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McFinley Red Lake Gold Mines Ltd.

The twenty-five claims of the McFinley group are now surveyed and applications for patent have been applied for. The claim numbers are KRL 181b2, 18514-15, 18519, 18373-77 inclusive, 18457, 18735, 19278, 11033-35-37, 215b-56, 1493-95 inclusive, 1497-99, 246 and 247.

Work for the past year has been confined to, firstly, cutting all trees etc. away from the immediate vicinity of the bunkhouse and cookery and also the office building. These constituted both a wind and a fire hazard. This wood has been cut into cord wood and stove lengths and much has been split for use in the cookery. There are about thirty cords of wood at this site.

Secondly, during the summer, about five acres of ground were cleared in the vicinity of the #3 post of claim KRL ~~1242~~ 1499 and the #4 post of claim KRL 246. This is the proposed shaft site and would have to be cleared before shaft sinking could be started. All logs that are valuable as mine timber were set aside. The rest of the wood cleared from here was cut into cordwood and piled. There are approximately 95 cords of wood available here when further work ~~is~~ is done.

The claims were surveyed by O.L.S. Gordon Bradshaw in the fall of 1946 and it was necessary for him to recheck some of these lines in January and Feb. 1947. This delayed receipt of the survey plans until the early fall of 1947. The writer has since been engaged in plotting these adjusted survey plans in order to have an accurate claim map of the property. Correspondence with the surveyor-general has been necessary in order to straighten out some points regarding fractions of claims that were left and is still being carried on.

The diamond drill holes were tied in from permanent stations with transit and chain by Mr. A. Underwood last year. Survey calculations had to be made for all holes and the correct position and bearing are presently being plotted. An assay plan for the corrected position of the claims and diamond drill holes showing all values is to be plotted. These plans will be forwarded when completed. The 1" to 200' plan showing the ore shoots and all values from \$ 2.10-\$4.00 and from \$4.00 and over is also being worked on.

Further correlations are also being made from the long Island assays.

McFinley (Cont'd)

Food supplies, cooking utensils, silverware, etc. has been moved into the Gold Eagle warehouse, the camp is locked and the windows have been ~~hacked~~ boarded up. Occasional visits are being made to check up on the camp.

Besides this, there are occasional visitors to the office here who are interested in obtaining some McFinley data.

CLAIM NUMBERS 11481-82-83-87

This group, of four claims, adjoins McFinley Red Lake Gold Mines Ltd. on the west side opposite Long Island. They have been previously patented and surveyed. These claims were transferred from Mr. Findley McCallum to Mr. J.R. Brodie. The last abstracts that were obtained on them, received Feb. 5th, 1946, did not show a transfer to Mr. S.J. Zacks, but, I believe that these claims were transferred to him.

Mac BUCK RED LAKE GOLD MINES LTD.

The MacBuck Red Lake Gold Mines Ltd. property consists of twenty-two mining claims located in the northernmost section of East Bay. The claims consist of the following; KRL 21002-10 inclusive, 20311-16 inclusive, 20350-64 inclusive, 21208, and 21315.

Since the last report on these claims in January, 1947, there has been no work done on these claims. Arrangements have now been made to have Mr. R.L. Dynes survey those claims of this group that require surveying in January, 1948. He can not start here before the last week in Jan. as he has to do some work in Rainbow Lake area and for the Dep't of Forestry due to previous commitments.

A letter has been written to have the surveys of those claims that were previously surveyed by an O.L.S. reinstated and transferred to the present claim number.

On completion of this survey and receipt of plans, it is proposed to make a corrected claim map of the property, and report of work forms will have to be ~~fixed~~ made out and forwarded to the Dep't with regard to this work of surveying.

FALLANSBEE RED LAKE GOLD MINES LTD.

The claim numbers of this seven claim group are as follows; KRL 18893-99 inclusive.

No work has been done on these claims since the summer of 1946. All the required

Fallansbee Red Lake Gold Mines Ltd. (con'td.)

assessment work has been completed and the claims have been surveyed. The original date for patenting these claims was Oct. 22nd, 1947, but an extension on the patenting date has been obtained which is good until Sept. 30th, 1948.

A sheet with cost of patenting these claims is enclosed with this report. The total cost is \$1201.89.

CLAIM NUMBERS KRL ~~XXXX~~; 21373, 21374, 21375

This three claim group was staked by Ab. Nykmark and were transferred to Mr. S.J. Zacks. They are located in McNeely Bay and are bounded on the north by Martin McNeely, on the east by Lassic Mines, on the west by Fallansbee and on the south by a group of claims belonging to Isbell.

These claims have been surveyed and the assessment work completed. Since these are chiefly water claims, the work requirements were met by transferring excess footage from that required on Fallansbee by diamond drilling to these claims.

These claims are in good standing but require patenting before Nov. 17th, 1950.

KRL 19427

The location of this claim is in Baird Township, Red Lake Mining Division. It is located north of Madsen Mines and is immediately west of the showing on Russett Red Lake. This claim was surveyed by G. Bradshaw, O.L.S., last year and 40 days work was performed by T. Montgomery.

Mr. T.A. Wood, Mining Recorder, at Sioux Lookout, wrote me recently enclosing copies of letters from F.W. Beatty and J. Werk, chief clerk, regarding the staking. Apparently, Bradshaw, while surveying, failed to locate the original corner posts of this claim which was brought to the attention of Messrs. Beatty, Werk and Wood. As a matter of fact, this claim is now larger than the original staked area. However, it has been necessary to obtain statements from Dr. R. Thomson, the original staker, and others verifying that this claim was staked correctly. These have been obtained and forwarded to Mr. Wood and have had no further correspondence since. He advised, also, that we should do some work on this claim before the date of work being due in order to protect it further.

Ab. Nykmark was engaged to do prospecting and trenching to fulfill this. A shear

zone, 40 feet wide was uncovered on the north boundary and several other quartz carbonate stringers. Assays were generally low, a summary follows; one .08 oz. (\$2.80); one .05 oz. (\$1.75); one .04 oz. \$1.40 and two .02 oz. (\$0.70) out of thirteen samples assayed. A sketch plan with location of trenches and assays is enclosed.

Work was done from Oct. 15th to Nov. 15th. The original date for work due was Dec. 29th, 1947 but with this work being reported, the claim is protected until April, 1949. A total of 183 days work has been done to date on this claim. Because of its size, 53.19 acres, excess work commensurate with the excess area has to be performed and recorded before patent issues. The total amount of work required before patenting is 260 days and the patenting cost will be \$165.95.

RED AURUM GOLD MINES LTD.

No further work has been done here this year but an up-to date report was made and forwarded in March, 1947.

Indications here are that there is an erratic orebody and enough values have been indicated to warrant a prospect shaft from a point between the 14A, #8 and #2 zones from which these showings could be explored.

