasi	.фnal cher	ty band.	Some (green-
	ish bands. Little pyrrhotite.	1		Ţ	1
	3-3⅓ Rhyolite? very light color.	1			1
	11'7-12'9 Dyke	1	ì		
	14}-1" quartz stringer.	ĺ		ŀ	ļ
	171-191 Dyke	}		-	}
11-26	Coarse grained sediment with more irre	edular bed	ding. Tu	ff? Gr	een
•	and brown banded.	Juliu Dou		1	~T''
-29	Very highly silicious sediment. Rust of	n fractur	ek Bluis	ek ana	r = 2
••• 3	stringers.	Traccur	es. Diul.	su qua	11"
-37'3	Brownish rather coarse grained sedimer	40			
JEJ	browntan racher coarse dramen seatmen	145.	- [
		[
			Į	1	1
		Ĭ	•	ı	1

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option.

Hole No. D.D. R-43...

5112.0N

Sample No. 33118 33225	Description	Footage		Assay
33118	pagerractor	LEDATORA		
		PUVVAKE	Width Oz	. Value
	Fine grey green to brown sediment.	3-5	24*	nil
י כייייייייייייייייייייייייייייייייייי	Grey sediment, bluish grey quartz		·• Y	
ı	stringers. Little pyrite and pyrrh-	1	1	1
}	otite.	5-73	30"	nil
33119	Sediment.	73-10	30°n ∤	nil
20	Sediment.	10-11'7	j 9"	1.0
21	Grey sediment - pyrite.	13-17'6	544	nil
22	Sediment.	9 6-22 6	36*	nii
26	Tuff? Green and brown banded. Little	9 0-22	70	****
	pyrrhotite.	221-25	30" Ì	, 1.0
23	Seciment.	25-26	14"	0.70
33227	Highly silicified band.	26-29	36"	4.9
33124	Bediment.	29-32	36"	1.0
25	Ditto.	32-35	36"	
56	Ditto.	35-38	36"	0.70
27	Ditto.	38-41	36"	
33229	Dark sediment, bluish quartz stringe		ا در	0.3
JJ447	and little pyrrhotite and arsenopyri		{	- {
	and linera blillinging and Winelfohlin	43-45	30"	
29	T1 t = 0 .	45:-48	30"	0.3
33128	Sediment.	50-54	48"	1.0
29	Ditto.		24"	7.0
33230	Derk and green fractured with blue	55-57	24"	4.5
עלאלל	quartz stringers and little pyrrhoti		}	1
	dos. or servingers and Titore barkuorr		24"	
3313 0	 Sediment.	57 - 59 59 - 62	36"	3.1
	Sediment.	62.6-66	42".	1.7
31	Dark godiment.			r.il
33231 33232	Litto.	66-68}	30"	0.7
33232		682-71	30"	nil
33132	Sediment.	71-75	481	nil
331 33	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, oyrite and pyrrhotite		30 <u>"</u>	nil
33137	Sediment.	88-91'8	44"	nil
	, · · · · · · · · · · · · · · · · · · ·	1 1	1	
) = 3	Casing.	} !		· }
5 - 201	.Grey fine grained sediment with occa	sional chep	rty band. So	md Steen
•	ish pands. Little pyrrhotite.			
	3-35 R hyolite? very light color.		ţ	
	11'7-12'9 Dyke		}	
	141 -1" quartz stringer.	1 . 1	(
	172-192 Dyke.			
- 26	Coarse grained sediment with more in	regular be	iding. Tuff?	Green
	and brown banded.	1	1 .	1
	l .aa.a.a	1	. <u>.</u> .	1
- 29	Very highly silicious sediment. Rust stringers.	on fractu	res. Bluish	quartz

DIAMOND DRILL REPORT

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

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

ample		! _		Ass	3 V
No.	Description	Footage	Width		Value
7'3"-43	Green and dark irregularly banded tui	f? sedimer	t?		
2 / 0	41'4"- 42'7" Dyke.		l. .		
3-48	Dark sediment with bluish quartz stri	ingers. Lit	tle pyr	motite	
48-66	Dark and green irregularly banded tu	F ?	Ì		
	49-50, 64-65, 61½-62½, Ground.				
66-71	Dark grey to dark finely banded seding	nent.			
	68'2"- 68'6" Fine grained dyke.				
71-85	Green and brown to dark banded sedime	ent? tuff.	}		
85-86 86-88½	Dark sediment, Finely banded. Well fractured zone with blue quartz	stringers	nurite	and ny	rrhoti
881-911	Green and dark granular appearing, or	nlv minor	anding.	probab	ly tuf
	orden and darin grandlar appointing, or]		-, -,-
	m				
	End of hole 91%;			l i	
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PICKLE CROW GOLD MINES LTD. DIAMOND DRILL REPORT.

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

Place Location Direction Date

Sample				Assay
No.	Description	Footage	Width	Oz. Value
713 - 43	Green and dark irregularily bande to 41 h=42 7 Dyke.	uff? scâlme	nt?	
43 - 48	Durk sediment with bluish quartz strand arachopyrite.	.	ttle pyr:	holtlee
48 - 66 66 - 71	Dark and green irregularily banded to 49-50, 64-65, 614-624, Ground. Durk grey to dark finely banded sed:	ļ		
71 - 85	63°2-68°6 Fine grained syke. Green and brown to dark bunded sedio	•		
85 - 86 86 - 881 881 - 911	Dark sediment, finely banded. Well fractured zone with blue quart: Green and dark granular appearing,	stringers	pyrite	and pyrrhot
	End of hole 911			
	·			
			,	
	-			
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DIAMOND DRILL REPORT

PICKLE CROW GOLD MINES LTD. DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW Logged by J.c.s.

HASAGA

Hole No. D.D. E-44...

Hole No. D.D. E-44... Kovel-Ohman Option Logged by J.C.S. 4574.3 N
Place Surface Location 6911.7 E Direction N22° W Date

Elevation 4999.8 -550 3701 -450

Dip-	-0' -55° 370' -45°				
Sample	Description	Footage	Width	Ass	
No.	Description	Footage	WIGCH	Qz.	Value
33234	Silicified dark sediment.	115-117	24"		2.10
35	Contact zone - mainly rhyolite.	117-1193	30''	•	2.80
36	Ditto	1193-122	30"		0.70
37	Coarse grained rhyolite fair fine	1172-122	30	ł	1 0.70
37	mineralization. Fair fracturing.	122-124	24"		1.05
38	Slightly finer grained not so well	122-124	1		1.03
30	fractured.	124-126	24''	1	nil
39	Coarser grained. Some white quartz	124-120	24		"**
3,7	fair mineralization.	126-128	24"		1.40
40	Finer grained less fracturing fair	120-120	24	1	1.40
40		128-130	24"		0.70
1. 1	arsenopyrite.	130-132	24"	1	nil
41	Ditto.		30"	1	
42	Ditto.	132-1345		1	nil
43	Ditto with white quartz veins.	1343-137	30''	1	nil
44	Rhyolite fractured coarse grained,	127 1201	2011	1	4 75
, -	fair mineralization.	137-139	30"		1.75
45	Ditto	1393-142	30"	1	4.55
46	Ditto.	142-145	36"	Į.	6.30
47	Ditto.	145-1473	30''		3.15
48	Ditto with quartz and quartz carbonat				1
		1473-150	30''		nil
49	Ditto finer grained.	150-152	30''	1	nil
50	Ditto.	1523-155		1	3.50
51	Ditto.	155-1573	30"		nil
52	Ditto.	1575-160		[0.35
53	Ditto.	160-1623	30''		1.05
54	Ditto.	1623-165		1	3.50
55	Ditto with quartz and carbonate veins		30''		1.40
56	Rhyolite medium to fine grained. Fair				
	fine mineralization.	1675-170		ļ	1.05
57	Ditto.	170-1723		1	nil
58	Ditto.	1725-175		1	ni l
59	Ditto. Better fracturing.	175-1773	1		0.35
60	Ditto.	1775-180		1	nil
61	Ditto.	180-1825	30"	l	1.40
62	Dark sediment with white quartz vein-	•	1		
	ing. Little mineralization.	1825-185		1	nil
63	As 33263. Little arsenopyrite.	1924-195		1	nil
64	Rhyolite?	2021-205	30"	1	nil
65	Silicified sediment with numerous				1
	quartz stringers. Very little pyrite.	. 212½-215	30''		3.15
66	Ditto. Less well silicified. Few				1
	fine specks arsenopyrite.	215-2175	30''	1	1.40
67	Fairly coarse "rolled" rhyolite with			1	1
~ •	pyrite and pyrrhotite on small				
	fractures.	227½-230	30"	1	0.70
			-		
			1		į.
			1	-	1
			1		
	I e e e e e e e e e e e e e e e e e e e	1		•	•

DIAMOND DRILL REPORT.

BASAGA Kovel-Ohmen Option

4584.3 N

Logged by J.C.S.

Place .SYTTAGG ..

mple		l i	[AB	вау
No.	Description	Footage	Wiath	Qz.	Value
	and the state of t	115-117	24"	Ì	2.1
3234	Silleified dark mediment.		30"	}	2.8
35	contact zone - mainly rhyolite.	117-1194		į	
35 36 37	Litto.	1139-155	30"	ţ	0.7
37 ;	Coarse grained rhyolite fair fine			1	
ì	mineralization. Fair fracturing.	122-124	241	1	1.0
38	Slightly finer grained not so well			1	
]	fractured.	154-156	241	1	ni:
39	Coarser grained. Some white quartz				_
	fair vinerulization.	126-128	24"	İ	1.0
40	Finer grained less fracturing fair		1		
_	ar senopyrite.	129-130	24"		0.
41	Litto.	130-132	241		ni
42	Titto.	132-134	30"		ni
	Titto with white quartz veins.	1341-137	30"		ni.
53 44	Unyolite fractured coarse grained,	1-2 " -2.]	_		ļ
4.4	fair mineralization.	137-139	30"		l 1.
45	Ditto	1391-142	304		4.
46	vitto.	142-145	36"		6.
		145-1473	33"		3.
47	Titto.	,	- J		١,
48	Ditto with quartz and quartz carbon		724		ni
		1475-150	30"		ni
49	Ditto finer grained.	150-1528	30"		
50	Ditto.	1523-155	30"		3:
51	Titto.	155-1573	30"		ni
52	1.1tto.	1578-160	30"		0.
53	51tto.	162-162	30"		1.
54	Ditto.	1623-165	30 🔭		3.
55	Ditto with quartz and carbonate vel	ne-165-1673	30"		1.
56	Rhyolite medium to fine grained. Fa	112			ł
-	fine mineralization.	1674-170	324		1 1
5 7	Ditto.	170-172	30 H		ni
58	Ditto.	172}-175q	30"		n
5 59	Ditto. Better fracturing.	175-1773	30 H		0.
20	Titto.	1775-180	30"		n
6 <u>1</u>	Ditto-	180-1824	3õ"	1	1
62		1		į	
02	Dark sediment with white quartz vei	1823-185	35 ⁱⁱ	!	n
	ing. little mineralization.	1 7	30"	ĺ	n
63	As 33263. Little areenopyrite.	1923-195	30,4	ļ	n
64	Rhyolite?	2021-205	2)	1	1 n.
65	milicified sediment with numerous			1	\.\.\.\.\.\.\.\.\.
	quartz stringers. Very little pyrit	to 42128-215	30"	1	\3.
66	Ditto. Less well silioified. Few			ł	1
	fine specks arsenopyrite.	215-2176	30 *	1	1
67	Fairly coarse "rolled" rhyolite wit	th [1	
	pyrite and pyrrhotite on small				. [
	fractures.	2271-230	30 "	· ·	0.
•	14 000 001 000			į.	1
•				! '] :

DIAMOND DRILL REPORT DUPLICATE COPY

HASAGA

POOR QUALITY ORIGINAL TO FOLLOW

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

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

Sample		B	Width	Ass	
No.	Description	Footage	MIGCII	Qz.	Value
33268	Construction Production and the last]	
33200	Grey sediment. Fractured with white	1 2/2 252			4 75
69	quartz veining. Pyrite in quartz. Dark grey sediment finely mineralized	248-250	24"		1.75
09	with pyrrhotite. Some muscovite.		30''		2.15
70	Rhyolite? Altered sediment? fair	2921-295] 30.		2.45
, ,	mineralization.	298-300	24"		3.50
71	Contact zone. Little pyrrhotite. Much		24		3.30
′ 1	white quartz.	300-302	24"	ļ	0.70
72	Ditto.	302-303			1.40
73	Rhyolite	3031-306			1.75
74	Ditto	306-308			1.05
75	Ditto	3083-311			3.85
76	Ditto	311-313			1.40
77	Ditto	3133-316		1	2.80
78	Dark altered contorted sediment	316-318	24"		2.10
			- '		2.10
0-10	Casing				i
10-11	Silicified sediment, light in colour		1		Ì
11-12	Very dark sediment.			1	
12-17	Dark and green banded sediment?(tuff?	1			!
17-223	Ground			1	
22½-23	Dyke				
23-26	Grey and green silicious sediment fai	tly well	banded. (Occasio	na1
	bluish quartz stringers.		1		
26-35	Grey to dark silicious rock, fine gra	ned with	elongat	e# carl	pnate
	flecks, probably rhyolite, muscovite	on fractu	res.		
35-45	Similar in appearance to 26-35 but br	dwnish in	clour	(þrown	
	sediments?)	İ	1	1	1
45~60	Sediment. Green and brown banded. Fin	ne grained	vith blo	ulsh qı	uartz
	stringers.	1	İ		į
60-713	Blue-grey very fine grained, well bar				
	ional green and brown bands. Little f		with blu	u shqi	Jartz
7.1 00	stringers. Some pyrrhotite mineraliza				
713-80	Brown and green "lenticular banded" t	utt? sedi:	ment? Fr	actured	41
90 C7	with considerable white quartz. Littl	d leachin	gat /2'	, vein	i¶g∙
80-87	Brown and green "lenticular banded" f	airly reg	ular tur	<u> </u>	1 .
87-92	Dark and minor green "lenticular band	iga" - con	corted a	וסנש חסו	າໄພຕະນ
¢2-97	white quartz veining.	4.10	د د المأم	1 0 0 0 0	1
97-117	Fairly regular brown and green "lenti	durar ban	aga sea	ment:	
3/-11/	Grey to brownish sediment fairly fine 107 - 4" white quartz	graineu.			
	107 - 4 white quartz	dina aute	a dazk a	nd cil	141000
	in last part. Little pyrrhotite.	ming dare	e luark a	114 511.	rgrous
117-122	Contact zones mainly grey rhyolite bu	IF COMO PO	manta	f coat	ndnt
122-1825	Rhyolite with fair "old" fracturing v				
125-1053	fracturing with white quartz veins be				
	arsenopyrite and pyrite. Some pyrrhot	ile. Quar	ca and q	uartz	cardonate
	at 150' and 165'. Probably better mi	neralizati	ion in La	ISE 10-	16.
			<u> </u>		j
		1	•	•	•

DIAMOND DRILL REPORT.

Hasaga

Koval-Ohman Option.

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

Place Location Direction Date

Sample		}		Assay	
No.	Description	Footage	Width	02.	Value
. ;		1		ļ.	
33258	Grey sediment fractured with white	1			
	quartz veining. Pyrite in quartz.	243-250	24"	, j	1.75
69	Lark grey sediment finely mineralized	1			
1	with pyrrhotite. Some muscovite.	2923-295	3 0"	1	2.49
79	Ehyplite? Altered sediment? fair				
l	mineralization.	298-300	24"		3.5
71	Contact zone. Little pyrrhotite. Muci				
}	white quartz.	300-302	24"	Ì	0.7
72 1	Litto.	302 -3 03i	18"	1	1.4
73	Ehyolite.	3033-306	30'	i t	-1-7
74	Pitto.	303-303	30"		1.0
75	ritto.	308}-311	30"	į Į	3.6
76	Ditto.	311-3134	30"		1.4
77	Ditto.	3133-316		í l	2.6
78	Dark altered contorbed sediment.	316-318	24"		2.1
, ,					
- 10	Casing.	•	[}	
- 11	Cilicified sediment, light in color.	†	į		
i - 12	Very dark sodiment.	1			
2 - 17	Dark and green banded sediment? (tuff	1)		1	
7 - 223	Ground.]"	}	Ĭ.	
- 23	Dyke.]	1	•
5 - 26	Grey and green dilichous sediment fa	irly well	banded.	becast	onal
, - 20	bluish quartz stringers.	7			
6 - 35	Grey to dark milicious rock, fine gr	dined with	elongat	ed car	bonste
	flecks. Probably rhyolite, muscovite	lon fractu	res.		}
5 - 45	Similar in appearance to 26-35 but b	wownigh in	color (brown	
J - \J	sedinents?)	1)
5 - 60	Sediment. Green and brown banded. Fi	ne grained	vith bl	uish (martz
J - W/	stringers.				1
0 - 713	Blue-grey very fine grained, well be	nded allic	tous sed	dment	Occas
0 - 173	ional green and brown bands. Little	frecturing	with bl	liah (uartz
•	stringers. Some xxxixxx pyrrhotite	Intherplia	etion.		1
1 00	Prown and green "linticular banded"	tuffe pool	Dunt? Fr	ch cture	1
l - 80	with considerable white quartz. Litt	To leading	72 11 72	VALL	ine.
o - 87	Brown and green "lenticular banded"	duinly rec	nlar tut	7	1
7 - 92	Dark and minor green "lenticular bar	Mad" - CCT	prorted a	hd w 1	in mucl
1 - 92	white quartz voluing.	, da - co,			<u> </u>
0.07	.Vairly regular brown and green "lent	doular his	Ped# sed	ilment'	2
2 - 97	Grey to brownish sediment fairly fir	d arcined	1.00	,	1
7 - 117		IG ST WILLIAM	1	1	``
	107 - 4" white quartz. 108 - 117 Slightly contorted and bed	daing out	a dark d	and as	Loton
	100 - 111 Silkutia Courong and Dec	Amine day	or dair c	., 51.	
~ 300	in last part. Little pyrrhotite.	nie some m	dinanta a	had Tr	Manta
7 - 122	Contact zones mainly grey rhyolite		20146-146	2 224	E NA
2 - 1821	impolite with fair "old" fructuring	MITON DIVIS	theny its	7) 0	1 h
	fracturing with white quartz veins	Jerneau IJ	יל אייי פור	110 24.	horbo
•	areenopyrite and pyrite. Some pyrrhe	intra• mng;	יווו בי מין ו	there has	Par 00
	at 150' and 165'. Probably better m			· • • • • • • • • • • • • • • • • • • •	

DIAMOND DRILL REPORT

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

Place Location. Direction Date

Sample	70 · · · - • · ·	Fantage	Width	Assay
No.	Description	Footage	WIGCH	Qz. Value
25-2025	Dark sediment. Little arsenopyrite in	places. 1	ittle fr	acturing and
23-209	white quartz veining. Grades into an a Rhyolite? Crushed or rolled appearance pyrite.	e - fairly	coarse	little iin
9-219	Dark sediment fairly well bedded - si small quartz stringers. Little fine a	icified a	nd cut b	y numerous
9-240	Sheared rhyolite grade into coarse ro to sheared at 234'. Little fracturing	lled grant with pyri	dar at 2 motite a	26' and back and pyrite.
0-245 5-255	Dark grey sediment. (sheared rhyolite Dark grey grading into brown sediment quartz veining. Very little fine pyrr 246-247 Groun d.	appearance	de)	1
5-261 1-273₺	Green and dark or brown banded tuff? Brown grading to grey sediment fine g	rained -	bedding i	! !
35-277	Breccia zone with considerable white and pyrrhotite.	quartz ve	ining. Li	ittle muscovi
7-300	Grey to dark sediment slightly silici with white quartz veining and narrow 287½-288½ Breccia zone - white quartz 288½-290½ Quartz diorite dyke	blue quar	tz string	gers.
)0-303½	White quartz at 281, 282, 284, 2862, Some pyrite associated with quartz. I with pyrite and little arsenopyrite. Contact zone with 40% white quartz versions.	White qua	rtz vein	ing.
)3½-316	Rhyolite with considerable "ld" fractionarse grained. Little very fine mine	curing. So	mye snort	sections
16-325	Dark altered - some silicified sedime	ents with	little a	rsenopyrite
325-372	and pyrite. Dark and green "lenticular" banded so green banded sediment? at 330' which amphibolitic tuff at 360'.	ediment? g in turn g	rading i grades in	nto brown an to massive
	End of hole 372'			
	POOR QUALITY OR TO FOLLOW	IGHNAL -		

DIAMOND DRILL REPORT.