Last summer, the camps were rented to Durham Red Lake Gold Mines Ltd. while they were engaged in a drilling program. They have since put up their own camps. Periodic inspection trips were made to the camp.

CLAIMS IN KENORA/ DOGPAW AREA

There are thirty five claims here divided into three groups. The North and Walsten group consists of claims numbered K 10018-23 inclusive, K 10061-63 incl., K 10040-51 inclusive. The Cedartree lake group is a five claim group numbered K 10556, K 10615-18 inclusive. The third group is the Kakagi or Crow Lake group of nine claims numbered K 10752-60 inclusive.

No assessment work has been done on these claims since the spring of 1945. Six extensions have been applied for and received on these claims, the latest is good until April 30th, 1948.

There has been considerable interest displayed in these claims in the Kenora

DOGPAW - KENORA AREA

as there are parties there who wish to stake them. They have protested to Mr. C.W. McKinnon, Mining Recorder, about the number of extensions that have been received by us.

All these claims have been transferred to Mr. S.J. Zacks.

A summary of the work done on these claims follow;

K 10018-23--- 40 days; K 10040-42--- 40 days; K 10043--- 63¹ days; K10044-46--- 30 days; K 10047-51--- 40 days; K 10061-63--- 30days; K 10556--- 30 days; K 10615-18--- 30 days; K 10752-60--- no work done.

Correspondence is being carried on with Mr. W. Richards in Kenora regarding various groups there that he considers to be interesting. He has had considerable experience in prospecting and I think that it is a wise policy to maintain contacts that have been previously made.

At present, he is particularly interested in interesting us in a vein that is on an island. The width or length of this vein has not been determined as yet, but a copy of a Milton-Hersey report that was forwarded to me showed high values.

This showing and others in the Kenora district that he knows, should be examined in the spring in order not to pass up any chances of a possible mine.

DIAMOND DRILL LOG

October 1944

MCFINLEY RED LAKE

D.D.H. No. 25

Bearing $S 15^{\circ} E$ Location $440^{\circ} N; 78^{\circ} W$ of Post II

- KRL 187851

Drilled by: H. Kuntz
Logged by W.P. Corning

No.	Description	Footage	Length	Assay	Value
801	5" quartz-tourmaline in biotite altered schist, 21.6 - 22.8 also stringers of quartz to $\frac{1}{2}$ " V.L.M.		1.5'	Tr	Tr
802	Altered andesite schist $\frac{1}{2}$ " quartz. V.L.M.	22.8 - 24.8	2.0	Tr	Tr
803	Banded tuffs with pyrite, pyrrhotite, $\frac{1}{2}$ " quartz	24.8 - 25.8	1.0	0.01	0.55
851	Lean IF with cherty quartz. 10% py, pyrrh.	26.0 - 27.0	1.0	0.02	0.70
852	Do.	27.0 - 29.0	2.0	0.015	0.42
853	Do. 1% chalcopryrite, 2% sphalerite	29.0 - 31.0	2.0	Tr	Tr
854	Do. A little chalcopryrite and sphalerite	31.0 - 33.0	2.0	0.06	2.10
859	Lean banded IF. A little pyrite and pyrrh.	33.0 - 35.6	2.6	0.05	1.75

NOTE: This IF was resampled, using the remaining half of the core as follows:

804	Lean IF. with cherty quartz. 10% py, pyrrh	25.8 - 28.1	2.3	Tr	Tr
805	Do.	28.1 - 29.5	1.4	0.02	0.70
806	Do. 1% chalcopryrite, 2% ZnS (Estimated)	29.5 - 30.8	1.3	0.04	1.40
807	Siliceous IF with some pyrite, pyrrhotite	30.8 - 31.8	1.0	Tr	Tr
808	Do. with a little chalco, ZnS	31.8 - 33.6	1.8	0.04	1.40
809	Lean, banded IF	38.1 - 40.0	1.9	0.02	0.70
810	Lean, banded IF; $\frac{1}{2}$ " quartz; 10% py, pyrrh, chalcopryrite, arsenopyrite	136.8 - 137.5	0.7	Tr	Tr
860	Siliceous banded IF. 10% py, Pyrrh and a little chalcopryrite & sphalerite; specks of arseno.	138.7 - 139.7	1.0	0.01	0.55
861	Do.	139.7 - 141.7	2.0	0.02	0.70
862	Do.	141.7 - 143.7	2.0	0.01	0.55
863	Brecciated flow with numerous carbonate strs. 10% py, pyrrh	143.7 - 146.2	2.5	0.02	0.70
864	Do.	146.2 - 148.7	2.5	0.04	1.40

No.	Description	Footage	Length Ft	Assay Oz	Value \$
865	Do. very heavily mineralized - py, pyrrh, chalco, arsenopyrite	148.7 - 151.2	2.5	0.08	2.80
866	Do. Not so heavily mineralized	151.2 - 158.7	2.5	0.01	0.85
NOTE: A small specimen of mineralized core from Sample 865 assayed at McKenzie Gold Mines ran 0.70 oz. - \$24.50					
The remaining half of the core was resampled as follows:					
883	Banded siliceous IF with py, pyrrh, a little chalcopryrite and sphalerite	140.2 - 141.5	1.3	0.01	0.35
884	Do.	141.5 - 143.0	1.5	0.01	0.35
885	Brecciated flow with numerous carbonate strcs FVM Pyrite, pyrrhotite	143.0 - 145.3	2.3	0.01	0.35
886	Do.	145.3 - 147.2	1.9	0.01	0.35
887	Do.	147.2 - 148.8	1.6	0.01	0.35
888	Do. very heavy mineralization - py, pyrrh, chalcopryrite and arsenopyrite	148.8 - 149.6	0.8	0.04	1.40
889	Do. Not quite so heavily mineralized	149.6 - 150.6	1.0	0.02	0.70
890	Do. Heavy arsenopyrite and sphalerite	150.6 - 151.5	0.9	0.04	1.40
891	Do. some quartz. Not much mineral other than pyrite and pyrrhotite	151.5 - 152.5	1.0	0.04	1.40
892	Black schist with a little mineral	152.5 - 153.8	1.3	0.01	0.35
893	Do.	153.8 - 157.0	3.2	0.01	0.35
894	Do.	157.0 - 160.1	3.1	0.02	0.70
895	Siliceous brown schist. A little py, pyrrh	162.5 - 164.0	1.5	0.01	0.35
896	Cherty quartz. FVM py, pyrrh. Some CO ₂	164.0 - 165.7	1.7	0.01	0.35
897	Brown schist with a few quartz-carb strcs.	165.7 - 167.2	1.5	0.01	0.35
898	Carbonatized andesite. VLM	167.2 - 170.0	2.8	Tr	Tr

MOFINLEY RED LAKE

D.D.H. No. M6

SLUDGES:

21' - 30' - 0.02 - 0.70	90' - 100' - Nil - Nil
30 - 40 - 0.01 - 0.55	100 - 110 - Nil - Nil
40 - 50 - 0.02 - 0.70	110 - 120 - 0.01 - 0.35
50 - 60 - 0.02 - 0.70	120 - 130 - Tr - Tr
60 - 70 - 0.01 - 0.35	130 - 140 - 0.01 - 0.35
70 - 80 - Tr - Tr	140 - 150 - 0.02 - 0.70
80 - 90 - 0.02 - 0.70	150 - 160 - 0.32 - 11.20

GEOLOGY

- 0.0 - 21.0 -- Casing
- 21.0 - 25.8 -- Banded green and brown schist. Probably a flow but possibly a paraschist
- 25.8 - 40.0 -- Banded IF. Locally very lean and siliceous. Brecciated in places. Much pyrite and pyrrhotite and well mineralized with chalcopyrite, sphalerite and a little galena.
- 40.0 - 88.6 -- Brown (Biotite) altered schist (andesite) with occasional interbeds of sediments in thin layers.
52.0 - 58.4 -- Lean banded IF
- 88.6 - 103.6 -- Hard siliceous feldspar porphyry - occasional quartz eyes.
- 103.6 - 140.3 -- Brown (Biotite) altered andesite schist as above with tongues of the feldspar porphyry at 105.4-105.6; 107.5-108.0
- 140.3 - 143.6 -- Banded IF. Well mineralized with py, pyrrh, chalco, sphalerite, galena, and arsenopyrite
- 143.6 - 152.5 -- Brecciated black flow, well mineralized as above
- 152.5 - 170.0 -- Brown (Biotite) altered schist.
- 170.0 -- End of Hole.

Note: this hole should have been deeper.

DIAMOND DRILL LOG

October, 1914
 Bearing - $S45^{\circ}E$
 Dip - 65°

MCFINLEY RED LAKE

D.D.H. No. M6

Location: $440^{\circ}N$; $78^{\circ}W$. Post II
 KRL 18735

Drilled by: H. Kuntz
 Logged by: W.P. Corking

No.	Description	Footage	Length Ft	Assay Oz/au	Value \$/ton
510	White calcite. 0.2' & 0.8' . VLM	20.5 - 22.0	1.5	Tr	Tr
511	Chloritic andesite schist, 5" irregular banded quartz	22.0 - 23.3	1.3	Tr	Tr
855	Biotite altered andesite. Numerous quartz str. to $\frac{1}{8}$ "	24.0 - 25.3	2.5	Tr	Tr
856	Do. A few quartz str. to $\frac{1}{8}$ " . VLM	26.5 - 29.0	2.5	.03	1.05
857	Do. Including some tuffaceous material. No str. Well mineralized with pyrite, pyrrhotite (fine)	29.0 - 31.5	2.5	.01	0.35
858	Tuffaceous sediment with cherty IF. FWM py. pyrrh, especially in a short zone possibly a fault	31.5 - 34.0	2.5	0.02	0.70
867	Banded IF. FWM pyrite, pyrrhotite	34.0 - 36.5	2.5	0.09	3.15
868	Cherty IF. Fair pyrrh, a little chalcopryrite	36.5 - 39.0	2.5	0.01	0.35
9	Cherty IF with a little fine py, pyrrh.	39.0 - 41.0	2.0	Tr	Tr
512	Dark grey tuffs. A little fine pyrrhotite	42.0 - 44.0	2.0	Tr	Tr
513	Siliceous tuffs.	44.0 - 46.4	2.4	0.08	2.80
514	Vein quartz-carbonate. VLM	46.4 - 47.2	0.8	Nil	Nil
515	Cherty banded IF. A little pyrrhotite	59.5 - 60.4	0.9	0.01	0.35
516	3" quartz. White. VLM	67.4 - 67.9	0.5	Tr	Tr
517	Lean banded tuffaceous IF. A little pyrrh.	97.1 - 99.1	2.0	0.03	1.05
518	Feldspar porphyry. 1", 10" clear quartz. VLM	104.3 - 106.5	2.2	Nil	Nil
519	3" IF with pyrite, pyrrh. and poss. a little ars	143.9 - 144.3	0.4	Tr	Tr
520	Pyrite and pyrrhotite in andesite	145.0 - 145.7	0.7	0.01	0.35
521	Siliceous sediment with a little quartz & py, pyrrh	149.6 - 151.2	1.6	Tr	Tr
522	3", 2" quartz in andesite. PY, pyrrh, & a little chalc	151.2 - 152.2	2.0	.05	1.75
523	Brown altered andesite with a little garnet, A little pyrite, pyrrh. and quartz str. to $\frac{1}{2}$ "	152.2 - 155.6	3.4	.05	1.75

No.	Description	Footage	Length Ft	Assay Oz/Au	Value \$/ton
875	Possibly a sediment. Very heavy arsenopyrite pyrite and Sphalerite Assay also Ag-2.64 oz; Zn - 1.67%	156.6 - 156.6	1.0	0.57	19.95
876	Do. Not so much arsenopyrite Assay also Ag 1.91 oz; Zn 2.16%	156.6 - 168.6	2.0	0.21	7.35
Averages for this section:					
8.0' - 11.55 Au; 2.15 oz. Ag; 2.00% Zn or 4.8' - 7.70					
877	Brown biotite schist. Fm py, pyrhh, arseno	168.6 - 160.4	1.8	0.04	1.40
878	Do. Not much mineralization	162.5 - 163.5	1.0	0.01	0.35
884	Siliceous sediment with pyrrhotite	183.9 - 184.9	1.0	0.03	1.05
825	Siliceous banded sediment (Lean F) VLM	184.9 - 187.8	2.9	0.02	0.70
826	5" quartz; 2" quartz. Some pyrrhotite	187.8 - 188.9	1.1	0.01	0.35
827	4" quartz. VLM	202.8 - 203.8	0.5	Tr	Tr

NOTE: A small specimen of mineralized core from sample 867 was assayed at Cochenour-Millars. This ran 0.68 oz. (\$23.80)

SLUDGES

18' - 30'	0.04	1.40	110' - 120'	0.05 oz	\$1.75
30' - 40'	0.10	2.50	120 - 130	0.02	0.80
40 - 50	0.02	0.70	130 - 140	0.02	0.70
50 - 60	0.01	0.35	140 - 150	0.34	11.90
60 - 70	0.02	0.70	150 - 160	0.06	1.75
70 - 80	0.03	1.05	160 - 170	0.04	1.40
80 - 90	0.01	0.35	170 - 180	0.04	1.40
90 - 100	0.30	10.50	180 - 190	0.03	1.05
100 - 110	0.08	2.80	190 - 205	0.02	0.70