Hole No. D.D.44 Page 3.

Place Location Direction Date

 			,	
Sample	D		****	Аввау
No.	Description	Footage	Width	Oz. Value
182} - 202}	Durk sediment. Little ersenopyrite in white quarts veining. Grades into an	placom.	Little fr	'acturing and
2021 - 209	Rhyclite? Crushed or rolled appearant pyrite.	ee - fairl	у соатве	· little fine
209 - 219	Dark sediment fairly well bedded - s.	irsanchyri	te.	ŧ.
219 - 240	Sheared rhyolite grade into course r to sheared at 234. Little fracturin	illed gran	ular at	26° and back and pyrite.
240 - 245	Tark grey ecciment. (sheared rhyolit	🛊 appesran	(CO)	
245 - 255	Dork grey grading into brown sedimen cuertz veining. Very little fine pyr 246-247 Cround.	hotite.	fracturi	ng and white
255 - 261	Green and dark or brown banded tuff?	sediment?		
261 - 273	Prown grading to grey sediment fine banded by many small quartz stringer	grained -	bedding	i
2731-277	Breccia zone with considerable white	quartz ve	ining. L	ittle musc 71t
277 - 300	and pyrrhotite. Gray to dark sediment slightly silic with white quartz veining and narrow	fied in a	etz strin	fractured
	287%-288% Breccia zone - white quert	.2.		·
	Thite quartz at 281, 282, 284, 286, some pyrite associated with quartz. with pyrite and little arsenopyrite.	Dast 2 fee	ek rhyoli	te? Numerilzat
300 - 303} 303} - 316	Contact zone with 40% white quartz with Knyolite with considerable "old" from	dining. Li dturing. :	ittle pyr Some shor	rhotite.
316 - 325	coargo grained. Little very-fine mir Park aftered - some silicified sedim	dralization nents with	on. little a	rsenopyrite
325 - 372	and pyrite. Dark and green "lenticular" banded a	adiment?	mrading i	ito brown and
725 - 714	green banded sediment? at 330° which amphibolitic tuff at 360°	in turn	grades in	to, massive
	End of hole 372			
	•			
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DIAMOND DRILL REPORT.

HASAGA Koval-Ohman Option

Hole No. D.D. E-A5.

Place .. Surface.

Logged by J.C.S.

Location ..6820.5E. Direction ..N22W.... Date \$ppt.27/54
Elevation 5007.5
200' -45°

Dip: 0' -45°

ample				Assay
	Description	Footage	Width	
				•
53424	Grey sediment. Little shearing,		•	•
	narrow quartz stringers. Little	305 305	30"	
: ٥٠	pyrite and pyrrhotite.	105-107	701	nil
25	Ditto.	1075-110		1.7
26	Ditto.	110-112		1.0
27	Ditto.	1121-115	.50"	1.4
33279	Altered silicified sediment. White	115-117	"در ا	5.0
80	quartz veining. Little pyrrhotite.	117-117		ni
81	Ditto.	77 (8-750	, Ju	1 111.
01	Ditto. Some coarse arsenopyrite and	120-122	30"	4.:
82	cherty bands. Ditto.	1221-125		4.
83	Rhyolite intraded sediment. Well	1550-150	דע ד	7**
ارده	mineralized with pyrite.	1301-133	30°	3.
.84	Ditto.	133-135		5.
85	Altered sediment, silicified little	177-175	- 20) 5.
ا ده	rhyolite. Fractured with white quart	-		İ
1	veining.	135 1 -138	30 *	2.
86	Grey to dark silicified sediment.	וטכברפניבו	ا کر ا	٤٠
00	Little fracturing and white quarts			ļ
']	veining. Little pyrrhotite.	138-140	24*	. 1.
87	Dark sediment fractured. Quartz	1,00-140	E-4	*
01	stringers with hematite and little	1		1
į	pyrite.	1581-160	18"	ni
88	Rhyolite?	173-175		ni
89	Breccia zone.	1774-180		ni
90	Breccia zone with pyrrhotite.	1821-185		ni
33428	Silicified grey sediment with quarts		1	
JUAZO	stringers.] 50 0- 505	30 th	. 2.
29	Ditto.	2024-205	30"	. 0.
30	Ditto. Slightly derker.	205-208		ni
33291	Highly silicified zone. Little	203-200		
77294	arsenopyrite.	208-210	HAC A	3•
33431	Sheared grey silicified sediment.	210 4-212		ni
32	Ditto. Rhyolite?	2124-215	30"	ni
33	Rhyolite.	215-218	36"	ni
33292	Fractured rhyolite - sediment con-	1 225-220		•••
	tact zone. White quartz, pyrrhotite	218-220	24"	ni
93	· Altered sediments - quartz stringer			ni
94	Altered sediments - quartz stringer			ni
95	Coarse rhyolite - little pyrrhotite		30°	ni
96	Dark altered sediment. Little fine	م حماقددس	, ~	"*
90	arsonopyrite. Muscovite on fracture	d 2/121-2/15	30"	ni
97			30	"1
71	Altered grey sediment with occasion	262 1 -265	3 0"	n1
ا م	al quartz stringers.	265-267	30 H	ni
: 98	Brecoia zone.		30"	
33300	Ditto. Ditto.	2675-270 270-272		ni ni

PICKLE CROW GOLD MINES LTD. DIAMOND DRILL REPORT.

Hole No. D.D. E-A5 Page 2.

Place Location Direction Date

Sample			<u> </u>		вау
No.	Description	Footage	Width	0z.1	Value
:					
33101	Ditto.	2721-275	30"	1	0.70
33434	Silicified fractured grey sedimen	t i			•
,	and greywacke.	275-278	36"	i)	2.10
33102	Banded dark sediment with fine py			1	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Dana do Bara addiada wight 1100 py	278-280	24"	;	7.00
03	Whose was and want with accord	210-200	27	i	1.00
05	Fractured sediment with quartz	000 000	70#		3 05
~ 1	atringers.	280-282	30"		1.05
04	Ditto.	2821-285	30"	ļ	1.40
05	Rhyolita.	285-2871	30"		1.75
06	Ditto.	2871-290	30"		2.10
07	Ditto.	290-292	30"		2.45
08	Ditto.	2921-295	30"	,	0.35
09	Ditto/	295-297	.30"	9	1.40
10	Ditto.	2973-300	30*	i	0.70
11	Rhyolite.	300-302	24"		1.05
12	Ditto.	302-304	241		0.70
13	Rhyolite.	305-308	24"		nil
14	Ditto.	308-310	24"		nil
15	Ditto.	310 - 312₹	30"		nil
16		2104 2148	. 701		
	Altered sediment and quartz veini	ugeorsa-oro	30 ¹¹		nil
0 - 5	Casing.				
5 - 27	Tuff (sediment?) Massive green at	spert of se	cron. H	ಯರಲ್ಲ	XXXXX-1
	stort-of-section. Banded after 16	" with green	ind brown	n pand	s from
	23 to 25 and a garnetiferous be		26'•		1
	Hard, dark and very dense in sect				
7 - 511	Dense, slightly silicified grey t	o dark sedim	nt. Ver	l proc	ky as
	compared to previous core.	- 1			ļ.
	35-36} - Ground.	1 . 1			[
	Occasional quartz stringers.				
1 - 60	Green and bluish grey to dark bar	ided tuff? be	liment?	ilici	bus -
•	little fine pyrite.				
Q - 77	Very dark dense silicified sedime	nt Occasion	al bluisi	quar	tzetrir
• ,,	Little pyrrhotite en bedding plan			. 4444	
	64-65 - Ground.				ľ
·	653-66- Ground				1
	68-69 - Ground.				į
				}	i I
	65-67%- Greund. Green and dark ber	med garnetii	orque.		L
3 - TT4	Green and brown "lenticular" band	red Exsure r	p grey w	tn mi	ror gr
	- bands.	1	· <u>-</u>		
	86-93 Fracturing with white quart	z voining. L	ttle py	rite.	!
	103° -2" white quartz.	, ,		l	1
4 - 125	4 Grey and cherty sediments altered	l ard silicif	ed. Lit	Mc	ns pyr.
	and pyrrhotite. Occasional quartz	stringers.	come coa	186 4	18113p);
4-130	Dyke. Dark green granular with li	ttle pyrite.			1
	Altered sediment intruded by rhyo		hinerali	ed wi	th fin
	pyrite. Little arsenopyrite and	vrite. Franti	ring wi	h whi	יפנוס הב
	veining at contacts.	,	· · · · · · · · · · · · · · · · · · ·		To Man
	Grey to dark silicified sediment		L		.1
• 6-152	; Grav to derk glilditian dagimant	יתים מחתת ועוד			'I MATERIAL PROPERTY OF THE PER

DIAMOND DRILL REPORT.

Hole No. D.D. E-A5, Page 3.

Place Location Direction Date

Sample			I	Assay
No.	Description	Footage	Width	Oz. [Value
	Little pyrite and pyrrhotite. Minor	cherty gr	en band:	•
ماران ماران	148'3-149, 150'3-151'10 Ground.			
52 - 175	• • •	TA BITICI	190. 00	asional quart
	stringers.			-44>0\
	159'6 - fracture with quartz and hen Fair pyrite mineralization.	METER (AO	A BOLF	grmitoarti
	172-175 - Rhyolite - slight fracturi	ha with h	uiah ou	ntz and 11ttl
	pyrite.	lig with b.	luibii qu	1 02 410 11001
75 - 186		ite quart	veinin	Good messiv
	pyrrhotite mineralization, little py			
86 - 208	Grey to dark sediment, slightly sili	cified in	section	Little
!	scattered pyrite.			
)8 - 210 ¹ / ₄	Highly silicious zone - blue and whi	te quartz	stringe	s. Little fin
i	arsenopyrite.		Ţ	
4 - 218 6	Altered dark sediment, silicified ar	h with oc	casional	zones of rhyo
6 - 243	Mainly crushed or "Rolled" Rhyolite	with grad	ational :	contacts.
ţ	218 6 - 218 9 Thite quartz veining.	1	1	
-	220 - 224 Altered sediments with qu	HITE SCIL	ngers•	
}	224-227 Rhyolite. 227 - 237 Altered sediments.	1		
}	237 - 243 Rhyolite - little pyrrhoti	1		
43 - 264	Dark altered sediments. Little fine		te in t	rat 3 feets
- 104	White quartz veining at 2471 feet.			
j	atringers.			
	Fractures with muscovite, shite quar	rtz and py	rite. 26	-262.
64 - 275	Breccia zone in highly altered sedin			
	veining and fair pyrrhotite mineral:		l	
75 - 278	Fairly massive dark sediment. Fracti	ured with	quartz.	uscovite and
	pyrrhotite filling.		1	
78 - 285	Altered sediment, fractured and sil:	ipified. E	Pirly Mo	Il banded in f
0	2 feet with fine pyrite.		1	
85 - 3121	Phyolite. A few sections probably ve	ery altere	d senime	nts. Fair 'Old
!	Fracturing with fine pyrrhotite and	barre mr	Netaliza I	gion and many
}	small segregations of muscovite. 304-306 Medium grained dyke.		1	
25 - 31 3	_	ootumes .	}	
26 - 313 13 - 3236	Thite quartz veining. Biotite in fra Bilicified altered, fractured sedime		duentz e	iringene. Some
1) - JEJB	pyrrhotite and muscovite. Few garne			11 THE CT BE DOME
3 1 - 339 ¹	Green and dark banded sediment grad			rown at 930°.
· :.				
	End of hole 339°	1		
	•		j	
		ļ	1	
		1	1	
		1	}	1
		1	Ī	}

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DIAMOND DRILL REPOSOR QUALITY ORIGINAL HASAGA TO FOLLOW

Hole No. D.D. E-46.....

Koval-Ohman Option

4492.4N

Logged by J.C.S.

Place Surface Location 6729.2E Direction N22W Date Elevation 5009.5

Elevation 200' -49° Dip 0' -55°

_44⁰ 3301

Sample	Decements	Footons	Width -	Assay	
No.	Description	Footage	Width	Qz. Val	ue
33138	Silicious grey sediment. Little pyrite	55'10-58	26"	ni	1
39	Dyke. Little pyrite. Whole core.	100-1023	30"	ni.	1
40	Slightly silicified dark grey sedim-			1	
	ent. Little pyrite.	141-143	24"	l ni	1
41	Dark slightly silicified sediment.	150-151'9"	21"	ni	1
42	Slightly fractured rhyolite. Blue	,	{	- 1	
	quartz stringers. Fragments of sedim-				
	ent.	151'9"-153	15"	1.	05
43	Porphryitic rhyolite slightly fract-	•			
	ured. Little pyrite.	153-155	24"	1.	05
44	Ditt. Quartz stringers. Little better	1		-	
	fracturing.	155-1573	30"	1.	40
45	Ditto.	157 - 160	30"	1.	40
46	Ditto.	160-1623	30"	2.	45
47	Ditto, with remnents of sediments.	162 - 165	30"	, 4.	20
48	Porphrytic rhyolite.	165-1673	30"	10	.50
49	Ditto.	1671/2-170	30"	5.	25
50	Ditto.	170-172	24"	9.	80
51	Contact zone. Dark sediment.	172-174'3"	27"	ni	,1
52	Slightly Fractured grey sheared sediment.	ļ			
	White quartz stringers. Little pyrite.	1		1	
	and muscovite. 6" fractured quartz.	216-218'3"	' 27"	ni	.1
53	Dark altered sediment. (rhyolite?)	ì			
	Blue quartz stringers, fair pyrite.	1	1		
54	Greenish granitized rock. Fair pyrite.	262-2643	30"	in	.1
55	Contact zone. Dense rhyolite.	278-280	2411	0.	70
56	Fractured rhyolite. Quartz stringers	1		1	
	fair pyrite.	286-288 ³ / ₂	30"	4	.85
57	Contorted sediments. Slightly silicified	301-303	24**	0,	,70
58	Contorted sediments. Chloritic bands.	ì		1	
	Garnets. Little arsenopyrite.	303-305	24"	· ·	11
59	Brown and green banded sediments.	312 2-315	30"	n:	i1
60	Fractured contact zone. White quartz.				
	veining. Coarse pyrite, pyrrotite] }		
	and arsenopyrite	320-322	24"	8	.75
)-7½	Casing		į l		
73-49	Dyke. Dark green medium grained with pyrite	mineraliza	tion.	1	
	13-17 Ground				
	28½- 3" silicified sediment (fragment?)	1		1	
1 9~63	Dark, fine, slightly silicified sediment gr	ading to gre	ey at 56'.		
	Little pyrite and slightly fracturing.		1 1	j	
	54½ - 3" dyke		\ \ \		
	62' - 6" dyke				
53-126'9"	Dyke as before. Some massive pyrite. Segreg		or partially		
	digested fragments in sections. (see specim	nens)			
12916"-136	Sediment - dark grey and brown with irregul	dr small ca	rponate band	ing.	
			1		
			1	ĭ	
		[Ì	
		1	1)	
	The state of the s	•	•	-	

DIAMOND DRILL REPORT.

HASAGA

Hole No. D.D. E-46

Kovel-chamn Option.

Logged by J.C.S.

4492.4N Place Surface Location : Elevation 200' -490

Dip: 0' -55°

ample No.	Description	70	1000	Assay
<u> </u>	peacripaton	Footage	Width	Oz. Value
31 38	Silicious grey sediment. Little pyrit	-55"10-58	26"	l nil
74.00 T	Dyke. Little pyrite. Shole core.	100-102		nil
40		100-102	, ~ ,	****
40	Slightly cilicified dark grey sedim-	141-143	24*	nil
	ent. Little pyrite.			
41 j	Dark slightly silicified sediment.	150-151	9 21"	nil
42	Slightly fractured rhyplite. Blue]	Ì
1	quartz stringers. Fragments of sedim-			
	ent.	151'9-153	15"	1.05
43	Porphryitic rhyolite slightly fract-	}		
1	ured. Little pyrite.	153-155	24"	1.05
44	Ditt. Quartz stringers. Little better		į į	
1	fracturing.	155-157	k 30" ∣	1.40
45	Ditto.	157:-16	F)	1.40
46	Eitto.	160-162		2.45
47	Titto, with remnents of sediments.	1621-165		4.20
48	Porphrytic rhyolite.	165-167		10.50
49	Ditto.	1673-170		5.25
50	Ditto.	170-172		9.30
51	Contact zone. Dark sediment.	172-174	3 : 27"	nil
52	Slightly fractured grey sheared sedic		}.	
1	Thite quartx stringers. Little pyrite			
ļ	and muscovite. 6" fractured quartz.	216-218	3 27"	nil
53	Dark altered sediment. (rhyolite?)	1		
	Blue quartz stringers, fair pyrite.	1	j i	
54	Greenish granitized rock. Fair pyrite	262-264	b 30"	nil
55	Contact zone. Dense rhyolite.	278-280		0.70
56	Fractured rhyolite. Quartz stringers			0010
ا	fair pyrite.	286-288	30"	3.85
67			γ ~	ر. ا
57	Contorted sediments. Slightly silicit		24"	2 70
	1ed.	301-303	24"	0.70
58	Contorted sediments. Chloritic bands			
Ī	Garnetal Little ersenopyrite.	303-305	1	nil
59	Brown and green banded sediments.	3125-315	30"	nil
60	Fractured contact zone. White quartz	1	1	
	veining. Course pyrite, pyrrhotite	ì	}	
ļ	and erseno yrite.	320-322	24"	8.7
į		1	\	
- 73	Casing.	í	1	
- 49	Dyke. Dark green medium grained with	nunte ma	hereliza	tions
- 77	13-17 Ground.	LANGE WI	1.02 -2.20	
		100	İ	
£~	28) -3" silicified sediment (frague		.	L
- 63	Dark, fine, slightly silicified seding	deur Erre	hue co s	ah nr 20.
	Little pyrite and slightly fracturing	{ }• '	1	
, I	54} -3" dyke	1)
Į	62' -6" dyke.	1		.
- 126'9	Dyke as before. Some massive pyrite.	Segregati	ins and/	br purtially
:]	digested fragments in sections. (see			
- 176	Sediment - dark grey and brown with			bonete band
) – 177131				

DIAMOND DRILL REPORDUPLICATE COPY POOR QUALITY ORIGINAL

TO FOLLOW

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

Place Location. Direction Date

<u></u>					
Sample				Ass	ay
No.	Description	Footage	Width		Value
136-138}	Dyke				
138}-140	Sediment as 126-136				
140-141	Dyke		1		
141-146	Sediment as 126-136 with occasional qu	artz stri	ngers. So	me se	tions
	with fair pyrite mineralization.		ļ	ļ	
146-150	Sediment, darker with considerable fra	cturing a	hd white	quart	z vein-
	ing. Little pyrite.		1	,	
150-152	Sediment, silicified.	[
152-172	Rhyolite. South contact porphyritic as	d first f	pot or s	p cont	aining
•	fragments of sediments. Bluish with so	me 'old'	fracturi	ng and	some
	white quartz veining. 1 ittle pyrite m	neralizat	Lon. Rem	hents	þf
170 17410	sediment from 163-165			}	
174'3"-175	Dark sediment.		1	ŀ	
174 3 -175		and whi		l	ing A
T/2_TAT	Dark grey sediment with some fracturing very little pyrite.	ng and whi	re duart	T vein	Filig, A
	178 - 3" white quartz vein.		1		
191-238}	Grey sheared slicified sediment with	little pvr	ite. Sec	l tion n	ear
202 200,	212' possibly sheared rhyolite with for	ldspar ph	nenocryst	s. Occ	asional
	quartz stringers throughout.	}			
	217}-218 - 6" fractured white quartz.				
	220-225 Darker sediment.		Į.	1	
238}-248}	More highly slicified sediments with	narrow qua	artz stri	hgers,	little
	fracturing and little pyrite minerali			þetter	mineral
	ized and bordering on a rhyolite in a	ppearance.	• [1
	4" ground at 243}.			1	
248}-258	Dyke. Similar to previous ones, Some	pyrite		1	
	253\frac{1}{2}-254\frac{1}{2} Ground.	lasabad	h		1
258-2641	Last 3 feet broken up. Fractured vugg Greenish hard rock. Fractured conside				inches
230-2043	badly broken but has appearance of re				
	qouqe.Rock fractured with some open s				
	faces. Some pyrite mineralization in				T
2641-2781	Dark sediment somewhat silicified. Li	ttle frac	turing wi	th occ	asional
	quartz stringers and little muscovite				
	272} - 6" granitized sediment? zone.		Ī		1
278}-288}	Silicious, purpplish coloured dense,		i¢ rock w	th fe	dspar
	phenocrysts. Probably rhyolite flows.]		
	283}-285 Greenish silicious material	flow to	p or bord	ler? sl	neared in
	appearance.		İ	1	}
0001 004	287-288} Fair pyrite in seams and fra				
2881-304	Breccia zone in dark sediment with co				
	and white quartz veining. Slips at 29 and white quartz injection. Some beds				
	and white quartz injection. Some beds ation sections and pyrite mineralizat		erous. Di	trie :	21101110-
304-320	Brown and minor green banded sediment		rhotite		
320-321}	Fracture zone.	Laren bar	1		
320-3213	320'9"-321'6" White quartz contacts f	ractured	with mass	sive p	vrrhotite.
i	1 220 > 321 0 miles quales concidees i	1		٦, ٦,	']
		l	Į		
		1	i	1	J

DIAMOND DRILL REPORT.

Hole No. D.D. E. AG. Page 2.

Place Location Direction Date

					•
ب	Sample				Assay
	No.	Description	Footage	Width	Oz. Walue
**		-			
13	6 - 138	Dyko.		. •	
	140	Sediment ws 126-236.			
14	10 - 141	Dyke.			
14	1 - 146	Sediment as 126-136 with occasional	cuartz str	ngers.	ome sections
	<u> </u>	with fair pyrite mineralization.	1		
14	16 - 150	Sediment, darker with considerable f	racturing	and white	quartz vein-
		ing. Little pyrite.	}*		* \$.
1	0 - 152	Sediment, silicified.			a containing
E:	5 - 115	Rhyolite. South contact porphryitic fragments of sediments. Bluish with	Mone told:	Constant	ng and some
1		white quartz veining. Little pyrite	mineroliza	tion. Re	ments of
1		sediment from 163-165.	AT1101 WT7-0	10110	
١,,	72 - 17417	5 Park sodiment.].		
	3 - 175	Dyke.	1	}	! ! .
	75 - 191	Tark gray sediment with some fractu	ring and w	hite qua	ttz vehning. A
] _ '		very little pyrite.		1	
1		178 #3" white quartz vein.		_	1
1	91 - 2384	Grey sheared silicified sediment wi	th little	pyrite.	Section neer
•		212 possibly sheared rhyolite with	feldspar	phenocry	era. Opcasional
l	,	quartz stringers throughout.		ļ	
1	ļ	2174-218 6" fractured white quartz	· •		1
L_	01 010:	220 - 225 Darker sediment.	***		ningone 31111
47	81 -2481	fracturing and little pyrite minera	diantion	last foo	t better minaral
1		ized and bordering on a rhyolite in	n phoeuranc		, 200p
1	Ì	4" ground at 243%.	. Japour one	7	
b	81 - 258	Dyke. similar to previous ones. So	e pyrite.	1	1
F	- LJ4	2531-254; Ground.		1	1
1		Last 3 feet broken up. Fractured w	igay leache	appear	nce.
25	8 - 2644	Greenish, hard rock. Fractured const	lderable fo	depar.	first few inches
1	,	badly broken but has appearance of	recommented	rock fr	tegments or
i	1	gouge. Rock fractured with some ope	ar spuces o	hd quart	t crystals on
1		fuces. Some pyrite mineralization	in places.	Fault 2	pno?•
64	à - 278à	Tark sediment somewhat silicified.	Hittle fra	pturing	ith occasional
		quarty stringers and little muscov	ide. Firrie	pyrite	pineragization.
L_	.01 .001	2721 -6" grunitized mediment? zone	8 •		h Caldanan
₽7	8§ - 888§		horubrier	J POOK W.	.tu terhabat
		phenocrysts. Probably rhyolite for 2833-285 Greenish silicious mater	one - Clow	ton or '	ordera sheared
		appearance.	- 120	pop or .	
1		237-2883 Fair pyrite in seass and	fractures		
ba	81 - 304	Brecoia zone in dark sediment with	consideral	ole dist	ortion, fracturing
Fo	- Jo-	and white cuartz waihing. Slips at	2983 show:	the trunc	setion of bedding
	•	and white quartz injection. Some b	eda garnet:	lferous.	Little Bilicific
1		ation sections and pyrite minerali	zitlon.	1	1 . 1
1 2	320	Brown and minor green banded sedim	erit with p	yfrhot1t	* •
	320 - 321	Franture zone.			
1		320'9 - 321'6 White quartz contact	B [Fracture	nimity w:	Balve pyrrnoulte
1	*	,		-1	
1	•	I to the second of the second			i i i i i i i i i i i i i i i i i i i

PICKLE CROW GOLD MINES LTD. DIAMOND DRILL REPORT.

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

Place Location Direction Date

ample				As	Big
No.	Description	Footage	Width	Qz.	Valuo
- 336	pyrite and arsenopyrite mineralization bark to brown and green banded sedim 327-328 Sheared grey sediment. 328-331 Slightly silicified sedimen	ont. First	2 feet	garnet	lferou
,	End of hole 336°			1	
3616 17 18 19 20 21 22 23 24 25 26	Rhyolite, Ditto. Ditto. Contorted dark and grey tuff? Ditto, fair pyrite. Ditto. Ditto. Ditto. Dark minor green banded tuff. Garnetiferous band some pyrite. Many grey silicious bands. Some pyrite.	280-282 282-284 284-286 288\$-291 291-293 293-295 295-297 297\$-300 318-320 322-323	24" 30" 24" 30" 30" 24" 12"		2.86 1.7 0.7 nil nil 0.7 nil nil nil
27	Many grey silicified bands. Good	328-330			1.0
28	pyrite. Ditto.	330-332			nil
	3726	,			
,	1				
	•				
•					
		0			
·			}.		
	i	,		· · ·	
:		ł	1	1	}

PACKLECCROMOGOLDXMANESCHUTZ

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

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

Place Surface. Location Direction Date

Dip: 0' -65° 100' -58° 295' -45°

No.	Description	Tantana !	7474 3.4.4.	A.B	81,
1		Footage	Width	02,	Value
33757	Quartzitic band with little pyrite.		. 24"	}	0.35
73	Fractured light colored rhyolite wit				
i	pyrrhotite.	4663-467	4 ⁿ 10 ⁿ		nil
74	Light colored rhyolite- fractured w	th	•	ţ	
i	white quartz and pyrrhotite.	469-4701	84 2011		nil
75	Rhyolite entruded green and dark bar	ded			
:	rock.	4823-485	30 "	•	nil
76	Highly silicified - little pyrite	·	-		
•	and arsenopyrite.	496-498	24"		nil
77	Green and dark with massive pyrr-	ì			•
1	hotite.	511-513	24"		nil
78	Brownish grey sediment with fine		-		
	pyrrhotite:	533-535	24"		nil
79	Altered grey sediment.	600-602	24 7		nil
80	Ditto	602-604	24 -		1.4
· 81	Slightly fractured rhyolite. Very	000-001	6		_ + + =
7-	little mineralization.	604-606	24"		2.4
82	Fractured rhyolite with sediment] 003-000	~~,	•	***
٥.	remnants. Little mineralization.	606-608	24 ¹¹		0.7
83	Ditto	608-610	24"		0.7
84	Ditto	610-612	30 1		1.0
85	Ditto	6123-615	30"		nil
			24 ^p	"	4.5
86	Ditto	615-617	£4°	i	4.5
87	Quartz veining, banded rhyolite,		`		
	Arsenopyrite and pyrrhotite miner-	617 610	12"		
20	alization.	617-618			nil
88	Highly altered sediment.	618-619			nil
89	Rhyloite	6192-621	18"		0.7
90	Fractured sheared rhyolite with fir	e	308		_ 45
	pyrite	6283-630	18"		nil
91	Sheared rhyolite.	647 à -650	30"		nil
92	Highly altered sediment? and sheare	XI	201		^ ^
	rhyolite.	650-652			0.7
93	Sheared rhyolite - some pyrite.	6523-655	30"		0.7
94	Ditto	655-657	30"		nil
95	Ditto - finer grained, little pyrr-	0.583 0.00	g off		
	hotite, narrow quartz veining.	6571-660	30"		nil
96 !	Sheared rhyolite -(altered sediment		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	
	Little pyrite.	665-667	30 ⁿ		nil
97	Fractured green and dark tuff? Quar	tz			
	veining and pyrrhotite.	704-706	24 "		0.3
98	Altered dark grey sediment. Some	1 ·	្រា	,	_
}	quartz veining.	716-718	. 24"		0.3
99	Ditto - less fracturing.	718-720			nil
33800	Grey sediment.	720-722	307		0.7
01	Ditto	7221-725		•	nil
: 02	Ditto	725-727			ni.
03	Ditto Little more alteration.	727 = -730			nil
T I			1		1
04	Ditto	730-732			ni.
05	Ditto	7321-735	30.4		ni

PROCEENCEROW. GOLDOMINESCHIDA

Page .2.

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

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

Flace Surface.. Location Direction Date

Sample No.	Description	Destar	7112 343	Ase
17.0	Description	Footage	MIGUN	Oz. Wille
0-12	Casing.			
17-210景		seous sediment	. Some	reen bands
ì	and green and brown poorly bedde			
i	siliceous - quartzitic band-with	little pyrite		٦
	. 37- Little fracturing and quart:	z veining.]	
•	59-60 Light siliceous bands.		} }	ł
]	100-118 Fairly dark sediment wi	ith gyrfite on	fractur	8.
ŀ	109-110 Ground.	}	}	
. {	122 3" white quartz vein.	1] }	1
	126-128 Breccia zone. 136-1372 Dyke		!	
	136-1373 Dyke	,		
	1462-1482 Dyke. 198-200 Fractured with white		1 1	
2102-2143	Fine grained green with minor by	ingras verming	Pro To	t cortect
*105-5175	fractured with little white quar	rown joanus - v	pri. Das	o concact
214 1-224	Grey sediment.	raz demme.	1	Į.
224-226	Amphibolitic green bandfractu	red. white one	rtz ve in	nø.
226-270	Generally grey well banded seding	ment with some	manor b	fown and
	green banding. Occasional blui	sh quartz veir	Lit tl	pyrite
1	and pyrrhotite on slips.]	
270-276	Dark slaty sediment.			
	271-272 Dyke.		1 1	,·
	273'8"-274'10" Dyke.		1	
276-277	Light very siliceous band.			
277-302 }	Generally light grey well bande	d sediment wit	h little	fracturing
	and occasional quartz stringers	; dark and sla	ty at en	d of section
	284-285 Dyke.	,		
)	2892-291 Cherty yellow green			i with
1	quartz stringers - coarse pyrit		re.	
302 1 -310	Green poorly banded amphiboliti			1.4 + h 1 h
310-324	Grey slaty well banded, sometim siderable pyrite and on slips a		Beriment	MIM GDU-
	311-3132 Fround.	nd Thaothrea.	1	
	313g-314 Dyke.		1	ļ
ļ	315'4"-317½ Dyke.			
324-365	Light to dark green slightly fr	actured tuff.	Some se	ctions frag
	mental?			
	333-335 Dyke.			
	343-347 Considerable quartz			
365-374	Grades from very dark green poo		park gre	y and slaty
	sediment with some pyrrhotite o	n fractures.	{	
	Green and brown banded grades t	o green amphil	oplitic a	nd then to
3 74- 385			1 .	
374-385	green and grey poorly banded se	diment?.		
385-388 1	green and grey poorly banded se Dark grey sediment.	ì		
	green and grey poorly banded se Dark grey sediment. Coarse green ampaibolitic tuff?	Little frac	tiring wi	th quartz
385-388 1	green and grey poorly banded se Dark grey sediment. Coarse green amphibolitic tuff? and quartz carbonate. Some pyr	Little frac	alization	-somethres
385-388 1	green and grey poorly banded se Dark grey sediment. Coarse green ampaibolitic tuff? and quartz carbonate. Some pyr in narrow massive stringers.	Little fractions of the section of the secti	alization	-somethres
385-388 1	green and grey poorly banded se Dark grey sediment. Coarse green amphibolitic tuff? and quartz carbonate. Some pyr	Little fractions of the section of the secti	alization	-somethres

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Page. 3.