GEOLOG

- 0' - 19.0 -- Casing
- 19.0 - 30.5 -- Green andesite. Locally some biotite alteration. Fairly well mineralized with pyrrhotite
- 30.5 - 31.6 -- Tuffs. Biotite alteration. At 31' a possible fault.
- 31.6 - 40.0 -- Cherty, lean Iron formation. Contorted bedding. Well mineralized
- 40.0 - 46.5 -- Banded slaty tuffs.
- 46.5 - 102.8 -- Dark grey andesite. Weakly schisted. Occasional thin interbeds of sediment.
- 96.8 - 96.8 -- Feldspar porphyry
- 102.8 - 116.9 -- Feldspar porphyry. Phenocrysts not too common and a few quartz eyes.
- 116.9 - 193.4 -- Dark gray - Green andesite flow. Locally largely amygdaloidal. Some biotite alteration. Some sedimentary interbeds.
- 144.5 - 144.8 -- Bedded sediment
- 149.7 - 151.0 -- siliceous lean IF
- 155.5 - 158.00 -- Dark sediments. Well mineralized.
- 162.5 - 164.0 -- Siliceous banded sediment.
- 193.4 - 200.0 -- Intrusive diorite.
- 200.0 - 205.0 -- Schisted andesite.
- 205.0 -- End of Hole.

DIAMOND DRILL LOG

October, 1914.

MCFINLEY RED LAKE

D.D.H. No. 37

Bearing - $85^{\circ}0'$
Dip - 46° Location: $410^{\circ}N$; $144^{\circ}W$ Post II
KRL 18785Drilled by: H. Kuntz
Logged by: W.P. Corking

No.	Description	Footage	Length Ft.	Assay Oz/ton	Value \$/ton
528	1", 5" quartz. VLM	42.2 - 42.9	0.7	Tr	
570	12" diorite with pyrrhotite; 12" cherty IF with pyrite, pyrrhotite & a little sphalerite	45.0 - 47.0	2.0	.01	0.35
571	Cherty IF. Mainly pyrrhotite min with sphal.	47.0 - 48.5	1.5	.02	0.70
572	Do.	48.6 - 50.0	1.5	.02	0.70
573	Do.	50.0 - 52.0	2.0	.01	0.35
574	Finely bedded sediments. Mainly pyrrh. Min	55.0 - 58.0	3.0	0.01	0.35
529	Brecciated andesite. A little quartz. VLM	59.7 - 60.9	1.2	0.01	0.35
530	Do.	65.1 - 66.2	1.1	0.01	0.35
579	Brecciated and silicified andesite. 20% qtz with pyrite and pyrrhotite.	83.0 - 85.0	2.0	0.01	0.35
531	17, 4" quartz (VLM) in silic. andesite schist FWM pyrite and pyrrhotite	97.3 - 100.3	3.0	0.02	0.70
532	Feldspar porphyry with a little sugary quartz str and some pyrite	108.6 - 109.6	1.0	Tr	Tr
533	Do.	110.4 - 111.2	0.8	Nil	Nil
534	Do	112.3 - 113.3	1.0	Tr	Tr
535	Siliceous sediment with mainly pyrrh. Min'n	145.0 - 146.0	1.0	0.03	1.05
536	Cherty banded IF. A little pyrrh. sphalerite	161.3 - 163.3	2.0	Tr	Tr
537	Brown schist with fine arsenopyrite needles in a $\frac{1}{2}$ " quartz bleb. Some fine pyrrh.	163.3 - 165.2	1.4	0.01	0.35
538	Brown schist, weakly silicified with py. pyrrh. and fine arsenopyrite needles	165.2 - 165.6	0.4	0.36	12.60
539	Brown schist. FWM Fine pyrrhotite	165.6 - 167.2	1.6	0.01	0.35
540	Brown schist with $\frac{1}{2}$ " silicification in which some galena and sphalerite	167.2 - 167.7	0.5	Tr	Tr
541	Brown schist	167.7 - 169.0	1.3	Tr	Tr

No.	Description	Footage Ft	Length Ft	Assay Oz/ton	Value \$/Ton
542	Brown schist with two $\frac{1}{2}$ " silicified sections containing py, galena and sphalerite	169.0 - 169.7	0.7	0.02	0.70
543	Brown schist. A little pyrite	169.7 - 171.9	2.2	0.01	0.35
544	Brown schist. 10% silicification in streaks. Locally a little pyrite	171.9 - 175.9	4.0	0.01	0.35
545	Do. With a little pyrite, sphalerite, galena	175.9 - 176.7	0.8	Tr	Tr
580	Brown schist with a little quartz and pyrite chalcopryrite and galena	176.7 - 179.0	2.0	0.01	0.35
581	Do.	179.0 - 182.0	3.0	0.01	0.35
546	Siliceous sediment with a little quartz and pyrite, pyrhh, & $\frac{1}{2}$ " streak of arsenopyrtie	195.5 - 196.8	1.3	0.03	1.05

SLUDGES:

30' - 40'	- Nil - Nil
40 - 50	- 0.02 - 0.70
50 - 60	- 0.03 - 1.05
60 - 70	- 0.01 - 0.35
70 - 80	- 0.01 - 0.35
80 - 90	- 0.02 - 0.70
90 - 100	- 0.02 - 0.70
100 - 110	- Tr - Tr
110 - 120	- 0.01 - 0.35
120 - 130	- 0.01 - 0.35
130 - 140	- 0.01 - 0.35
140 - 150	- 0.01 - 0.35
150 - 160	- 0.01 - 0.35
100 - 170	- 0.06 - 2.10
170 - 180	- 0.05 - 1.75
180 - 190	- 0.04 - 1.40
190 - 200	- 0.02 - 0.70
200 - 210	- 0.04 - 0.35

GEOLOGY

0.0' - 30.0'	-- Casing
30.0' - 46.3'	-- 20 Intrusive diorite 30.0 - 35.0 -- Coarse, massive 35.0 - 46.3 -- Finer and well schisted
46.3' - 52.0'	-- Lean banded and brecciated IF. Well mineralized
52.0' - 54.8'	-- Dark grey-black basalt or andesite
54.8' - 58.0'	-- Finely bedded sediments. Quite well mineralized.
58.0 - 108.7'	-- Green and brown weakly schisted andesite. Locally amygdaloidal and in places interbedded with thin sediment beds. (continued)

GEOLOGY (Continued - Page 2)

108.7' - 115.4' -- Feldspar porphyry as in #6

115.4' - 162.0' -- Brown and gray siliceous schist. Probably a flow but possibly a paraschist. Locally interbedded with thin sediments.

162.0' - 163.8' -- Lean, siliceous sediment.

163.8' - 186.0' -- Brown schist

186.0' - 191.7' -- Gray andesite or possibly a dike

191.7' - 210.0' -- Brown schisted flow as above

195.7' - 196.8' -- Siliceous sediment.

210.0' -- End of Hole.