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

Fole No. D.D. E-50

lace Surface. Location Direction Date

	·			
Cample ;				Assay
No.	Description	Footage	Width	Oz. Value
455~456	Grey slaty sediment-fractured with qu	artz stří	nøars.	
456-462	Green and brown to green amphibolitic	tuff? Fa	irly well	banded.
	Dark to green and brown banded sedime			
4663-4673	4" Light siliceous well banded rhyoli	te. Fract	red wit	h whitle
j	quartz veining and massive pyrrhoti	te.		
46714"-469	Green and dark fairly well banded sec	iment - f	ractured	and con-
1	torted with white quartz veining.	1.	!	
469-4705	8" Light blue grey rhyolite, fractured	with whi	te quart	veiring and
	pyrrhotite mineralization.	Ì		
470'8"-477	Green and dark sediment? grading to m	assive gr	een amph	loolitic tuff?
488 400	Some garnetiferous bands.			160%
477-488 488-500	Green and dark"lenticular" banded int	ruded by	rnyolite	(60%Thyolite)
#00-0M	Very highly silicified rock with litt arsenopyrite. Probably once a green	Te line D	vrite en	u coarse
500-511	Green and grey to green and brown fa:			
000-011	silicified. Some pyrrhotite on beddi			
511-513	Green and dark banded with massive p			zation .
513-521	Grey to dark slaty sediment. Little	fracturin	.	
521-530	Generally green and brown sometimes	arnetifer	bus fair	ly well
	banded.	1		- la
	Brownish grey well bedded sediment wi	th fine p	yrrhotit	e mineralization:
536-550	Green and brown to green and dark fir	de to coar	Be "lent	toular or
	irregularly banded tuff? Some fracto	ring with	white q	partz veining.
550 508	Little pyrrhotite from 545-550.]	
550-587	Green and grey to green and brown "le	enticular"	banded.	1
587-604	Grey sediment becoming progressively Last 2 feet may be rhyolite.	more sili	prileg s	nd attered
604-621	Rhyolite fairly well fractured with	onma white	one wto	reining Some
004-021	sections fairly well mineralized with	offine nur	rite and	pyrrholtite.
	Numerous sediment remnants.	7 2200 932		
	617-6172 - white quartz veining - fa	ir pyrrhot	Lto.	
	6173-618 - Well banded sediment? rhyo			arsenobyrite.
	618-619 - Highly altered sediment.		1	
621-627	Brown sediment, "lenticular" banding	at end of	section	
627-6 50				
	629-630 - Fractured sheared rhyolite	well mine	malized	with fine
	pyrite.		1	
	630-630'10" Dyke.	h a a	100%	
650 p 671	6452-6461 Dyke? or altered granite Rhyolite and sheared rhyolite- some			a et fow
OSOBOLT	feet may be highly altered sediments			
	and little fracturing with white qua			WI SIII WILL
671-675	Green and brown banded.		7	
675-682	Green and dark banded some fracturing	g. Little	pyrite	in last
J. J 55 8	half foot.			
682-716	Green and grey to green and dark band	ded tuff?	daming	less distinct
	in last six feet. 6852-687 Dyke.	1	1	
	692-694 - Ground.			
	704-706 - Darker-fractured with quar	tk veining	gland mas	sive pyrrhotite
		1	<u> </u>	1 7

PICKUICOROWGOLD MINES LTD.

DIAMOND DRILL REPORT.

HASAGA Koval-Ohman Option

No. Description Footage Width Oz. V. 3 716-735 Grey highly altered and silicified sediment. Little pyrite and massi Green and brown banded. Some garne iferous tands. 725-755 End of Core. 755 End of Core. 756 End of Hole 758'.		Description	1	l .	700	
pyrrhotite. 735-755 Green and brown banded. Some garne iferous bands. 748-749 Dyke. 755 End of Core. 5 feet core in hole.	16-735		Footage	Width	Oz.	<u> </u>
735-755 Green and brown banded. Some garne iferous bands. 748-749 Dyke. 755 End of Core. 5 feet core in hole.		Grey highly altered and silicified	sediment.	Little	pyrite	and massi
Bottom of Hole 758.	35-755	Green and brown banded. Some garne 748-749 Dyke. 755 End of Core.	iferous t	ands.		
		Bottom of Hole 758.	,			
				;;, ;		.
		-				
					•	
		; ; ;				•
	·					

DIAMOND DRILL REPORTA

HASAGA Koval-Ohman Option

Hole No. D.D. E-62

Place Docation Direction Date

Brg. 523 F. -30° Sample Ase . Wiath Footage Qz. V NO. Description 33758 : Grey coarse set sed. Rusty fractures 0-2참 30n Nil little pyrite 30" 2½-5° 5-8 11 59 ditto 11 60 36" ditto 8-11 36" 61 ditto 62 Green & dark banded little facturing 24ⁿ 19-21 with bluish quartz 63 Green & Brown to dark irregulerly banded. 24" Little massive pyrr. 36-38 64 11 Grey sed. with green bands and 24" 48-50 massive min. 65 Green & Brown banded with massive pyrr. & arseno str. 51-52 12" 66 Slightly sil. grey sed. with massive 66-68 2411 very fine pyr. & pyrr. 67 ditto well fractured with bluish qta 24" 68-70 vicinity 30¹¹ 68: ditto less qtz. more massive min. 70-723 42" -691 ditto considerable white qtz. 72½-76 green and dark banded with good 24" 87-89 coarse arseno 18" 71 ditto much less mine 89-903 72 sheared carbonetized green & dark 18" 95-96表 with little pyrr. and chalco Light grey silicious sediment pyrite on fractures.

Green & dark poorly banded tuff with little fracturing 0 - 11 11 - 21 21 - 25 Dyke 25 - 45 Green & dark on brown banded. Narrow irregular bands little fracturing $26\frac{1}{6}$ - 3" dyke, 40 - 41'9" dyke. Rather charse grey sediment with massive green amphilplitic bands 45 - 50up to 6". Massive pyr. f pyrr min. up to 2" 50 - 66Massive green amphibolitic with mindr brown and grey bands and massive pyr. & pyrr. Generally grey sed. becoming well fractured and somewhat silicified 66 - 761after 68' considerable qtz. veining with massive pyr. & pyrr. min. 76 - 83 Coarse appearing poorly banded grey sed. With a little massive pyrr. - 87 Green & dark grey "lenticuler" banded 87 - 90計 Coarser green amphibolitic bands with minor dark bandling, tuff. with coerse arseno & little pyrr. Green (sometimes amphibolitio) and minor dark banded. Sheared and 903-117計 carbonatized appearance with narrow qtz & qtzl carb. Btr. Handing more pronounced in last half of section. Little pyrr. & chalco min. near 951. Dark green & blush green (carbonatided) bandel. Slightly more siliciou 1175-125 mure and massive in appearance. 125' End of Hole

DIAMOND DRILL REPORT.

Havatia

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

Koval-Ohman Option

N.5098.09
Place Location E.7673.55
Elev. 4993.03 Direction Brg. N.22W. Date

01-300 ינוע Sample A88. . . No. Description Footage Width Oz. Velue 33894 611 31-31층 Light sil. sed. pyr. min. NIL 95 32 1 3" - 3 3" 911 Ditto 11 33を"-35" 35を"-373" 181 96 Ditto 11 97 24" 0.70 Ditto 373"-40" 30" 98 Ditto little arseno Nil 0.35 26ⁿ 99 40"-4242" Darker grey sed. 4314"-451 20" 900 Ditto 45"-47哥 30**"** 2.80 Ditto 10 20" 478-50 Ditto 02 Nil 36" 1.40 **338**80 Grey sil. sed. 50 **–**53 24" 53 -55. 56½-58 Sil. grey sed. reddish weathering 4.20 81 18" 82 1.40 Reddish weathered sil. sed.or rhy. 24" 2.10 58 -60 83 Ditto 30" 3.50 2.80 84 60 -624 Ditto 85 86 67:10-701 26" Grey rhy little pyr. 30" 1.75 70 -721 Ditto 87 88 30" 1.75 722-75 Ditto 30m 2.45 Ditto 771-80 : 30" 1.05 89 Ditto 80~-814 18" 1.75 90 Ditto 813-83 84 -86 86 -88 18° 2.10 91 Ditto 24" <u>92</u> 2.45 Ditto 24" 93 1.40 Ditto - 8 0 Casing Green & grey banded - grey bands bluish & silicilied 8 - 27 Grey sed. with some light cherty bends. 27 - 53ground 28 - 29월 30 - 31 318-3213" 33 - 33 1 35 - 35 1 core bandly broken with many rusty seams 29g- 30 silicified with good pyr. 33½- 35 cherty with pyr. on fractures 36 - 39 light cherty bands 40 - 53 darker grey with little pyn & pyrr. Silicified sed. phy. finet grained and reddish in color from weathering of humatile core broken [55 - 56] ground $62\frac{1}{3}$ - 64 Ground 64~- 67(10" Dyke little arseno on north contact 67:10"-88 Grey rhy. fair fracturing sparce pyrite 83 - \$4 ground End of Hole 88

ECCHOCK XCBCH CXGGGGGCACATATA

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

Hole No. D.D. . \$-64..

llace Surface... Location Direction Date

Dip: 01 -65° 2001 -52° 4751 -43°

Dip:	01 -650 2001 -520 4751 -430	,			
Sample	Degeniation	Footoss	ואב זער		Value
No.	Description	Footage	Width	UZ.	ASTRA
33 829	Sheared rhyolite type: Very little	ļ. <u> </u>			j
•	pyrite.	258-260	24 "		nil
30	Altered grey sediment with bambs of		. 1	•	<u>.</u>
	fractured rhyolite. Fair pyrrhotit		-		I
	and arsenopyrite.	344-346	24"		nil
. 31	Fairly well fractured altered sed-	1 . [-	
	iment.	346-347	18"		nil
32	Silicified grey sediment with bluis	ħ l			1
	quartz stringers. Little fine				
	arsenopyrite.	350-352	30"		nil
3 3	Ditto	852½-355	30"		nil
34	Silicified grey sediment with coars	i ė "			1
	arsenopyrite associated with quartz	·			
•	stringers.	373-375	- 24"		nil
35	Dark grey silicified sediment minor		g - ii]
	fracturing and little pyrrhotite.	\$8 7 2-390	30"		nil
36	Altered dark grey sediment. Little				
	pyrite and arsenopyrite.	418-420	24 7		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 mineral			ľ	
	ized with pyrrhotite and pyrite.	4263-4283	24"	.	1.40
40	itto, few quartz stringers.	428 2 -4303	24"		1.05
41	itto, better fracturing.	430g-432g	24 ग		0.70
42	"Rolled rhyolite" fair fracturing	1		ļ	1
_	little pyrite.	434 18"-43"		.]	1.75
43	Ditto	437-439	24"	1	2.10
44	Ditto, little arsenopyrite.	439-440	18"	1	2.10
45	Altered sediment. Fair fracturing		1 :	1	1
	and little mineralization - mainly	1.01	04.77	1	1, 25
	ersenopyrite.	4403-442		i	1.05
46	Ditto	4423-4443	24 "		0,70
47	Altered sediment with bands of		1	}	- [
	"rolled myolite". Little mineral-	144	207	∤·	
	ization.	4442-447	30"		0.35
48	"Rolled rhyolite"	447-450	36"		1.05
49	Dark silicified grey sediment:	450 4501	10" 34"	1	m 47
5 ^	Little arsenopyrite.	450-452'		1	nil nil
50	Dark grey altered sediment.		da- 80%		1 1111
51.	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4562-458	24 "	1	1.75
E 0	iment.	4582-460	~1	1	nil
. 52		460-462		1	nil
53 54			£ 44.		1111
54		462-463	3" 15"		3.50
55	blue grey rhyolite		رند به		3.30
၁၁		f	1] .	,
	Very little mineralization-mainly arsenopyrite	46313"-4	65 21"	1	nil
		12000 24	T	1	1 111

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Page 2.

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

cole No. D.D. K-6A...

Ilace Arface... Location Direction Date

Sample :			l	2A	вау
No.	Description	Footage	Width	Oz.	Value
-			·		
33856	- Silicified grey rhyolite? sediment?	'	i		
ļ	Very little mineralization-mainly	ł			
į	arsenopyrite.	465-467分		,	2.10
57	Ditto	4675-4695	24."		4.90
58	Fine rhyolite and fractured contact			,	
3	zone all well mineralized.	4693-4713	24"		3.85
59	Intruded green and dark tuff? with		,		}
	fair arsenopyrite.	4713-474	. 30"		nil
į					
0-4	Casing.			l	
4-8	Grey well banded sediment.	1 .		ļ	
8-8 }	Broken core. Quartz fragment.	-			1
83-92	Fractured quartz diorite dyke with	h" quartz	vein.	1	
	la" dark fractured band along last			ragme	nt
	caught up in quartz.	Poz vaov o	1 43100	1-00	
91-11	Grey siliceous sediment.			{	}
11-141	Ground.				1 .
44-27		1 010+4 40	10 nt 3		1
148-C1	Grey sediment usually siliceous bu	ri arara in	11886 0	1661.	
00 00	19-19'10", and 22-24 Quartz diorit	er cykes	stitutty	snear	ea.
27-37	Sheared amphibolitic tuff. Some fr	racturing	with qua	TZ ST	Lineer
37-44 4		rted and r	ractured	with	pyrite
	on fractures. 42-53'9" Ground.		1	1	1
1'4"-46	Green and brown banded - amphiboli	tic in par	1.	1	
46-493	Grey slaty sediment.	1	ł	1	.
19 1 -98	Green sheared fractured and carbon	atized tuf	1? Light	in c	od lor
-	due to quartz carbonate.	1	1.	ķ	1
	54-56 - Ground.	į		.]	1
ļ	$71\frac{1}{8}-72^{4}$; $79-80\frac{1}{3}$, $98-101\frac{1}{3}$ Dykes.	Į.	l	1	į
)1 1 -118	Bine grained carbonatized tuff? Gr	ding thro	wh grae	n shes	hed.
- LIC	amphibolitic bands to grey slaty s				7 ~~
Ì	fractures and bedding planes.	Chimone Wi	At	9 0	1
L18-140	Dark reen (amphibolitic in part)	+++++2 1+ h	lama al	1 - 5+ 7 -	· lohoos
TTO-140		PATT: 14 TO 11	I BOWG ST	7 K 110 T 2	STORI
140 1463	sections.	h		445	
140-145 g	Grey somewhat siliceous sediment.			Arm do	lartz
. = 1	veining and minor pyrrhotite miner				
15g-148g	Green amphibolitip tuff? Well band	en and sne	egred at	una o:	rseot 10
	with quartz eyes.)	
	147'10"-148'3" - Quartz vein.			1.	j
19 <u>3</u> -187	Green and dark fine banded slightl				
	contact of dykes changing at 150'	t¢ dense g	reen to	bluish	green
	tuff? with occasional brown bands	to 160' af	ter 160	decom:	irlg
	very dense fine grained to cherty				-
	184-185 - Introduction of feldspar				inal
	slip or fracture.	7			· · · · · · · · · · · · · · · · · · ·
107_106	More normal light green slightly s	happed tut	· do	1	• }
187-195				ol on a	, , ,
L95-202	Brown and green fairly well banded	Sentiment	MICH SOL	ol one.	L UY
	brown bends.	1	i	1	1
		1	1	1	
	I .	ι,	ı		1

PROCESSES CROSS CONTROLS STANDOX

Page 3.

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

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

lace Surface... Location Direction Date

Sample :		1	<u> </u>	As	say
No.	Description	Footage	Wiath	Oz.	Value
202-210	Green sometimes amphibolitic tuff?	}		1	
	Little fracturing with quartz string	ers.			
210-229	Greenish to grey to blue green dinse		411000	Some 1	
#10-P89	sections fairly well banded. Fair f	me atum na	with one	wto of	ningone
į.		Languaring	WEAR day	102 3	THREE
000 000	Pyrite on slips and fractures.				
229-236		,			3 d
236-253	Generally green and dark bandes with		sug Bre	en se	TIMent
055 053	near middle of section. Little shee				4
253-271			lwieu mora	or ir	actur-
. i.	ing. A very little fine pyrite in I			1	
271-287	4" Generally dark Erey siliceous sed:		some min	or gr	een
	bands. Cores badly broken in places	3 .	<u></u>	_	
	$274\frac{1}{6}$ -275, $275\frac{1}{2}$ -276 3", 283 -284 $\frac{1}{2}$ grow	ind core.	Remnant	of d	yke
•	between 2842 and 285. Last 3 feet	of section	appear	\$ilici	ried.
37 '4"-288	Dyke.)	1		
288-291	Light grey slaty sediment.	1	1	}	
291-292	Dyke.		ļ	ļ	ļ
292-322	Grey sediment grading to brown and	reen"lant	ioular"	banded	2"
	garnetiferous band at 293'.	7		1	1
322-375	Grey sheared seddment becoming more	hilicifie	dand al	ered	after
D24-0.0	328'. Little fracturing with quarte	atringar	T.1tt	le nur	rhotite
1	mineralization and some muscovite.	201111001	7 2200	P	1 - 0 - 0 - 0 - 0
[339-341 - Dark and green garnetifered		Į.		1
ļ	3423-344'3" - Dyke - sheared micace		1	į .	
	344'3"-344'10" - Light porphyritic:	mbrolita f	hantum ad	mist h	1 th 1 th A
l	outer of the little one one muster	THYULLUG I	laclored	111 11	1 + 0
j	quartz veining little arsenopyrite.	o. Tigur	COTOLOG	Langor	100
į	with fair pyrrhotite at 346.		1.3444]	L
ĺ	Some pyrite, pyrrhotite and arsenop	Atire mine	Matizar n	qn, es	beciari
!	after 355'.	,	1.	ļ	•
i	370%-371 , Dyke.		1	1.	1
375-423	Darker grey finely banded silicifie	d sediment	Gradi	ng to	1
į	"sheared rhyolite" type in short se	opions.	ome frac	during	with
ì	white quartz veining throughout but	especiall	y from 3	ц8-323	
Ì	Some sections mineralized with fine	pyrite. I	ittle py	rhot i	te and
j	coarse arsenopyrite associated with	fractured	l zones a	nd qua	xtz.
	veining.	1	1	1	
123 1 −4261	Lamprophyre dyke out by band of "ro	lled rhyol	.ite" at	426.	
426 8 -450	"Rolled rhyolite" similar to 322' i	n E-35. E	dirly we	41 fra	dtured
 	with white to bluish quartzqstringe	rs Fair	pyrite	little	pyr-
	rhotite and very little spotty arse	nopyrite a	ssociate	d with	fracti
	ing. Some sections altered sedimen				1
	4322-434'8" - Lamprophyre dyke. Co	ntacts irr	ecular e	outti	Jg core
t	at flat angle.				
450-469	Altered dark grey sediment Fairly w	ell freat	med and	intrud	ida no
450-462	errored dark frey addiment railly w	440 m420	Minetion	The or all	ida 22
	quartz stringers. Little arsenopyr	T O MINOLS	******* * * * * * * * * * * * * * * *	+	J
	4562-4588 Stockwork of quartz strin	Zers rollo	white con	cortic	da in
	sediment. 452'10" - 454'4" - Lampr				
462-463	Fine blue grey rhyolite well fractu	red and mi	imeralize	d with	pyrit
	·		•		

THERETOGROW GOLD MINES OF IT.