DIAMOND DRILL LOG

October 1934

POWINDY AND WREN

D.D.R. No. 118

Bearing S82°0'E
Dip -45°Location: 570' N; 259' W
Witness Post I P.M. 1499Drilled by: H. Kuntz
Logged by: V.P. Corring

Sample No.	Description	Footage Ft.	Length Ft.	Assay Oz/ton	Value \$/ton
547	1/2" quartz with galena, sphalerite & 4" massive pyrrhotite & a little later sphalerite, & py. Also some chalcopyrite	21.6 - 22.2	0.6	0.04	1.40
548	Massive pyrrhotite with a few large later pyrite cubes	22.2 - 22.7	0.5	0.01	0.35
549	Transparent quartz. V.L.	22.7 - 23.4	0.7	Tr	Tr
550	Brown aged. andesite. 1/16" quartz with sphalerite and chalcopyrite	23.4 - 23.9	0.5	0.01	0.35
551	Carbonate with 2% sphalerite & a little arseno.	24.9 - 25.4	0.5	0.07	2.45
552	Green andesite with a little blebby pyrite & ars	39.9 - 41.5	1.6	Tr	Tr
553	1/2" dark green quartz with associated chalcopyrite & fairly coarse disseminated arsenopyrite	41.5 - 42.2	0.7	Tr	Tr
554	Black andesite. Minor pyrrhotite	42.2 - 44.1	1.9	Tr	Tr
555	Dark siliceous sediment. 10% sulphides--pyrrh. pyrite sphalerite and arsenopyrite	44.1 - 45.3	1.2	0.03	1.05
556	Do. with a little quartz & 20% sulphides--py, sphalerite, pyrrhotite, arsenopyrite	45.3 - 46.4	1.2	0.03	1.05
557	Dark siliceous sediment with 5% sulphides--pyrite pyrrhotite & arsenopyrite	46.4 - 47.4	1.0	0.02	0.70
558	2" quartz with 10% pyrite, sphalerite, arsenopyrite	49.0 - 49.6	0.6	0.01	0.35
559	Argillaceous sediment with numerous quartz threads & veinlets. 2% pyrite, pyrrhotite & arseno.	47.4 - 49.9	2.5	0.02	0.70
560	4" sediment as above & black andesite. A little pyrite & pyrrhotite	49.9 - 52.0	2.1	0.01	0.35
561	60% mineralization in andesite. An 8" compact zone with heavy arseno at contacts & pyrrh. ZnS	52.0 - 53.2	1.2	0.12	4.20
562	Such platy pyrrhotite in andesite (?)	76.0 - 77.4	1.4	0.01	0.35
563	Black sediment with 2% fine pyrite & pyrrh.	77.4 - 80.0	2.6	0.01	0.35
564	A little sphalerite in andesite	88.0 - 88.6	0.6	Nil	Nil
564	1" pyrrhotite with arseno & arsenopyrite disseminated in andesite	97.4 - 98.2	0.8	0.03	1.05

Sample No.	Description	Footage Ft.	Length Ft.	Assay Oz/ton	Value \$/ton
566	2" quartz with 10% pyrite and sphalerite	123.5 - 124.2	0.7	0.02	0.70
567	2" zone of pyrite, pyrrhotite, sphalerite, & galena in green andesite	188.6 - 189.1	0.6	Tr	Tr
568	A few quartz & carbonate str in andesite with 3" calcite. VLM	206.4 - 210.0	3.6	Nil	Nil

SLUDGE ASSAYS

4' - 10'	Tr	100' - 110'	Tr
10' - 20'	Tr	110 - 120	Nil
20 - 30	Tr	120 - 130	Nil
30 - 40	Tr	130 - 140	Tr
40 - 50	0.01 0.35	140 - 150	Tr
50 - 60	0.02 0.70	150 - 160	Nil
60 - 70	Tr	160 - 170	.03 1.05
70 - 80	Tr	170 - 180	Nil
80 - 90	0.01 0.35	180 - 190	Tr
90 - 100	0.01 0.35	190 - 200	Tr
		200 - 210	.04 1.40

GEOLOGY

- 0.0 - 4.0 -- Casing
- 4.0 - 44.3 -- Andesite
 - 4.0 - 15.0 -- Fine grained, massive, green
 - 15.0 - 31.0 -- Schisted and biotitic with some pale mauve garnets here and there and locally heavy mineralization
 - 31.0 - 40.0 -- Fine grained, massive and green. Not mineralized
 - 40.0 - 44.3 -- Becoming mineralized.
- 44.3 - 50.1 -- Dark, argillaceous sediment. Very well mineralized
- 50.1 - 77.4 -- Grey-green andesite
 - 76.2 - 77.4 -- Heavily impregnated with fine platy pyrrhotite
- 77.4 - 83.7 -- Black sediment. Quite hard.
- 83.7 - 210.0 - Light grey-green andesite. Coarse to medium grained.
- 210.0 -- End of Hole

DIAMOND DRILL LOG

Oct 1914

MCINLEY WIND LAKE

D.D.H. No. 19

Bearing True East
Dip 45°Location: 672' S; 288' W
Witness post I KRL 1499Drilled by: H. Kuntz
Logged By: W.P. Corning

Sample No.	Description	Footage Ft.	Length Ft.	Assay Oz/Ton	Value \$/Ton
569	10% pyrrhotite & pyrite in andesite	22.8 - 23.6	0.8	0.02	0.70
570	heavy garnet & a little sphalerite in a compact zone	39.0 - 39.6	0.6	Tr	Tr
605	Brown altered andesite with 50% quartz injected fairly well mineralized with pyrrhotite	58.0 - 60.3	2.3	0.01	0.35
606	Weakly altered green andesite. A few carbonate threads & two thin seams of sphalerite	80.2 - 81.3	1.1	Tr	Tr
607	6" heavy (90%) mineralization in biotite schist. A little quartz; pyrri, arseno, chalco, sphalerite, galena & pyrite. The position of this sample is uncertain. Core in poor condition.	112.5 - 113.3	0.8	0.11	3.85
608	Barren vein carbonate	118.7 - 119.9	1.2	Tr	Tr
609	60% mineralization in quartz matrix. Pyrite, sphalerite & arsenopyrite	134.6 - 135.2	0.6	.01	0.35
610	Irregular quartz in massive fine grained andesite. VLM	212.4 - 213.0	0.6	Tr	Tr
611	7" vein carbonate with a little quartz, VLM	216.9 - 217.8	0.9	Tr	Tr
612	Do. VLM	218.5 - 219.3	0.8	Tr	Tr
613	A few quartz stringers in andesite	230.8 - 232.2	1.4	Tr	Tr

SLUDGE ASSAYS

6' - 10'	N11	160' - 170'	N11
10' - 20'	Tr	170' - 180'	Tr
20' - 30'	Tr	180' - 190'	Tr
30' - 40'	N11	190' - 200'	.01
40' - 50'	.01	200' - 210'	Tr
50' - 60'	.01	210' - 220'	Tr
60' - 70'	N11	220' - 230'	Tr
70' - 80'	Tr	230' - 240'	.02
80' - 90'	.03	240' - 250'	.01
90' - 100'	--	250' - 260'	
100' - 110'	.01	260' - 270'	
110' - 120'	.03	270' - 280'	
120' - 130'	Tr	280' - 290'	
130' - 140'	.01		
140' - 150'	Tr		
150' - 160'	.01		

LOG

0.0' - 6.0 -- Casing

6.0' - 309.5 -- Normal green andesite. Very little variation through the hole. Medium to coarse grained. Locally a few coarse & fine garnets

57.0' - 60.0 -- brown alteration

112.5 - 112.3 -- Heavy mineralization-pyrite, pyrrhotite, chalcopyrite arsenopyrite, sphalerite, galena, with a little quartz

NOTE: The core pieces do not match here, and the enclosing rocks look particularly massive. The location of this intersection in the hole is uncertain.

134.6' - 135.2' -- Do. This section looks very similar to the above one.

279.0' - 309.5' -- The andesite gradually becomes coarse grained.

309.5 -- End of Hole.

DIAMOND DRILL LOG

November 1914

KOFINLEY RED LAKE

D.D.H. No. M10

Bearing
Dip 45°

Location: 354; 10' E Post II KRL 10735

Drilled by: Anjoed
Logged by: Corking

Sample No.	Description	Footage Ft.	Length Ft.	Assay Oz/Ton	Value \$/Ton
571	Quartz-feldspar porphyry with a little irregular quartz with pyrite	8.0 - 8.8	0.8	Tr	Tr
572	Do.	10.8 - 12.5	1.7	Tr	Tr
573	Banded magnetite Sediment. VLM	22.0 - 24.8	1.9	Tr	Tr
574	7" barren carbonate with quartz & carbonate str. in black saussuritic schist	29.5 - 32.4	2.9	Tr	Tr
575	Siliceous sediment with a little quartz & pyrrh	32.4 - 34.6	2.2	0.01	0.35
576	Siliceous sediment. Almost a lean IF. A little quartz, pyrite, pyrrh. & arsenopyrite (?)	39.0 - 41.5	1.9	Tr	Tr
577	Brown schist. Pyrite, pyrrhotite	41.5 - 43.3	1.8	Tr	Tr
578	Siliceous IF. VWM pyrite, pyrrh. chalc & a little streak of arsenopyrite	44.3 - 46.7	1.4	0.05	1.75
579	Siliceous IF. VWM pyrite, pyrrh & a little PbS	46.7 - 47.0	1.5	Tr	Tr
580	Siliceous IF. FWM pyrite & pyrrhotite	47.0 - 49.4	2.4	Tr	Tr
581					
581	6" quartz with siliceous IF, FWM pyrite, pyrrh. & a little galena, sphalerite in the quartz	49.4 - 50.2	0.8	0.04	1.40
582	Brown schist with a little carbonate & pyrite	50.2 - 51.8	1.1	tr	Tr
583	Do.	51.3 - 53.3	2.0	Tr	Tr
584	Do. Including 8" variegated brown-green alter.	53.5 - 59.3	1.8	Tr	Tr
585	6" quartz. Heavy mineralization--arsenopyrite pyrite, pyrrh., chalcopyrite, galena, sphal.	59.3 - 59.9	0.6	0.14	4.90
586	Another 5" quartz with similar mineralization	59.9 - 61.5	0.6	0.11	3.85
587	Brown schist with a few quartz veinlets & a narrow streak of sphalerite. Specks of arsenopy.	61.5 - 64.0	2.5	Tr	Tr
588	Brown speckled schist; 4" silicification with a little pyrite, pyrrhotite, galena, arsenopyrite	64.0 - 64.7	0.7	0.03	1.05
589	Silicified brown schist. Finely mineralised	64.7 - 66.3	1.6	Tr	Tr
590	Massive diorite. A seam (1/16") of chalcopyrite	64.7 - 65.9	1.2	Tr	Tr

Sample No.	Description	Footage Ft.	Length Ft.	Assay Oz/Ton	Value \$/Ton
591	Heavily pyrrhotitized siliceous breccia with pyrite & a little arsenopyrite	105.9 - 107.4	1.5	0.01	0.55
592	Brown schist with a few carbonate str	107.4 - 110.3	2.9	Tr	Tr
593	Moderately siliceous sediment. Comparatively little mineralization	110.3 - 114.9	4.6	Tr	Tr
594	Banded siliceous sediment. Almost lean IF VLM	114.9 - 117.1	2.2	Tr	Tr
595	Dark grey sediment. Not well banded. Not well min.	117.1 - 119.1	2.0	Tr	Tr
596	4" quartz. 10% pyrrhotite	119.1 - 119.7	0.6	0.01	0.55
597	Altered feldspar porphyry; 5" quartz & a little pyrite & pyrrhotite	121.0 - 122.3	1.3	Tr	Tr
598	Gneissic amygdaloidal flow. Quite siliceous. VLM	134.8 - 137.0	2.2	Tr	Tr
599	Do. A few carbonate veinlets & a little pyrite	137.0 - 139.3	2.3	Tr	Tr
600	Gneissic lava with a few quartz & carbonate str & a little pyrite	146.4 - 149.5	3.1	Tr	Tr
601	Do.	150.0 - 153.1	3.1	Tr	Tr
602	Do.	154.8 - 158.0	3.2	Tr	Tr
603	6" white quartz with a little chlorite. VLM Also 50% irregular injection quartz in walls	164.2 - 165.4	1.2	Tr	Tr
604	Irregular quartz injection (50%) in vein wall A little pyrite	165.4 - 166.7	1.3	Tr	Tr
619	Hard gneissic andesite (?) A few str with minor pyrite & pyrrhotite	221.4 - 223.1	1.7	Tr	Tr
620	Several quartz - carbonate str to $\frac{1}{2}$ ". White. VLM	260.0 - 261.0	1.0	Nil	Nil
621	Weak brown alteration in andesite. Fair pyrrh.	292.1 - 293.2	1.1	Tr	Tr
622	50% irregular dark quartz with fair fine py, pyrrh. plus a little arsenopyrite, sphalerite	293.2 - 294.5	1.3	1.72	60.20
	Other half core checks			0.18	6.30