Page 4,

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

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

Floce	Surface	Location	 Direction		Date	•••••	
1 1 5 C C	COCCOCCO	TOGACTOIL	 DITOCOTOR	* * * * * * * * * * *	Dava	••••	

C ple	Description	Footage	Wiath	Assay Oz. Value
463-469à	and pyrrhotite - sharp contacts. Grey rhyolite? silicified quartzition			
	fractured and with very little miner First 2" well fractured and mineral: rhyolite.			
469핥-470핞	Fine rhyolite - fairly sharp contact and pyrite.	s - well :	inerali:	ed pyrrhotite
470分-471分	Well fractured quartz intruded contagging by rite and pyrrhotite and arsenopyr		Well min	eralized with
471 1 -483	Green and dark banded somewhat alter rowfhyolitic bands. Some arsenopyr: sections and little pyrrhotite.	ebd - sili		
483-494	More normal dark grey sediment slight pyrrhotite mineralization.	tly fracti	red wit	little
	End of Hole 494.			

DIAMOND DRILL REPORT

DUPLICATE COPY POOR QUALITY ORIGINAL TO FOLLOW

Hole No. D.D. E-65 Koval-Ohman Option

HASAGA

Place Surface Location. Direction Date Dip: 0'-60° 200' -46°

Sample				Ass	ay
No.	Description	Footage	Width	Qz.	Value
33806	Rhyolite with pyrite on fractures	174-176	2411		nil
07	"Sheared rhyolite"	198-200	24"		0.35
08	"Sheared rhyolite" Little pyrite.	200-202⅓	30"	·	nil
09	Ditto	202 - 205	30"		1.05
10	Fractured sheared rhyolite with little		1	1	1
	chaleopyrite	212-213	12"		0.35
11	Grey silicified sediment - quartz	Į.			Ì
	stringers little arsenopyrite	282 - 285	30"	1	0.35
12	Ditto - better fracturing	285-287	24"	İ	nil
13	Some coarse arsenopyrite	287-288	12"	1	nil
14	Silicified grey sediment	288-290	24"		nil
15	Ditto	290-2925	30"		0.70
16	Ditto	292 2-295	30"	Ì	nil
17	Ditto	295-297-	30"	İ	nil
18	Ditto	29732-300	30"		nil
19	Highly altered sediment - sheared				1
	rhyolite fractured - white quartz			ļ	
	veining.	312-314	24"	1	nil
20	Ditto - less fracturing	314-316	24"	1	nil
21	Ditto - more silicified appearance				
	fine pyrite.	316-318	24"]	nil
22	Altered sediment.	318-320	24"		nil
23	Coarse rolled rhyolite, fine mineral-				
	ization.	320-322½	30"	1	0.35
24	Finer "rolled rhyolite" white quartz	_			
	veining.	3225-325	30"	1	1.40
25	Ditto	325-327-≥	30"		2,80
26	"Sheared rhyolite"	327 2-329	18	1	nil
0-9	Casing.				
9-11	Coarse dark green tuff		į	1	
11-22	Grey to dark slaty sediment with pyrite on s	slips and fr	actures.	1	
22-23 ¹ 2	Sheared dyke?	1	1	1	
23½-24½	Dark brown and light banded - sheared appear	rance.	,	1	ļ
241/2-26	Slaty sediment.	Į.			
26-263	Dark green micaceous dyke				1
2632-33	Green and brown banded sediment? with lighte	er more sili	ceous band	s	1
	in last foot.		1		
33-391/2	Massive green slightly carbonatized andesite	e 7		İ	
391,-421,	Bluish grey fairly dark siliceous dyke.	· ·	- [
42½-53	Green generally massive rock-andesite - frac	ctured and c	a bonatize	d.	
_	Some minor brown banding.	İ			
53-67	Similar to 42-53 but less fracturing and al	teration.			-
67-73	Tark green well banded tuff?	1			1
73-77	Dark finely fractured - carbonatized sedime	nt ?	1		1
77-83	Dyke sheared and contorted with quartz and	quartz carbo	nate strin	gers.	1
	Contact at very flat angle. Hole apparently	follows con	itact or ve	ery	1
	close to it.				
					{
			1	1	1
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PICKUR GROWGOLD MINES AFERT

DIAMOND DRILL REPORT.

HASAGA Koval-Ohman Option

Nole No. D.D. F-65...

Pl ce Sufface... Location Direction Date

າ. e	<u></u>		1	As	38 17
	Description	Footage	Width	Qz.	V Lue
380 6	Rhyolite with pyrite on fractures.	174-176	24"		nil
07	"Sheared rhyolite"	198-200	24"	!	0.35
08					
	"Sheared rhyolite" Little pyrite.	200-2023	30"		nil
09	Ditto	202 2 -205	30"		1.05
10	Fractured sheared rhyolite with litt				
	chaleopyrite.	212-213	12"		0.35
11	Grey silicified sediment - quartz	1:			
:	stringers little arsenopyrite.	2827-285	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	290-2923	307		0,70
16	Ditto	2923-295	304		nil
17	ditto	\$95-297\frac{1}{2}	30 "	}	nil
18	Ditto	\$973-300	30"		nil
19	Highly altered sediment - sheared	ĺ			1
- {	rhyolite fractured - white quartz	\		!	
	veining.	312-314	24 "	i	nil
20	Ditto - less fracturing	314-316	24"]	nil
21	Ditto - more silicified appearance	ļ	1.		
	fine pyrite.	316-318	24 "	}	nil
22	Altered sediment.	318-320	24 n	!	nil
23	Coarse rolled rhyolite, fire mineral		1		
20	ization.	323-3223	30"	1 .	0.35
24	Finer "rolled rhyolite" white quart:			i .	10.00
43	veining.	\$22±-325	30"	1	1.40
25	Ditto	325 - 327 h		1	2.80
25				· [
26	Sheared rhyolite.	3273-329	18"	1	nil
0-9	Casing.	.		1	
9-11	Coarse dark green tuff?			1	Ï
11-22	Grey to dark slaty sediment with py	rite on sl	ins and	firactu	mes.
22-23%	Sheared dyke?	100 02 02	700		7
3½-24½	Dark brown and light banded - shear		100	1	
		ent whhoure		1	1
$4\frac{1}{2} - 26$	Slaty sediment.		1		†
26-26			L		
26g-33	Green and brown banded sediment? wi	rh Tigurer	more ar	Нгавод	is pands
	in last foot.		1		
33-393				1	1
93-423	Bluish grey fairly dark siliceous d	уже.	1	{	
2 1 -53	Green generally massive rock-andesi	tio - frac	thred an	doard	odnatized
ca ca	Some minor brown banding.	- land - 34-		}	
53-67	Similar to 42-53 but less fracturing	gland arre	terron.	1	
67-73	Dork green well banded tuff?	_ {			1
73-77	Dark finely fractured - cerboy and	4 sediment	?		- [
77-83	Dyke sheared and contorted with well			bonete	stringe
., .	Contact at very flat angle. How &	ona rent l v	follows	contec	th on won
•	close to it.		- [] -		A OF YAR
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Page 2.

DIAMOND DRILL REPORT

POOR QUALITY ORIGINA.
TO FOLLOW

Hole No. D.D. E-65....

Place Surface Direction Date

Sample		En====	Width	Ass	
No.	Description	Fcotage	WIGER	Qz.	Value
83-86	Brown and green banded - fractured with quart	z carbonate	stringers		1
86-93 ³ 2	Massive green band with flecks and stringers carbonate.				
93½-100¾	Grey sediment - light to dark in colour. Lit	le fracturi	ng with		
100½-128	Dark green to blue green massive sometimes as Little fracturing with white quartz stringers		tuff?		
128-174	Green and brown banded with some cherty bands Some fracturing with white quartz stringers. micaceous dyke.				
174-176	Blue grey porphyritic rhyolite. Fractured wi	h pyrite or	slips.		
176-177	Gouge and highly sheared rock. Probable faul				
177-193	Dark slaty sediment grading to green and dar garnets.		f? Few		
193-217%	Dark grey highly silicified sediment grading	to "sheared	<u>a</u> }₁		1
	with fine pyrite - minor fracturing. Little chaleopyrite in fracture at 213'.				
217 ¹ ₂ -225	Silicified green and grey banded sediment? w	th little ;	pyrrhotite		
225-2323	Cherty sediment grading to dark grey sedimen 226-227½ - Cherty greenish grey breccia zone	t at end of	section.		
232 ¹ 2-262	Green and grey to green and brown banded tuf banding"	Ĭ			
262-280	Grey sediment becoming progressively more al with white quartz stringers.	tered. Litt.	le fractur	ing	
280-320	Silicified grey sediment, fair fracturing wi			nd	1
	veining - especially at 286'. Coarse arsenop Little fine pyrite throughout. Some muscovit			1	
	General appearance of "sheared" rhyolite.	on Traceu	175.		
	302-10" white quartz vein.		1		
	3035-305 ~ Cherty sediment.				
222 222	310-313 - Better fracturing.	, , , , ,			
320-322	Coarse "rolled"rhyolite - almost granitic appyrite and arsenopyrite?	pearance. L	ittre tive	'	
322-328	Finer "rolled" rhyolite. Some fracturing wit	n white qua	rz veinin	g.	
328-329	"Sheared" rhyolite - white quartz veining wi	ith pyrrhoti	te.]	
	End of hole; 329'				
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Page 2.

DIAMOND DRILL REPORT. HASAGA Koval-Ohman Option

Hole No. D.D. E-65.

Place Surface. Location Direction Date

Sample			į	Ass	ау
<u> 20.</u>	Description	Footage	Width	02.1	/alue
83-86	Brown and green banded - fractured w	4 h ayam+	Lanzbana	٠. معا	
86-93h	Massive green band with flacks and s	tringuary	t garbons	0 804	.Tugera.
00-30g	carbonate.	rating era	er diare	c en a	uartz
93 1 -100 វ៉ូ	Grey sediment - light to dark in col	hn T:++	a frant		4 4h
208-100B	pyrite.	or. nree	To Trace	Trying h	▼ 011
00월~12(:	Dark green to blue green massive som	etimos om	hhibalit	A +11 PM	••
008-150	Little fracturing with white quartz				• •
128-174	Green and brown banded with some che			8-150	
100-114	Some fracturing with white quartz st	mingers.	1343-13	Greet	
ì	micaceous dyke.	1 -116 01 5 .	1013-10	1 5100	•
174-176	due grey porphyritio rhyolite. Fra	htured wi	th pyrit	e on st	lins.
176-177	Gouge and highly sheared rock. Prot	able faul	zone.		
177-193	Dark slaty sediment grading to green			tuff? i	Few
	garnets.	1			_
193-217計	Dark grey highly silicified sediment	grading	to "shea	red"	
~	rhyolite with fine pyrite - minor fr				
ļ	chaleopyrite in fracture at 213'.	1		\	
2172-225	Silicified green and grey banded sed	liment? wi	th littl	e pyrri	notite.
225-232	Cherty sediment grading to dark grey	sediment	at. end	of sec	tion.
1	226-227 - Cherty greenish grey bred	bia zone.	. •	-	
2322-262	Green and grey to green and brown be	apded tuff	'7 "Lenti	qular	
ļ	banding".	1			
262-280		/more alt	ered. I	ittle :	fracturi
	with white quartz stringers.		.1		
280-320					ers and
į	veining - especially at 286'. Coars				Į
İ		i vecesum	rie on ir	goture	8•
į	General appearance of "sheared" rhyo	Lite.	1 .		
1	302 - 10" white quartz vein.	1.	,	,	
	2033-305 - Cherty sediment. 210-313 - Better fracturing.	:	<u> </u>	1	1
320-322		renitia an	. lear and e	Litt	a fina
050-055	pyrite and arsenopyrite?	Limitary of	The are	7 2200	1
322-328	Finer "rolled" rhyolite. Some fract	thrine wit	white	duartz	vain in g
328-3291	"Sheared" rhyolite - white quartz ve	ihing with	lovrrhot	ite.	
020 027					}
	End of Hole 329'.		1 '		
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DIAMOND DRILL REPORT HASAGA

PICKLE CROW GOLD MINES LTDUPLICATE COP POOR QUALITY ORIGINA TO FOLLOW

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

Sample	Description	Footage	Width	Ass	
No.	Descripcion	Tootage	, , , , , , , , , , , , , , , , , , ,	Qz.	Value
34007	Silicified grey sediment with good		1		1
	pyrrhotite (Whole Core.)	549-550	12"		nil
80	Silicified grey sediment finely		l . l		
	mineralized (Whole Core)	574-575	12"		6.30
33988	Lighter siliceous band with bluish		1		İ
	quartz stringers and massive pyr-	_			
	rhotite.	659½-662	30"		nil
89	White quartz vein with coarse arseno-		1		
	pyrite in sedime.t.	674-676	24"		0.35
91	Silicified sediment with fair arseno-		1 1		
	pyrite and little pyrite.	676-6775	18"		1.75
92	Silicified sediment intruded by rhyolite	1	1 1		1
	with little fine pyrite and arseno-	222	0011		0.00
	pyrite.	677-2-680	30"		2.80
93	Ditto	680-6821/2	30"		nil 1.75
94	Ditto	682 - 685	30"		
9 5	Ditto	685-6871/2	30"		2.80
96	Ditto	687½-690	30"		nil nil
97	Ditto, more rhyolite.	690-6923	30"		nil
98	Ditto	6921/2-695	30"		
99	Ditto	695-697	24"		0.35
34000	Ditto, little better mineralization.	697-698	12"		4.20
01	Rhyolite fractured with quartz stringers		01.17		1.40
	and good fine pyrite and arsenopyrite	698-700	24" 24"		2.10
02	Ditto	700-702	18"		3.15
03	Fine rhyolite - little mineralization	702-703 2	18"		1.05
04	Ditto	703½-705 705-707½	30"		nil
05	Ditto. Fair mineralization.	705-7075	30"		0.35
90	Predominantly dark sediment.	10/2-110	30		1 0.03
33990	Slicified dark sediment with	730-7323	1		3.50
	numerous quartz stringers.	/304/32/2	1		0.50
0-5	Casing			İ	-
5-12	Green and dark fine irregularly banded se	ediment.			
12-24	Dark grey to light green cherty sediment	with little f	racturing a	hđ	1
	occasional narrow quartz stringers.	į		ŀ	
24-98	Dark and green to grey and green sediment	t. Occasional	quartz str-		
	ingers.			}	1
	40-42 - Dyke		į		1
	Grading to finer more siliceous grey sed	iment.			
	92-92 - Green carbonatized shear zone?		1	1	
98-153	Sediment generally fine and well banded.	Occasional qu	artz string	ers	
50 200	some slaty and siliceous sections. Little	e pyrite and p	y#rhotite	1	
	generally on bedding planes.	•	- <u> </u>		
	123-132 - Considerable white quartz vein	ing.	-	1	1
153-170	Dark green massive to green and brown bar			1	l
130-110	159'8"- 160'4" - White quartz.	1		1	
	1000				
				1	

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DIAMOND DRILL REPORT. HASAGA Koval-Ohm.n Option

Mole No. D.D. E-71

Close Surface... Location Direction Date

Dip: 0' -650 100' -620 300' -420 500' -390 700' -330

Dip: 0	1 -65° 100 1 -62° 3001 -42° 500 1 -39°	700 -330		Asu	9V
ov∷bre i	Description	Footage_	Wiath		elue
1			*	7	
34007	Silicified grey sediment with good				
i	pyrmotite. (Whole Core)	549-550	ાં જુજ		nil
80	Silicified grey sediment finely				
ĺ	mineralized. (Whole Core)	574-575	12"		6.30
339 88	Lighter siliceous band with bluish	1		1	*** *
	quartz stringers and massive pyr-	1 _ 1	·		
1	rhotite.	659 1 -662	30 ™	\	nil :
89	White quartz vein with coarse arsen			1	* ** **
	pyrite in sediment.	674-676	24"	1	0.35
91	Silicatied sediment with fair arsen			1 1	
	pyrite and little pyrite.	676-677社	18"	l (1.75
92	Silicified sediment intruded by rhy	dlite	*	1 1	
	with little fine pyrite and arseno-	•		1	
	pyrite.	6773-680	'30 "	1	2.80
93	Ditto	680-682		1 1	nil .
94	Ditto	6822-685	30"		1.75
95	Dit to	685-687		1 1	2.80
96	Ditto	687 a-690	30"		nil
97	Ditto, more rhyolite.	690-692		1	nil
98	Ditto	6921-695	30"		mil .
99	Ditto	695-697	24"		0.35
34000	Dit to, little better mineralization		12"		4.20
01	Rayolite fractured with quartz str			1.	
	and good fine pyrite and arsenopyr:		24 "		1.40
02	Ditto	700-702	24 ⁿ	1	2.10
03	Fine rhyolite - little mineralizat:				3.15
04	Ditto	7021-705	18"	- 1	1.05
05	Ditto fair mineralization.	705-707			nil
06	Predominantly dark sediment.	7071-710	30™		0.35
33990	Silicified dark sediment with)	7 50
	numerous quartz stringers.	730-732	•	[3.50
٥. ٦	0.		ļ	1	
0~5	Casing.	. بد. داد.	1.	į.	
5-12	Green and dark fine irregularly ba	med secime			
12-24	Dark grey to light green cherty se	gillient with	1112210	iractu	trug sur
04.00	occasional narrow quarts stringers		1	3	
24-98	Dark and green to brey and green s	earment. c	фсизтопя	u quar	Z SUF-
	ingers.		l	1	i
	40-42 - Dyke.		•	}	{
	Grading to finer more siliceous gr		1].	•
00 167	92+92y - Green carbonatized shear		delenal	chi a mt m	gtnincono
98-153	Sediment generally fine and well b	anged. Out		dom	12017119013
	some slaty and some siliceous sect	min.	na barr	d am	AALL TO CT CO
	generally on bedding planes.	a doint na	-{	1	1
167 170	123-132 - Considerable white quart		1000		1
153-170	Dark green massive to green and br	AME DATIGOR	darr.	'	
	159'8"-160'4" - White quartz.	. 1	1		1
	· · ·	1	į	· I	**

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Page 2.

DIAMOND DRILL REPORT. HA SA GA Koval-Ohman Option

Nole No. D.D. F-71.