SLUDGES

0 - 10	Tr	Tr	150 - 160	Tr	Tr
10 - 20	Tr	Tr	160 - 170	Tr	Tr
20 - 30	0.01	0.35	170 - 180	Tr	Tr
30 - 40	Tr	Tr	180 - 190	Tr	Tr
40 - 50	0.03	1.05	190 - 200	0.01	0.35
50 - 60	Tr	Tr	200 - 210	Tr	Tr
60 - 70	0.06	2.10	210 - 220	0.01	0.35
70 - 80	0.07	2.45	220 - 230	0.09	2.45
80 - 90	0.05	1.75	230 - 240	Tr	Tr
90 - 100	0.09	2.15	240 - 250	Tr	Tr
100 - 110	0.01	0.35	250 - 260	Tr	Tr
110 - 120	0.01	0.35	260 - 270	0.01	0.35
120 - 130	Tr	Tr	270 - 280	0.04	1.40
130 - 140	Tr	Tr	280 - 290	0.24	8.40
140 - 150	Tr	Tr			

GEOLOGY

- 0'0" - 5'0" -- Casing
- 5'0" - 16.8' -- Quartz-feldspar porphyry - grey- a few quartz stringers with pyrite and traces of sphalerite
- 16.8' - 22.9' -- Black schist speckled with platy saussurite
- 22.9' - 25.0' -- Well bedded black and green sediment. Some magnetite
- 25.0' - 52.6' -- Heavily saussuritic black schist. Probably altered flow. Numerous stringers. Locally grey & fairly well schisted
42.4-43.0 -- magnetic sediment
- 52.6' - 53.8' -- Siliceous sediment. Graywacke. A little pyrrhotite
- 53.8' - 57.3' -- Dark grey schisted flow - coarse
- 57.3' - 59.9' -- Brown altered andesite schist. Some amygdules.
- 59.9' - 61.3' -- Lean banded cherty IF. FWM pyrite, pyrrhotite
- 61.3' - 74.4' -- Brown altered andesite schist. Quite siliceous. With a fine fragmental appearance. Probably a highly altered flow (andesite)
- 74.4' - 80.3' -- Lean IF. FWM pyrite, pyrrhotite. A little quartz.
- 80.3' - 99.1' -- Brown schist as above
90.3-91.5 -- 4" quartz veins, heavily mineralized with pyrite, pyrrhotite, arsenopyrite, galena, sphalerite, chalcopyrite. This intersection preceded by a variegated brown-green alteration for 6"
- 99.1' - 108.8' -- Fairly fresh intrusive diorite
- 108.8' - 110.1' -- Highly silicified zone. Heavy pyrrhotite, pyrite with a little arseno.

GEOLOGY CONTINUED

- 110.1' - 113.6' -- Brown schist as above
- 113.6' - 123.0' -- Sediments. Mostly siliceous & almost as lean as lean Ist, but locally more impure. Generally well banded.
- 123.0' - 126.0' -- Mottled grey amygdaloidal lava. Gneissic texture due to recrystallization.
- 126.0' - 128.2' -- Highly altered feldspar porphyry
- 128.2' - 158.0' -- Mottled grey-green amygdaloidal lava. Gneissic texture as above.
- 158.0' - 185.0' -- Brown & brown-green dioritic greenstone. No amygdaloids & not uniform in colour and texture. Locally recrystallized with a gneissic texture.
- 185.0' - 265.0' -- Highly schisted, mottled grey, green, brown lava. Locally amygdaloidal. Gneissic texture as above.
- 265.0' - 299.0' -- Uniform, even grained, fine amygdaloidal andesite
- 299.0' -- End of Hole.

DIAMOND DRILL LOG

November 1944

MOPINLEY RWD LAKE

D.D.H. No. M11

Bearing 045°R
Dip -76°Location: 354', 10'E Post II
KRL 18735Drilled by: Anjoed
Logged by: W.P. Corking

Sample No	Description	Footage Ft.	Length Ft.	Assay Oz/Ton	Value \$/Ton
623	Quartz-feldspar porphyry. A few qtz. str. with pyrite	8.8' - 10.0	1.2	Tr	Tr
624	Do.	21.8' - 34.4	2.6	Nil	Nil
625	Impure sediment with garnet. A little pyrite, sphalerite	39.0' - 39.8	0.8	Nil	Nil
626	Do.	39.8' - 42.2	2.4	Tr	Tr
627	Cherty IF with a little pyrite	70.9' - 90.9'	1.0	0.02	0.70
628	Quartz-carbonate str. in fresh andesite. a little py.	85.1' - 86.5	1.5	Tr	Tr
629	Siliceous IF with a fair % pyrite, pyrrh.	92.5' - 95.8'	3.3	Nil	Nil
614	Silicification in brown schist, 10% pyrite; some arseno.	97.5' - 98.2'	0.7	0.01	0.35
630	Hard brown amygdaloidal andesite. A little pyrrh	98.2' - 100.8'	2.6	Tr	Tr
631	Do.	102.5' - 103.7A	1.2	0.02	0.70
632	Do	103.7' - 105.1	1.4	Tr	Tr
633	Do	105.1' - 106.8	1.7	Nil	Nil
634	5% pyrite in black andesite. A little quartz	112.1' - 113.5	1.4	Nil	Nil
615	Brown schist; FMS disseminated pyrite	115.5' - 116.7	1.2	Tr	Tr
616	60% quartz with 50% mineralization; pyrrh, arseno, pyrite, sphalerite, galena	116.7' - 117.9	1.2	0.23	8.05
617	Brown schist with stringers with 10% py; a little PbS	117.9' - 118.8	0.9	0.02	0.70
618	Do	118.8' - 119.9	1.1	Tr	Tr
635	Brown schist with a little pyrite, galena	119.9' - 123.4'	3.5	Nil	Nil
636	Siliceous IF. Some pyrite, pyrrhotite	125.5' - 127.8	2.3	Nil	Nil
637	Do	127.8' - 131.2	3.4	Tr	Tr

SLUDGES

6-10	Tr	Tr	80-90	0.13	4.55
10-20	Tr	Tr	90-100	0.05	1.75
20-30	Tr	Tr	100-110	0.01	0.35
30-40	Tr	Tr	110-120	0.12	4.20
40-50	Tr	Tr	120-130	0.06	2.10
50-60	Tr	Tr	130-140	Tr	Tr.
60-70	Tr	Tr	140-150	0.04	1.40
70-80	Tr	Tr			

GEOLOGY

- 0.0' - 6.6' -- Casing
- 6.6' - 8.8' -- Andesite -- fine grained, black, uniform texture.
- 8.8' - 38.5' -- Quartz-feldspar porphyry. Fresh, no sericite. Both quartz & feldspar phenocrysts are scarce. Some narrow quartz stringers.
- 38.5' - 39.0' -- Andesite -- black as above.
- 39.0' - 42.0' -- Sediments. Fine grained. Garnets & a little sphalerite.
- 42.0' - 43.8' -- Andesite -- black.
- 43.8' - 44.0' -- Feldspar porphyry.
- 44.0' - 70.6' -- Andesite -- black to dark green.
- 70.6' - 71.9' -- Siliceous Iron formation.
- 71.9' - 91.5' -- Andesite -- uniform, black-green.
- 91.5' - 94.8' -- Iron formation -- siliceous
- 94.8' - 120.0 -- Andesite -- angularoidal; green-black.
 113.5' - 115.5' -- core ground and lost.
 112.5' - 120.0' -- Mineralized shear zone with quartz vein.
- 126.0 - 131.4 -- Iron formation -- siliceous.
- 131.4 - 140.9 -- Andesite -- (?) Mottled, contorted and silicified.
- 140.9 - 149.9 -- Diorite. Fresh younger intrusive.
- 149.9 - 160.5 -- Andesite -- (?) As above the diorite. Lenticular banded structure.
- 160.5' -- End of Hole.