Ilace Surface... Location Direction Date

Sample :	X			AE	say
No.	Description	Footage	Width	Oz.	Value
į.			,		ŀ
170-294	Fine light grey well banded to dark	c sediment.			
į	188-189 - Ground.		•	·	
•	207-2083 - Dyke.	03.5 7	l ,	الم فمما	
204 200	Greenish bands beciming common after	er 210. Py:	Lite on	add m	R branes.
294-299	Predominantly dark green tuff? 295-2962 - Dyke.	.	j	}	
299-310	Grey fine sediment with pyrite on	bedding pl	anes.	1	
310-343	Dark green sheared tuff? Gradation	all contac	ts.	1	
343-350	Dark poorly banded sediment.	1	{	ļ	
350-375	Dark green sometines amphibolitic	with manor	brown b	nds.	
	358g-359g - Grey sediment.	 	1	1	}
375-465	Green to bluish green in color - g	eperally f	ine grain	ed.	{ _
	Occasional quartz stringers and co.	nbider able	pyrrho#	ite mi	peral-
	ization up to 400.	_	•		
•	385-385g - Quartz vein with tourma	line.]	1	
	400-410 - Considerable quartz vei	ning with	tourmal1	ne.	'
	416-416 - Quartz vein.		هيد نيدا	1	la.a
465-505	Dark green sheared amphibolitic so	mer mes gr	den and	prown	panded
	tuff?	1	 -	,	
505-518	487-489 - Grey rhyolite. Fairly well banded grey sediment w	th opened	dral ma	nto et	ringers.
518-527	Green and grey to green and brown	lenticular	han ded .	102 30	111002.
527-532	Grey siliceous well banded sedimen	ti.	10000	1	1
532-541	Green and dark banded with few gar	nets - som	what si	dioife	ed.
541-582	Grey silicified sediment generally	well band	ed. Lit	tle py	rrhotite.
0.11	mineralization especially strong f	rom 549-55	d.	.]	
582-595	Grey to brownish sheared sediment:	Few garr	ets. Li	ttle (pharse
	arsenopyrite.			}	}
595-6591	Green and dark lenticular barded t	uff? gradi	ng togr	en ar	d grey
	to brownish. Last 4 feet brownish	sheared a	sediment?	' <u> </u>	1
Ì	622-623'3" - Ground.	1	1		
_	639½-640 Groupd.			1	
659 3-662	Somewhat more siliceous band with	some light	green	ection	1\$. Bluish.
	quartz stringers and massive pyrri	otite mine	malizati	ign.	
662-674	Brown to dark sediment slightly sh	leared with	carbona	110 110	ecks
}	and stringers. Narrow white quart	z veins es	siecrarr?	1111 13	18¢ 100¢ MT
	associated coarse arsenopyrite.		i domic c	daimo	it on south
674~676	White quartz vein with coarse arse	enopyrice .	in dark.	darmer	I OH SOUTH
CRC 810	contact. Dark silicified sediment intruded	hi mhyol 14	e and ar	at hur s	שוריים
676-710	quartz stringers. Little pyrite,	of Injuri	the and	overboi	t te minera
ļ	ization.	W. SOHO DAL	- 10		1
ì	695-705 Predominantly rhyolite fra	actured and	dout hy	narro	w ouartz st
. [ingers. Fair to good fine pyrite	and arsen	novrite	ilnera	lization.
i	698-698 - White quartz with arse	nobvrite.	7, "		
710-747	Dark to brownish sheared sediment	with narm	nea onante	z latri	nders and
110-141	some muscovite. Some silicified	sektions w	ith annes	TAMA	of rolled
		nimehotit	e in come	1000+	idna -
1	rhyolite. Little fine pyrite and	AALLIM 67.0	o m on mile	، امور،	-U-0 T

PICKER CROWN GOLD, MINES COVE

Page 3.

DIAMOND DRILL REPORT.

HASAGA

Koval-Ohman Option

Hold No. D.D. #-71...

Sample	Deg	scription		Footage	Wiath	A	Volue Volue
7 47 -7 50	742-543 - Dyke .	Dyka.					
	End	of Hole	750'.				
	• •	<i>:</i>				.4	•
	•	•					
	•		,				
						en e	•• •
	. •	•				·	
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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

Din -300

Elev.	4999.25	6973.98 E.	Dip -30°		
Sample No.	Descripti	on	Footage	Width	Assay Qz. Value
			0-23	30''	2.10
-12.5'	Sediments 0-9'3" Siliceou	is grey to brownish		30	7.35
	a siliceous mica		- 2½-5 5-7	24	7.00
·		arsenopyrite; some		6	1.75
		ections have pyrite		21	nil
	and pyrrhotite. 4		9'3"-11'	21	2.10
	6" at 7";	quarez de 11,	11-123	18	nil
	o acr,		12 - 15	30	9.10
	913"-1216" - Chlc	orite sericite schi	st 15-17-2	30	nil
	Good bedding 600	orite sericite schi to core axis. All	173-20	30	nil
]	with finely disse	eminated arsenopyri	te 20-2212	30	nil
3		in more siliceous b		30	nil
	n litero pyrico .		25-28	36	nil
2 ' 6'' - 57 '	Sediments quite i	uniform, dark almos		36	nil
2 0 ,	hlack schistose	with a few garnets		36	3.85
	un to ½". Finely	banded appearance	34-37	36	Tr.
		ion. Fine dissem-	37-40	36	0.70
	inated arsenopyr	ite throughout but	40-43	36	0.70
		decrease with dista		12	1.05
	43'-44' Dioritic		44-47	36	nil
	medium g		47-50	36	nil
		zation 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' tr	ue width	
	DUPLIC	ATE COPY			
	POOR QUA	ALITY ORIGINAL FOLLOW			
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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° Assay Sample Wiath Oz. | Value Description Footage. No. 0-12-51 Sediments. 0~2表 30m 2.10 0-913" Siliceous grey to brownish-21-5 30 7.35 a siliceous mica schist. Finely 24 5-7 7.00 mineralized with arsenopyrite; some 7-73 1.75 more siliceous sections have pyrite 73-913" 21 nil and pyrrhotite. 4" quartz at 11: 9131-111 21 2.10 6" at 71; 11-12} .18 nil 121-15 *-*/30 9.10 9:3"-12:6" - Chlorite serioite schist. 15-17 30 nil Good bedding 60° to core axis. All 30 173-20 nil with finely disseminated arsenopyrite. 20-22% 30 nil A little pyrite in more siliceous bands.222-25 30 36 nil nil 1216#-57 Sediments quite uniform, dark almost28-31 36 nál black, schistose with a few garnets 36 31-34 3.85 up to in. Finely banded appearance 36 34-37 Tr. due to silicification. Fine dissem-36 37-40 0.70 36 inated arsemopyrite throughout but 40-43 0.70 amount seems to decrease with distance. 43-44 12 1.05 43'-44' Dioritic dyke, fine to 36 44-47 nil 36 medium grained. 47-50 nil 40'-57' Mineralization very weak. 36 50-53 nil 53-57 0.35 End of hole 57' Average value 21 -7! \$7.20/4.5! or 3.9! true width.

DIAMOND DRILL REPORT

Hole No. D.D. X-2....

Description	Footage	Width	1 0-	111 3
			Qz.	Value
Graywacke sheared, dark grey to brown		-		
medium grained, dark grey to brown	0-23/2	30"	1	nil
			1	nil
	1		1	4
			j	nil
	7-8	12	ļ	nil
			1	
	i i			nil
		1]	nil
		7	ļ	1.40
A few darker sections around 25, 29		1	1	3.15
31 and 33.	161/2-181/2	24		2.45
27-28 - resembles acid altered dyke.	18 2-20 2	24		6.65
33-35'8" - fine grained dark dyke.	201/2-221/2	24		3.85
	22½-23½	12	1	nil
	23½-25	18	1	6.65
		1	1	3.50
Selective silification adds to		1	1	3.85
				5.60
				3.85
	_			3.15
1	1	1		2.45
		•		4.20
		1		4.55
	1	1		
67%-77 - mineralization weakens rapidly.	1	i .	1	3.50
	1	1		8.05
End of hole 77'		L		5.55
		· ·		4.90
		24	İ	4.90
Average from 14½' to 60½'	50-511/2	18		3.15
	511/2-531/2	24		4.55
\$4.63/46.0' or 39.9' true width.	531/2-551/2	24		7.70
		12		0.70
		1		9.45
		L.	}	3.85
		1	į	2.80
				nil
		1		0.70
		1	ł	0.70
				nil
			1	3
DUDITO ATE CODY	73-77	48		nil
DUPLICATE COPT	1	1		
BOOR OHALITY ORIGINAL	†	1		
POUR QUALITY OF ING.		1		
TO FOLLOW]	1]	
,	-	1		,
			1	
			1	
		Į.	į.	
			1	
	}	1	ł	1
	Sediments-altered graywacke. silification and mineralization increasing rapidly Very siliceous. Mineralization not too plentiful to 16½ and mostly pyrite. Well mineralized thereafter. 22½-23½ - Diorite dyke; medium grain. A few darker sections around 25, 29 31 and 33. 27-28 - resembles acid altered dyke. 33-35'8" - fine grained dark dyke. Dark type sediments finely banded and sheared. Arsenopyrite is very finely disseminated throughout.	Sediments-altered graywacke-silification and mineralization increasing rapidly Very siliceous. Mineralization not too plentiful to 16½ and mostly pyrite. Well mineralized thereafter. 2½-23½ - Diorite dyke; medium grain. A few darker sections around 25, 29 31 and 33. 27-28 - resembles acid altered dyke. 33-35'8" - fine grained dark dyke. Dark type sediments finely banded and sheared. Arsenopyrite is very finely disseminated throughout. Selective silification adds to banding. Best section is around 58' where rock is heavily silicified as well as mineralized. 5½-55½ - Silicification amounts almost to a vein with inclusions epidote. 67½-77 - Mineralization weakens rapidly. End of hole 77' Average from 14½' to 60½' \$4,63/46.0' or 39.9' true width. DUPLICATE COPY FOOR QUALITY ORIGINAL	Sediments-altered graywacke silification and mineralization increasing rapidly Very siliceous. Mineralization not too plentiful to 16½ and mostly pyrite. Well mineralized thereafter. 22½-23½ - Diorite dyke; medium grain. A few darker sections around 25, 29 31 and 33. 27-28 - resembles acid altered dyke. 33-35'8" - fine grained dark dyke. Dark type sediments finely banded and sheared. Arsenopyrite is very finely disseminated throughout. Selective silification adds to banding. Best section is around 58' where rock is heavily silicified as well as mineralized. 55½-56½ - Silicification amounts almost to a vein with inclusions epidote. 67½-77 - Mineralization weakens rapidly. End of hole 77' End of hole 77' Average from 14½' to 60½' 54,63/46.0' or 39.9' true width. DUPLICATE COPY POOR QUALITY ORIGINAL	Sediments-altered graywacke silification and mineralization increasing rapidly Very siliceous. Mineralization not too plentiful to 16½ and mostly pyrite. Well mineralized thereafter. 22½-23½ - Diorite dyke; medium grain. A few darker sections around 25, 29 31 and 33. 27-28 - resembles acid altered dyke. 33-35'8" - fine grained dark dyke. Dark type sediments finely banded and sheared. Arsenopyrite is very finely disseminated throughout. Selective silification adds to banding. Best section is around 58' where rock is heavily silicified as well as mineralized. where rock is heavily silicified as well as mineralized. 55½-56½ - Silicification amounts almost to a vein with inclusions epidote. 67½-77 - Mineralization weakens rapidly. End of hole 77' Average from 14½' to 60½' S4.63/46.0' or 39.9' true width. DUPLICATE COPY POOR QUALITY ORIGINAL

DIAMOND DRILL REPORT.

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

Place Suffere.. Location 5002.2.N. Direction \$.25.8... Date .987.53. Elev 4999.6

Sample	· · · · · · · · · · · · · · · · · · ·	1		Assay
No.	Description	Footage.	Width	Oz. Value
0 - 12 }	Graywacke sheared, dark grey to brow	-	ļ	‡
2-1-B	medium grained,	0-23	30*	nil
12 1- 17	Sediments-altered graywacke		30	nil
TSEAT		21-5		
	Silicification and mineralization	5-7	24	nil
	inoreasing rapidly.	7-8	12	nil
17-42	Very siliceous. Mineralization not			1
	plentiful to 16 and mostly pyrite.	8-10	24	nil
	Well mineralized thereafter.	10-12	24	nil
	222-232 - Diorite dyke; medium grain	n•12-14 §	30	1.40
	A few darker sections around 25, 29	142-163	24	3.15
	31 and 33.	163-18	24	2.45
	27-28 - resembles acid altered dyke	18 - 20 -	24	6.65
	33-35'8" - fine grained dark dyke.	20 - 22	24	3.85
42-77	Dark type sediments finely banded		12	nil
·- //	and sheared. Arsenopyrite is very	232-25	18	6.65
	finely disseminated throughout.	25.26	12	3.50
	Selective silicification adds to	26-28	24	3.85
		28-30	24	5.60
	banding. Best section is around 58		70	
	where rook is heavily silicified as	30-323	<u>30</u>	3.85
	well as mineralized.	321-35	30 9	3.15
	55元-56元 - Silicification amounts	35-3519"	9	2.4
	almost to a vein with inclusions	3519"-38		4.20
	epidote.	38-41	36	4.55
	671-77 - Mineralization weakens rap	idly.		
		41-42	12	3.50
		42-44	24	8.0
	End of hole 77'	44-46	24	5.29
•		46-48	24	4.90
		48-50	24	4.90
	•	1 7 -	18	
		50-513		3.1
	√	514-534	24	4.5
		533-553	24	7.79
		55 - 56 - 56 - 58 - 56 - 58 - 56 - 58 - 58	12	0.70
	Average from 141 to 601	561-581 581-601	24	9.4
		58 8-608	24	3.8
	\$4.63/46.0' or 39.9' true width.	601-621	24	2.80
		62 1-65	30	nil
		65-67	30	0.70
	·	671-70	30	0.7
	1 ·	70-73	30 36	nil
•		13-11	48	nil
		12-11	70	
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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 7033.6 E Dip -30°

Elev 4999.8

Sample				Ass	ay
No.	Description	Footage	Width	Qz.	Value
29262	戈" veinlet with arsenopyrite	u1. c			
63	Altered greywacke not much mineralization	4½-5 5-7½	6"		1.75
64	Ditto	7 ¹ 2-10	30		nil
65	Ditto		30		.70
66	Dark sediments, mineralization inc-	10-123	30		1.40
00	reasing. Some arsenopyrite.	12 - 15]
67	Ditto	12-15 15-17-2	30		nil
68	Siliceous; well mineralized - mostly	12-11-2	30		.35
00	pyrite pyrite	173-20	ا مما		
69	Ditto	20-22	30		2.80
70	Ditto		24		.70
71	Dike	22-24 17"	31		3.85
72	Siliceous; well mineralized	24'7"-25'10	1		nil
	Ditto	25'10"-28	26		6.30
73	Ditto	28-30	24		9.10
74	· ·	30-32	24		11.20
75 75	Ditto. Slightly darker	32-33	12		8.05
76	1/8" veinlet with several spots				1
	pyrite	33-34	12		18.90
77	Dark sediments. Still somewhat silic-		2		
	eous arsenopyrite	34-36	24		11.90
78	Dark sediments. Still considerable	}	1		
	siliceous arsencpyrite. 10" dike	36-38	24		7.00
79	Ditto. 1" vein with much arsenopyrite				
	Less siliceous.	38-40	24		4.90
90	Ditto. 10" ground	40-42	24		1.05
81	Ditto	42-4435	30		1.05
82	Ditto	4432-47	30		4.20
83	Dark sediments. Stringers and vein-	1			1
	let. Arsenopyrite.	47-493	30		12.60
84	Ditto	49 ¹ 2-52	30	.	14.70
85	Ditto	52-54½	30		5,25
86	Ditto	543-57	30		4.90
87	Ditto	≿ -59½	30	1	10.50
88	Ditto	59½-62	30	1	9.45
89	Ditto	62-64 ¹ / ₂	30		12.60
90	Ditto	6432-67	30		20.65
91	Green sediments. Fair arsenopyrite	67-69-	30		8.75
92	Ditto	593-72	30	1	11.20
93	Ditto	72-743	30	ļ	11.55
94	Ditto	743-77	30	l	.35
95	Ditto	77-79	24		.35
54		,-13	27		.35
	From 28' to 741/2' average value = \$9.20/48.6	or 42.21	true wid	h.	
	DUPLICATE COPT				
	POOR QUALITY ORIGINAL			1	1
	TO FOLLOW	Ì	1	1	Ì
	101011	ì	1	1	1

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 -300

ample	<u> </u>			Assay
No.	Description	Footage	Wiath	Oz/¡Value
-				į
9262	1" veinlet with arsenopyrite	43~5	6n	1.75
63	Altered greywacke not much mineralize	\$10n 5-73	30 ⁿ	nil
64	Ditto	73-10	30"	.70
65	Ditto	10-12 1	30"	1.40
66	Dark sediments, mineralization inc-			
•••	reasing. Some arsenopyrite.	121-15	30 P	nil
67	Ditto	15-17±	30"	.35
68	Siliceous; well mineralized - mostly	10-118	00	•00
OB		171-20	30 m	2.80
60		20-22	24"	70
69	Ditto	20-22 20-24	4%" 71 B	
70	Ditto	22-2487"	31	3.85
71	Dike	4 4"-25 1	0" 15"	nil
72		5'10"-28	26"	6.30
73	Ditto	28-30	24 ^R	9.10
74	Ditto	30-32	24 ⁿ	11.20
75	Ditto. Slightly darker	32-33	12"	8.05
76	1/8" veinlet with several spots		1	
	pyrite	33-34	12"	18.90
77	Dark sediments. Still somewhat silic-	4	ļ	
• •	eous arsenopyrite	34-26	24"	11.90
78	Dark sediments. Still considerable	02 00	""	
10	siliceous arsenopyrite. 10" dike	36-38	247	7.00
20	Ditte If main with much organizate	1	""	''
79	Ditto. 1" wein with much arsenopyrite	38-40	24 P	4.90
	Less siliceous.		24m	1.0
80	Ditto. 10" ground	40-42		
81	Ditto	42-44	30"	1.0
82	Ditto	445-47	30*	4.20
83	Dark sediments. Stringers and vein-			
	let. Arsenopyrite.	47-49	30"	12.6
84	Ditto	493-52	30"	14.7
85	Ditto	52-54	30 ^m	5.2
86	Ditto	54 1 -57	30 *	4.9
87	Ditto	57-59 ±	30*	10.5
88	Ditto	59½-62	30 "	9.4
89	Ditto	62-64 1	30"	12.6
90	Ditto	642-67	30 n	20.6
	· · · · · · · · · · · · · · · · · · ·	67-69 1	30"	8.7
91	Green sediments. Fair arsenopyrite	69 1 -72	30×.	11.2
92	Ditto		30"	11.5
93	Ditto	72-74		.3
94	Ditto	745-77	30*	
95	Ditto	77-79	24*	.3
			J	1
	From 28' to 74%' average value = \$	7,20 ø 48.	or 42	2' true
				width
•]	
:		1	1	
		1	}	

DIAMOND DRILL REPORT.

Hole No. D.D. 4-3.cont.

Place	Location	 Direction		Data	
TTOO ******	TOCACTOR	 DITOCATON	• • • • • • • • •	Dave	

Sample No.	Description	Footage	Width		ssay Value
0-5 <u>1</u> *	Graywacke: very little alteration. Fine banding.			· · · · · · · · · · · · · · · · · · ·	
	3'2"-3'10" Diortic dike; medium grain .				
	$4\frac{1}{2}$ $\frac{1}{4}$ veinlet with much arsenopyrit 30° to core axes.			,	
à'-17à'	Sediments (origionally graywacke) Alteration and mineralization increasing.				-
7 <u>1</u> 1-34'	Siliceous sediments; (siliceous serischist) Well mineralized, - mostly pyrite; a little pyrrhotite and arsenopyrite.	loite			
-	24'7" - 25'10" Diortic dike as in trench.			,	
64*-67 <u>2</u> *	Dark sediments. First 5' still fairle 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" 12" quartz with menium grained arsenopyrite . 42' About 10" ground near here.	a			
57 <u>1</u> -79 °	Sediments: generally greenish in color with streaks and narrow bands of the darker sediments above. Still fairly well mineralized with arsenopyrite.	1			
	682'-692' Diortic dike. Percentage dark bands higher from 76'.	0.1	}		
,	End of hole 79°				
· :					

DIAMOND DRILL REPORT.

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

5019.83 N. 7127.81 R.

Place Surface

Location Trench. 3B.. Direction N. 33. W. ... Date Sept. 53..

Dip -30° Elev 4998.5 Sample Assay Width No. Oz. Value Description Footage 0-216 30° 0.70 Dark sediments - garnets of various 2:6"-5" 0-718" 30 2.10 sizes prominent. Mineralization incre- 51-718" 32" 1.40 ases from 21 to contact with siliceous7'82-10' 26# 10.15 sediments. Arsenopyrite, pyrrhotite and pyrite present with arsenopyrite 36 10-131 4.55 131-1411" 13 nil prominent near contact. 1411#-161 23" 3.15 Siliceous sediments. Abundant 161 - 181 24 7184-17164 5.25 pyrite with some arsenopyrite and pyrrhotite. Tourmaline orystals common. 24 181 - 201nil 4.20 2.80 13'-14'1" - Dioritio dyke. 201 - 221 24 1716"-221 Dark sediment, similar to those in22'-24'6" 30 0.70 hanging wall including mineralization 24'6"-27' 30 and alteration. Siliceous sediments well mineralized with 221-271 arsenopyrite and pyrite. Rnd of hole. 27 1'8" - 24'6" averaged \$4.05 16'10" are longth

DIAMOND DRILL REPORT.

Hole No. D.D. 4-5....

Koval-Ohman Option
5029.0 N.
Location 7057.6 E. Direction S 24 E. Date Ogtober 1953 Place Surface...

D1p -300

Sample	1	 	 	 -1	-סכ- עַנע	1	Δ	ssay
No.	Des	cription	,	1	Footage	Width		Value
	1	· · · · · · · · · · · · · · · · · · ·				11-700 011	74.	<u> </u>
9308	Dark. Not	much miner	alization		0-21	24 ^m		nil.
09	Ditto 6" d	ike	~		2-5	36*		nil
10	Ditto	****		1	5-7 1	30 "		nil
11	Dark			. !	7 1 -81	12"		nii
		ohlorite.	Pa 1 w 1 w we	.7.7	, g-0g	14		1 111
12			settī a	'	81-11	30"		1.05
3.0	mineralize	sediment.	Wall min		11-12	12"		2.10
13			MOTT WING	LATIEGE	12-14 1	30 *		1
14.	Dark, mica	10 60 U B 1	•	,		30 *		nil
15 -			•		145-17	01		nil
16	Quartz	<u> </u>			17-18'9"			nil
17	Silicious		_	Ţć	197-21	27*		nil
18		. Some dark			21'-231			4.90
19	Dyke	I			231-25	18*		nil
20	Siliceous				25- 27 3	30 !!		7.70
21	Ditto				271-301	36*		3.8
22	Dark				301-33	30*	•	14.3
23	Ditto				33-35 €	30*		2.4
24	Ditto				25½-38	30"		6.6
25	Ditto		•		38-41	36*		2.8
26	Ditto				41-43	30 *		-3
27	Ditto				433-46	30*		nil
28	Ditto				46-48	30*		nil
29	Ditto				481-51	30 * ·		1.0
30	Ditto				51-54	36**	Ì	2.4
31	Quartz ca	rhonate			54-57	36 ⁿ	,	nil
32	Dark sedi				57-60	36*]	.3
33	Ditto	MOH T			60-62	30#		.7
	Ditto Hen	der. Very	wall mine	ralizad	621-65	30#	1	.7
3 <u>4</u> 35	Ditto	4611 1013	MOLL MILLO	rdernog	65-67±	30"	1	2.8
		ll mineral	1 mail		671-70	30*	1	8.4
36	Oncontak	type. Well	minameli	mañ	70-721	30#	İ	9.4
37		eahe. merr	MYDOL GT 1	EGU	72=75	30*		8.4
38	Ditto		•		75-781	42*		nil
39	Ditto				781-81	30*	1	nil
29401	Ditto				81-84	36	1	nil
02	Ditto				07-04		j	1 111
		m .	77-1	00 1	Angeth .	True Widt		
	From	To	Value	Core L	enken	Trae MIGI	1	1
		43.0	4E (A	20.	λ	10 2	1	
•	. 21.0	41.0	\$5.60			17.3	1	1
•	65.0	75.0	7 - 35	10.	Y	0.7	1	١.,
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Page 2

DIAMOND DRILL REPORT.

Hole No. D.D. X-5. sont.

Place Location Direction Date

Sample		•	Į.	As	say
No.	Description	Footage	Width		Value
0-81	Dark sediments. Narrow (1/8") bands with the normal altered graywacke. Not much mineralization 32'-4' acid dioritic dike.				
8 1 -12	Siliceous sediments but more chlorite in previous holes. Mineralization (pyrite) increasing rapidly.	than			
12-17	Dark sediment. Much mica. Fair sat- isfaction and quite well mineralized.			•	
17-18'9	Siliceous sediments. Well mineral- ized, 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.				
		,			
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DIAMOND DRILL REPORT

Nole 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°

	······································	Pier.	5001.9	Dib - 3	U ·		_	
Sample		Descri	ntion		Footage	Width	Ass	
No.		Descr.	peron				Qz.	Value
29403	Dark				0-4'	48"	ļ	nil
04	Ditto				4'-73"	42"		nil
05	Slaty-	Siliceou	ıs		71'-11"	42"		2.45
06	Dark				11'-13}"	30"		nil
07	Ditto				13}'-16	30"		1.40
08	Qu rtz	veining	g in conta	ct zone		1	l	i
	betwee	n Silice	ous and d	ark	16'-18"	24"	ļ	nil
09	Silice	ous Well	l minerali	zed. Still			ļ	1
	contac	t zone			18'-20"	24"	ļ	nil
10	Silice	ous Wel	l minerali	zed	20'-21'6"	18"	ľ	.70
11	Dyke				21'6"-22"	δ" 12"		nil
12		ous well	l minerali	zed	22'6"-25'			7.70
13	Ditto				25'-273	30"	ļ	8.40
14	Ditto				27}'-30	30"		14.35
15	Ditto				30'-31'2"		1	9.45
16	Dark F	air			31'2"-34'			3.15
17	Ditto	u I I			34'-361	30"		nil
18	Ditto				361'-39'8			.70
19		o roct	dark sedim	ont Nor	303 -37 0	' 30		''
19		inerali		ienc. Nor	39'8"-42'	28"		nil
20		iineraii	zeu		42'-45'	36"		70
20	Dark						}	
21	Ditto				45'-48'	36"		1.05
22	Ditto				48'-51'	36"	İ	.70
23	Ditto				51'~54'	36"		nil
24	Ditto				54'-56}'	30"		nil
25	Ditto				561'-59'	30"	,	nil
26		and 12"			59'-613'	30"		1.05
27	Green	type wi	th Veinlet	S	613'-64'	30"	}	10.50
28	Ditto				64'-661'	30"	Ţ	8.05
29	Greeni	ish type			66}'-69'	30"		nil
30	Ditto				69'-72'	36"	ļ	nil
	D	Ше	1107.00	Cows Issath	777	Width		1
	From	To	<u>Value</u>	Core Length	1106	MIGGII	[
	22.5	34.0	\$8.35	11.5	10	0 0		
	61.5	66.5	9.25	5.0		4 3		
	01.2	C.00	9.20	٥.0	j '	*		
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	1			POOR QUAL	1	ali AYZ		
	}			TO FO	JLLOW	}	}	1
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	i				1	1	1	i.

DIAMOND DRILL REPORT.

Hole No. D.D.

Koval-Ohman Ontion

503515 N

7081/8 E Direction S523 E Date October 1953 Place Surface

Elev 5001.99 Dip -300 - 30"

Sample		1		Αε	say
No.	Description	Footage	Width	Qz.	Value
			,		
29403	Dark	0-41	48"	4	
04	Ditto	1			uil
		751-11 111-135	42"		l'il
05	Sluty-Siliceous	72'-11	42"	!	2.45
06	Durk	111-135	30" 		Nil
07 08	Ditto	13, 7-16	30"		1.40
08	Quartz veining in contact zone	. ~			
	between Siliceous and dark	161-18"	24"	i	Fil
09	Siliceous Well mineralized. Still				
- ,	contact zone	181-20"	24.9		Wil .
10	Siliceous Well mineralized	201-2116"			70
	Duke	2116"-22"			10
11 12 13 14 15 16 12		21.0.455			Fil
14	Siliceous well mineralized	2216"-251	30"		7.70
10	71tto	251-27 ₂	20"	ļ	J.40
1.	Ditto	27:1-30	30"		14.35
15	Ditto	301-3112" 3112"-341 341-3621 3621-3613	14"	ĺ	9.45 3.15
16	Dur't Fair		7411	ļ	1 3.15
17	1 Ditto	341-36	30°	1	1:11
- 18	Ditto	1562125612	7 38"	1	:70
19	8" like rest dark sediment. Nor	' E '. '	, , ,		1 . , ~
st. ,	anch mineralized	39180_421	239	1	Fil
20	Durit	621-451	36"	1	
20 21 22 23 24 25 25		451-481	20"	<u> </u>	.70
27	Ditto		36"	į .	1.05
44	Ditto	491-511	35" 36"	1	70
23	Ditto	511-541	36"	1	Wii Wii
24	Ditto	541-56	30"		17.11
25	Ditto	561 - 561	30"	1	711
23	Ditto and 12" dike	597-61,1	30 m ·	1	1.05
27	Green type with Veinlets	$61_{H} = 64$	30"	1	10.50
27 28	Ditto	641-36.	35"		8.05
20	Greenish type	6621-691	35"	}	Mil
29 30	Ditto	601-721	36"	1	Nii
50	01.600	071-72	20	Ĭ	1 11 1
	•	1	1	}	1
		1	1	1	1
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	From To Value Core	Come C.			
	From To Value Core	Length Tr	rue Width	1	
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	222.5 34.04 \$8.35 835 11.	.5	10.0	1 ,	:]
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	61.61.5 6665.5 9.25 9.25 5.	-d	4.3	1	
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DIAMOND DRILL REPORT

Hole No. D.D. X-6...

Place...... Direction Date

Sample				Ass	ay
No.	Description	Footage	Width	Qz.	Value
0-711	Sediment-Very dark Silightly mineralized.				
711-11	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.				
601'-61'	dyke, dioritic				
613'-72	Green type sediment. Many veinlets up to 1½" in width. Both rock and veinlets quite well mineralized to 66'				
	END OF HOLE 72'				
	POOR QUALITY ORIGINAL TO FOLLOW				

DIAMOND DRILL REPORT.

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

Place Direction Date

Sample			1	AB	say
No.	Description	Footage	Width	0z.	Value
0-7월 1	Sediment-Very dark Silightly mineralized.				
7を1-111	Semi siliceous slaty				
11'-16'	Dark sediments-Some fine arsenopyri	te	·	1	
16'-31'2"	Siliceous zone-well mineralized Pyrite-Tyrrhotites some arsencpyrite pyrite and odd spots of chalcopyritelly-22% Dyke	3 3		·	•
3112" .	Dark Sediments-narrow veinlets to 391. Mineralization also dies rapilly after 391. 3918"-401 Dyke. A few local short sections fairly well mineralized.				• ,
601-61	Dyke, dioritic				
6121-721	Green type sediment. Many veinlets up to la in width. Both rock and veinlets quite vell mineralized to 66'		•		
	End of Hole 721	İ			
	• •				
	energy (Control of the Control of th				
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DIAMOND DRILL REPORT

Koval-Chman Option

Hole No. D.D. X-7

6941.5E

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

Elev. 5000.3 Dip -30°

Sample	Description	Footnes	Mark.	Ass	ay
No.	Description	Footage	Width	Qz.	Value
29377	Dark	1'2"-4'6"	40"		nil
78	Siliceous	416"-716"	36"		2.10
79	Ditto	10'6"-10'6			3.15
80	Ditto	10'6"-13'	30"		1.40
81	Siliceous	13'-16'	36"		4.90
82	Dyke	16'-17'5"			nil
83	Siliceous, Well mineralized	17'5"-20'		<u> </u>	3.85
84	Ditto	20'-223"	30"] .	5.25
85 86	Ditto	2231-251	30"] '	4.55
87	Ditto Ditto	25'-20½' 20½'-31½'	42" 36"		2.80 2.10
88	Ditto	313'-343'			2.10
89	Dark. Well mineralized	341-37	30"		nil
90	Chlorite schist	37'-39'	24"		1.40
91	Dark heavily altered Well mineralized		3-"		2.45
92	Dark	42'-44'6"			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'-59}'	42"		nil
0'-0'2"	Graywacke		<u> </u>		
12"-112"	Dioritic dike	ļ 1			
12"-416"	Dark sediments some arsenopyrite and pyrite				
'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.				
5'-37'	Dark sediment, Heavily altered and we mineralized.		PLICA	 ^T=	COL
7'-39'	Chlorite schist. Not well mineralized	POO	RQUAL	ITV	
2'-59'6"	Dark sediments normal mineralization descreasing rapidly.		TO F	PLLC	W W
	END OF HOLE 59'6"				
	From To Value Core Length	True Wid	<u>ith</u>		
	13.0 20.5 \$3.80 15.5	13.4			

DIAMOND DRILL REPORT.

Hole No. D.D.?

Koval-Ohamn Option
6941/55 F E
4982-5 E N
Location Direction
Rlev 5000-33 Dip -305 October 19 53 Surface Place Date

Sample No.	Description	Footage	Width	A8	Bay Value
		100 caro	HACOL	74,	Yaluo
29377	Dark	1124-4164	40"		5747
79	Siliceous	4161-7161	76"	·	Mil 2.10
79 1	Ditto	716"-1010"	560		3.15
- 65 {	Ditto	1016"-131	50"		1.40
81	Siliceous	131-161	36"		4.90
82	Dylte •	161-1715	17"		374 9
85	Siliceous. Well mineralized	1715"-201	31" l		3.85
04 0r	Ditte.	20122311	30'		5.25
02	Ditto Ditto	2221-251	30"		4.55
COREE 00000000000000000000000000000000000	Ditto	251-2011 2011-3111 311-3421	42" 76"	٠	2.90
ชัช	Ditto	3121234	76" 36"		2.10
30	Durk. Well Mineralized	3481-371	30"		Fill
- 56 H	Chlorite schiet	371-39	24.0		1.40
(1	Dur's heavily altered. Well mineral-	1	-		 ~• `
1	ized.	391-421	5611		1.43
25	num's	421-44161	50" 50" 30"		5.2
C.3	Ditto	4416-471	- , 30" 		.70
94	Ditto	471-501			1.0
0.3 0.4 0.5 0.6	Ditto	501-531	36" 36"		Nil
96	Ditto	531-561	26" 42"		Til
57	Ti tto	561-5921	42" }		Nil
01-012"	Gruywacke				
012"-112	' Diortic like				
112"-416	Dur sediments Some arsenopyrite				
	and pyrite]	ì		
416"-351	Silicaous type biotile in thin str-				
	sulta prominent. Fair pyrite minera-		ĺ		1
	lized. Trop 14! all well mineralized				1
	reatly pyrite but some arranepyrite	1	į		
	Gruphite 161-1715". Dike dicritic.		į		1
351-371	Durk celtisent. Heavily altered and v	111			1
	inerulized.		· .		1
371-351	Chickite schist. Not well dineralize				1
421-5516	Durk self lents for al mineralization	.]			1
•	mnereusing rapidly.		·		
	™u3 of Tole 5016"	1	1		} ``
	and of off like		. 1	٠	
	From To Value Luc Core Length	True Wid	, ω, th		
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. ,	13,30, 20.520, 343.803.80 15.5/5-5	13.43	· =		
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DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. X-A...

4995 7 N

Place Surface Location 69.63.3. B 4

irection \$ 23 % Date

Elev 5000.0

Dip 130 % "

Sample			1	Assay
No.	Description	Footage	Width	
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'-143'	30"	5.25
54	Ditto	142'-16"	18"	1.40
55	Ditto	16'-184'	30*	2.80
56	Ditto	1834-203	24"	3.85
57,	Dike?	201-22	18"	nil
58	Siliceous well mineralised	22'-24'	24"	1.75
59	Ditto	24'-26'	24"	2.45
60	Ditto	26'-28'	24 ^m	1.40
74	Siliceous	28'-30 1 '	30 "	4.20
	Ditto	303'-33'	30 ⁿ	5.60
76	Ditto	33'-35'	24	₹.50
7 7	Dike	35'-36'	12"	2.45
78,	Siliceous	36'-37	18.	2.80
79	Ditto	871 -39	.\8*	8.75
0-5 5-6	Ground 95% Dioritic Dike			
<i>5</i> - 6				
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 Leng	th True W	dth	N.
	12.02 39.09 \$3.42 27.0	23.5		
•				
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DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. X-9...

4964.5 (N. 6895.6 B Date October 1953 S 20 (E Place Surface Direction Location Dip -300-20 4999 33 Riev

Sample Assay No. Oz. Value Description Footage Width 29609 Unaltered sediments. 0-13' 18" nil Siliceous 18-4 10 30 m 2.45 41-631 11 Ditto 30# 4.55 12 Ditto 611-97 30 3.50 13 9'-111 Ditto 307 3.15 30ª 103'-14" Ditto 14 1.40 33 14'-16'9" 15 **Jitto** 2.10 16'9"-18' 15" 16 Dike 1.05 30 17 2.10 Siliceous 18'-201 18 Ditto 201'-23 30 F .70 23"-251" 30# 19 Ditto 1.40 Ditto 8" dike 251-281 397 20 5.60 28'-301' 30 21 Ditto 5.60 B0<u>à</u>1-33⁷ 22 Ditta 30" 3.15 30" 331-351 23 Ditto 4.90 30# 24 Ditto B51-381 5.25 25 Ditto 381-401 24 # nil .70 24ª 26 Ditto chloritic 40'-42' 27 421-4361 18 Ditto chloritic nil 28 31-451 247 Dark arsenopyrite nil 29 15まー47ま『 24# Ditto nil 473-501 .70 30" 30 Ditto 31 D1tto 501-521 24 nil 32 Dark with green bands. Not well 30* 521-5481 mineralized. nil 30# 541-57 33 Ditto nil 0-11 Sediments graywacke 13-433 Siliceous, well mineralized pyrite predominant. 16'9" Dioritic 2718" dike Dark sed: tents. Well mineralized for 431-57 first few feet then fading rapidly. .Greenish bands all prominant 52'-Ind of hole 57 Core Length True Width / Value To From~ 36.5 38,0 3.45/19 *3*0.7 7.5-

DIAMOND DRILL REPORT. Koval-Ohman Option

Hole No. D.D. X-10...

4951.0 N

Place Surface

Location 5

847.5 R Direction S 20 Roc Date Oct 1953

Elev 5001451 Dip -300 - 30

Sample				AB	вау
No.	Description	Footage	Width	02.	Value
60.674	. Namb	0	0.0	- * 1	nil
29634 35	Dark Siliceous and dark	0'-3'	36		nil
36	Ditto	31-51	30	1	
	Silideous	531-81	30"		2.45
37 38		8'-10'	24*	1	2.45
20	Siliceous, cherty. Graphite. Not wel		70		
39	mineralized. Ditto	10'-121	30 *	. 1	1.40
40	Ditto	223'-15'	30		•70
41	Ditto	15'-17'	24"	1.7	.35
		17'-19'	24		1.40
42	Dike	19'-20'	12"		
43 44	Siliceous and chirty	201-722	24		4.20
	Ditto	22 -23	18*		1.05
45	Dike	2331-2451	12"		1.40
46	Ditto	24 8"-271	28"		.70
47	Ditto	27'-30'	36 °		2.80
48	Ditte 8" quartz and carbonate wein	30'-33'	36	[.70
49	Ditto	33'-36'	. 36 ^m	[nil
50	Dark Well mineralized	36 -381	30"	1	nil
51	Ditto	381-41	30"	[nil
52	Ditto	41'-44'	36 m	}	
53	Dark	44'-46	30 [#]	1	nil
54	Ditto	1681-491	30"	}	nil
55	Green	49'-52'	36"		nil
56	Ditto	52 -55	36*	l	
• 57	Ditto	55 <u>'</u> -59'	48*	1	.38
0-3	Dark sediments. Minor mineralization	a	· ,		
3-36	Siliceous type	1.			
	3'-7' Some dark bands. Fair mineral-			1	
	ization.				
	10'- Much buff chirty material with			1	
•	considerable graphite. Dioritic dike			1	1
	19'-20' and 231' - 24'8"				
		1	j .		
361-4	Dark sediments. Well altered mineral	1-			1
-	ization.	1		1	Ì
44-49	Dark sediments with mineralization.			1	1
	1	•	1		
49-59	Green banded type well mineralized.	•.	Ì	1	`
		٠,			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Green banded type well mineralized. End of hole 59	•			
		•,			

DIAMOND DRILL REPORT. Koval-Ohman Option

Hole No. D.DX-11

4934.1 N

Place Surface

Location 6801.7 E Direction S 20 E Date Oct 1953

Elev. 4999.3 3 Dip -30°

Sample		····	i	As	Bay
No.	Description	Footage	Wiath	Qz.	Value
29658	Dark	0-31	36"		Nil
	Ditto	31-531	30" }		Nil
59 60	Ditto	531-87	30"		N11
61 62	Silicious chloritic & dark	81-1011	30"		Nil
62	Ditto	1031-131	30"		1.40
63	Ditto	131-1531	30 n		1.05
63 64 65 66	Ditto	1531-187	30"		2.10
65	Silicioum	181-20189	32"		9.80
66	Dike '	2018"-21169	10"		2.10
67 68	Siliceous	2116"-241	30"		7.00
68	Siliceous	241-251	12"		10.15
69	Dike	251-2611	13"		2.45
70	Siliceous	26'1"-29!	35"		4.20
7 <u>1</u> 72	Dark, Well mineralized	29!-313!	30"		5.60
72	Ditto	β <u>1</u> 4!-34!	30" 70"		
73	Ditto	341-3611	30# 30#		NII
74	Ditto	361-391	50		1117
75	12" dark, 12" sericite-chlorite schist	391-411	24#		0.70
0(411-4311	30#	}	1.05
76	Senicite chlorite schist	4311-4511	24#	1	Nil
77 78	Ditto	4311-451	30"		NII
70	Dark Ditto	481-5011	30"	}	1.75
79 80	Ditto some green bands	5011-541	42*		NII
. 91	Green Steen pands	541-571	36"		Nil
81 82	Ditto	571-601	350	1	0.70
92 92	Ditto	601-641	35" 48"	1	0.35
83 84	Ditto	647-681	48#		NII
	} _	0.7 - 00	,	1	
X-11 0-	8 Dark Sediment weakly mineralized			<u> </u>	1
81-181	Siliceous with chloritic and dark]	į
• ••	sections. Fairly well mineralized		ł	1	
181-291	Siliceous type. Yair mineralized	1	j	1	1
	2018"-2116" Dike 251-2611" Dike		Ļ	1	
291-401	Dark sediments well altered with			1	
_,	fair arsenopyrite with a little	}	1	1	
	pyrite and pyrrhotite.			1	
401-4531		ay color	}	}	4
	. Weak fine pyrite	ļ	1	1	1
451-541	Dark type, fairly well mineralize	a		} '	
-	for first feet.		1	1	,
541-681	Green type ONly weakly mineralize	a]	
·	End of Hole 68t	· ·	{	1	
				[1
-	From To Value Core Length	True Widt	h		
•	18.0		1	1	4
:	18:0 31.5 \$6.25 13.53	11.7	1		1 .
		1	ì		
	•	• 1	1	1	1
	· ·		7	r	•

DIAMOND DRILL REPORT. Koval-Ohmen Option

Hole No. D.D. .I-15..

4925 5 N

Place Surface Location 6777'0 E. Direction \$5.20 B Date Oct 1953

	Dip ~39.	,			
Sample	Description	Tootage	week	Ase Qz. IV	ay
No.	DESCRIPCION	#00 vake	NA COL	<u></u>	arde
29916 17 18 19 20 21 22 23 24 25 26 27 28 29	Dark Ditto Siliceous Ditto Ditto Ditto Ditto Dike	5-8 8-11 11-13; 13;-16 16-19 19-22 22-23 23-25 25-27; 27;-30 30-32; 37;-35 37;-35 37-38; 38;-40	36" 36"		nil nil 1.40 2.80 1.40 3.85 nil 4.90 2.45 nil 3.15 .70 1.05 2.10 2.10
31	Dark and green	40-42	30"		nil
32	Ditto	423-45	30"		nil
0-11'	bark sediments. Last few feet rairly mineralized.	vell			
11'-37'	Siliceous sediments 14'-14'7" Dike 22'-23' Dike In general mineralization is not heavyg.				
371-401	Dark and siliceous. Fair mineralizat	ion.	,		
401-	Dark and green. Very little mineral- ization.				
	End of hole.			1	
-47	Dark or green				
47'-51'	Diortic Dike				
•	End of hole 51'				
•					1
]	
					1
:					_

DIAMOND DRILL REPORT.

Koval-Ohman Option

Hole No. D.D. .Irl6..

4921.5 N ... Direction \$.07.W. ... Date 901.1953. Place Surface

•.•	Dip -30°								
Sample	Description	Footage	w4.4+1	A88 02.jV	ay				
No.	Description	BOOCARE	MICON	<u> </u>	arne.				
00077	Same adda and ablances	15-17			1 04				
89933	Sericite and chlorite	17-20	36"	i	1.05				
34	Dark		24"	1	1.05				
35 36	Ditto	20-22		1	•70				
	Ditto	22-24	247	•	1.40				
37,				3					
	mineralized.	24-26	30°	1	2,80				
38	Dark	264-29	30"	}	nil				
39	Ditto. Some serioite - chlorite shhis	t.29-31'4	28"		nil				
40	Dike 31	4" -35"	44"		pil				
41	Dark sericite. chlorite at start	35-37	24"		. 25				
. 42	Dark coarse arsenopyrite over contact	37-38	18#	1	nil				
43	Siliceous	381-41	30 "		• 70				
44	Ditto	61-44	36*	1	2.45				
45	Ditto	44-46	30"		1.40				
46	Ditto Well mineralized pyrite	461-49	30#	1	5.25				
47	Ditto	49-51	24"	1 1	nil				
48	Dark	51-53±	30"	1 1	.35				
49	Ditto	531-56	30"	1 1	nil				
		56-59	36	1 1	nil				
50	Green	26-09	20-	!	HTT				
0-38출*	Dark sediments 15'-17' Sericite chlorite 17'-38 Mineralization increasing but varried. 31'4"-35'	t							
38 <u>1</u> '-51'	Siliceous sediments. Well mineral- ized from 46% on.		,						
51'-56'	Dark sediments. Weak mineralization.				•				
56'-70'	Green. Hard and quite massive. Quite siliceous in sections.								
	End of hole 70°]							
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DIAMOND DRILL REPORT. Koval-Ohman Option

Hole No. D.D. X-17...
Surface

4923.55 NV. 72.95.0 B N/20 W

Oot 1953

Dike Quartzitic. Well mineralized Ditto Ditt	Sample No.	Description	Footage	Wiath	A:	say Value
52 Quartzitic. Well mineralized 53 Ditto 54 Ditto 55 Ditto 55 Ditto 56 Ditto 57 Ditto 58 Ditto 59 Ditto 60 Dark gray and fine. Uniform 61 Ditto 62 Ditto 63 Ditto 64 Ditto 65 Ditto 66 Ditto 67 Ditto 68 Ditto 69 Ditto 60 Dark gray and fine. Uniform 60 Dark gray and fine. Uniform 60 Ditto 61 Ditto 62 Ditto 63 Ditto 64 Ditto 65 Ditto 66 Ditto 67 Ditto 68 Ditto 69 Ditto 60 Ditto 60 Ditto 60 Ditto 60 Ditto 60 Ditto 61 Ditto 62 Ditto 63 Ditto 64 Ditto 65 Ditto 66 Ditto 67 Ditto 68 Ditto 69 Ditto 60 Ditt	20051	Dike	0-14	1811		ni.
Ditto Diritio dike Dioritio dike Dioritio dike Diark gray; fine grained uniform sediments. Some streaky mineralization. to end.		Quartzitio. Well mineralized			•	
Ditto Dark gray and fine. Uniform Compared to the term of the ter						3.
Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Ditto Dark gray and fine. Uniform 60 Ditto Care Ditto Ditto Care Ditto Care Ditto Ditto Diritio dike 20' Grayquartzite; quite similar to Care Zone. Well mineralized with fine Dirite. Dark gray; fine grained uniform Sediments. Some streaky mineralization. to end.						1.
Ditto Ditto Ditto Dark gray and fine. Uniform Compared to the stream of						1.
Ditto Dark gray and fine. Uniform Ditto Ditto Ditto Ditto Ditto Ditto Ditto Caraguartzite; quite similar to Carage. Well mineralized with fine pyrite. Dark gray; fine grained uniform sediments. Some streaky mineralization, to end.			11-13			3.
Ditto Dark gray and fine. Uniform Ditto Ditto Ditto Crayquartzite; quite similar to C zone. Well mineralized with fine pyrite. Dark gray; fine grained uniform sediments. Some streaky mineralization. to end.	57					2.
Dark gray and fine. Uniform 20-22\frac{1}{2}	58					3.
61 62 Ditto 63 Ditto 64 Ditto Capture dike -20' Grayquartzite; quite similar to Capture. -34' Dark gray; fine grained uniform sediments. Some streaky mineralization, to end.	29	Ditto				2.
62 Ditto 63 Ditto 64 Ditto Capturation dike 25-28 28-31 36" 36" 31-34 36" 21-34 36" 22-34 36" 23-34 36" 25-28 28-31 36"	61	DELY REAL STOR TITLES OUTLOUR				•
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E-1	279	6-23	100	E-45	339'	£-67	288'
E-2	341	E-24	1031	E-46	334'	E68	299
E-3	ఫే ంర ´	E-25	45'	£-47	750	E-69	256
E-4	316	E-26	651	E-48	770	E-70	464
E-5	3E9 '	E-27	119'	E-49	741	E-71	750'
E-6	432'	E-28	649	£-50	758	,,	•
E-7	4241	E-29	117' .	£-51	62'	X-1	57'
E-8	450'	E-30	119'9"	E-52	53	X-2	77
E-9	637'	E-31	125'	£ -53	54'7"	x - 3	791
E-10	687'	E-32	125 '	E-54	51'	x-4	27'
E-11	6811	E - 33	6521	E-55	44 1/2	X-5	84.
E-12	377'	E - 34	653'	£-56	60	x-6	72'
E-13	246'	B - 35	,	£-57	70.9"	x-7	54.6"
E-14	365	E - 36	,	£ - 58	75'8"	1	391
E-15	399	E- 37		E-59	83'8"	1	s 7
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PART OF BEN LAKE PROPERTY (KOVAL-OHMAN) PATRICIA MINING DIVISION, ONT. SCALE I"=200' - JULY 1954	C1.14369	18+00W 15+00W 12+00W 9+00W 6+00W
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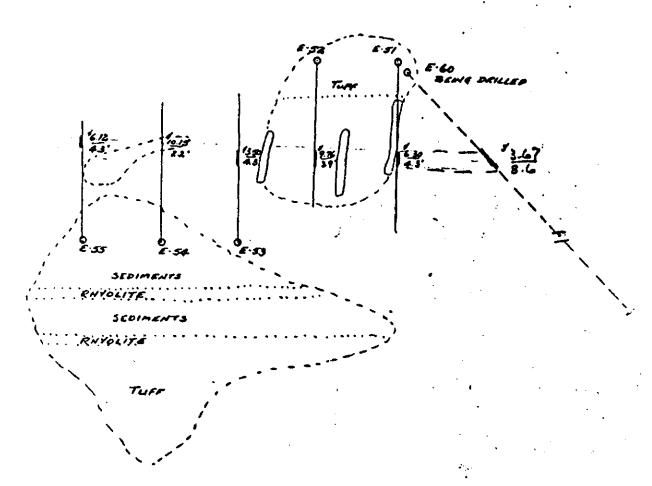
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TUFE

HASAGA GOLD MINES LTD BEN LAKE "SWAMP ZONE"

Scale 1"-30" SEPT 21/54

Mr. Walter Maybank

PROM

D. M. Giachino

DATE

June 6th, 1961

AUBJECT

HASAGA -- KOVAL GROUP -- PATRICIA MINING DISTRICT, Ont.

FILE REFERENCE

Summary reports by:

A. G. Hattie
R. D. Mathieson
J. C. Stephen
G. H. Salton
Alex Watt

June 19, 1954 July 12, 1954 Dec 21, 1954 Feb 8, 1958 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 wault.

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 visited McKensie 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. Clachino

co: Mr. Alex Watt

MCKENZIE RED LAKE GOLD MINES LIMITED

OR INTER-OFFICE CORRESPONDENCE ONLY.

USE REPARATE SHRET FOR EACH BUBURCT.

OMIT ALL FORMALITIES

TO

in. D. M. Giachino

HROM ! Watt

DATE

MISA. MADE

July 9, 1961

SUBJECT

TILE 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. Wath

Mr. Goorge Darling

D. M. Giachino

D. M. Giachino

DATE November 29th, 1961

SUBJECT

HASAGA -- Koval Group -- Patricia Mining District, Ontorio

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. Stephen - 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.

DiG: pq

Driginal signic BY
D. M. GIACHINO
D. M. Gischino

ir. Alex Watt

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	HASAGA GOLD MINES LTD (Koval-Ohman	n Option) Cont'd.
Assay Data:	1953-1954 - Accompanying DD Logs.	e territorio de Titolo de Californio de La Californio de La Californio de Californio d
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'

/	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.
	19\$4

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520/SE

FOR ADDITIONAL INFORMATION SEE MAPS:

520/07SE-0014 #1,2