MCNINLEY WEST LAKE

Bearing - S45° E
Dip - 15°Location: 379°N; 185°E Post 11
KRL 18735Drilled by: Anjoed
Logged by: Corking

Sample No.	Description	Footage	Length Ft.	Assay	Value
				Oz/Ton	\$/Ton
638	Sediments; dark well bedded. 2% diss. py, 2% diss arseno	29.5' - 31.6'	2.1	Tr	Tr
639	Quartz; dark grey, opaque. 5% pyrite, 1% arsenopyrite	31.6' - 33.0'	1.4	Tr	Tr
640	1 1/2" quartz as above; Cherty P; A little pyrite, arseno	33.0' - 34.2'	1.2	Tr	Tr
641	50% quartz; chlorite. VLM	34.2' - 35.6'	1.4	Tr	Tr
642	Schist; dark grey-brown. 30% qtz str & veinlets. A little fine arsenopyrite, py, chalcoppyrite, pyrrh. Total metallics about 1-2%. Also actinolite	35.6' - 37.1'	1.5	Tr	Tr
643	60% irregular quartz. A little fine pyrite, pyrrh.	37.1' - 39.2'	1.1	Tr	
644	60% irregular quartz; actinolite. VLM	39.2' - 41.0'	1.8	Tr	
645	Schist; medium grained, brown-black. A few qtz str VLM	41.0' - 42.2'	1.2	Tr	
646	Sediments; Fine grained, well bedded. Many qtz veinlets, 2% pyrrhotite, 2% disseminated arsenopyrite	44.0' - 45.6'	1.6	Tr	
647	Do.	45.6' - 47.1'	1.5	Tr	
648	Schist; black. A little quartz & 1% arsenopyrite	52.3' - 55.0'	1.7	Tr	
649	Silicified black flow; VLM	55.0' - 58.1'	3.1	Tr	
650	Do. Some carbonatization. VLM	58.1' - 60.5'	2.4	Tr	
651	8" carbonateized flow with quartz & actinolite & chrome-green stain with 5% vuggy pyrite. A little pyrrhotite	60.5' - 62.1'	1.6	0.04	1.40
652	Quartz-actinolite as above. 10% pyrite, a little pyrrh	62.1' - 63.7'	1.6	Tr	Tr
653	Do.	63.7' - 65.3'	1.6	Tr	
654	Black wallrock inclusion	65.3' - 66.1'	0.8	Tr	
655	Quartz-actinolite; a little pyrite, pyrrhotite	66.1' - 67.3'	1.2	Tr	
656	Black schist; a few tight quartz veinlets. VLM	67.3' - 69.3'	2.0	Tr	
657	Schist; grey-green. Many quartz threads in sch planes	74.6' - 77.0'	2.4	Tr	
658	Do.	77.0' - 79.3'	2.3	0.02	0.70
659	Black schist; a few quartz str. FEM fine pyrrhotite	81.9' - 84.1'	2.2	Tr	Tr

Sample No.	Description	Footage	Length	Assay	Value
660	Black schist; 20% quartz veinlets. FWN py, pyrrh.	87.1' - 89.2'	2.1	Tr	Tr
661	Black schist; a little quartz with pyrite	102.8' - 103.7'	0.9	0.02	0.70
662	5" carbonate vein with a little pyrite	109.5' - 110.2'	0.7	0.06	2.10
663	Green schist; silicified, Chlorite, VLV	114.2' - 115.9'	1.7	0.02	0.70
664	Sediments; dark. 1% pyrite, 1% arsenopyrite	121.3' - 121.9'	0.6	0.04	1.40
665	Barren quartz at porphyry contact	128.0' - 130.3'	2.3	Tr	Tr
666	Quartz stringers in greenstone. Possibly some silic. IF. FWN fine pyrite, pyrrhotite	166.6' - 168.9'	2.3	N11	N11
667	Do. A little galena & possibly fine arsenopyrite	170.0' - 170.8'	0.8	0.02	0.70
668	Andesite schist; black. A little pyrite, pyrrh.	183.3' - 185.0'	1.7	0.02	0.70
669	Siliceous IF; 2% pyrrh, 5% pyrite, 1% arsenopyrite and traces of sphalerite.	185.0' - 186.3'	1.3	0.28	9.80
670	Do. 5% pyrite, 2% arsenopyrite, 1% pyrrh. Traces of sphalerite, galena, chalcopyrite	186.3' - 187.6'	1.2	0.04	1.40
671	Do. 20% pyrite. A little arsenopyrite, sphalerite	187.6' - 188.8'	1.3	0.02	0.70
672	Do. 20% pyrite, 2% arsenopyrite, 2% sphalerite, traces of galena	188.8' - 189.9'	1.1	0.02	0.70
673	Vein quartz; dark gray. 5% pyrite, 5% pyrrhotite, 1% arsenopyrite, 1% sphalerite, 1% galena	189.9' - 191.5'	1.6	0.04	1.40
674	Siliceous IF with more impure elements than above the quartz. 2% pyrite, 2% pyrrh. Traces chalcopyrite	191.5' - 193.9'	2.4	Tr	Tr
675	Andesite schist; brown-black. A little pyrite, pyrrh.	193.9' - 195.4'	1.5	Tr	Tr
676	Andesite; brown. 1/2" quartz. A little arsenopyrite, pyrite, sphalerite & fine pyrrhotite	201.8' - 203.0'	1.2	Tr	Tr
677	Grey flow; highly siliceous. Some vein quartz with a little pyrrhotite, pyrite, sphalerite	211.8' - 213.0'	1.2	0.02	0.70
678	IF; contorted, brecciated. A little pyrrhotite	231.4' - 232.8'	1.4	Tr	Tr
679	Do.	232.8' - 235.3'	2.5	Tr	Tr
680	Do. Including 5" dark irregular quartz with 2% py	235.3' - 236.8'	1.5	Tr	Tr
681	Do. A little pyrite, pyrrhotite, magnetite	243.6' - 245.0'	1.4	0.02	0.70
682	7" quartz at contact. 2% pyrite & a little pyrrh.	245.0' - 246.2'	1.2	Tr	Tr

Sample No.	Description	Footage	Length	Assay Value
683	Sericite schist. fair pyrite disseminated	246.2' - 247.9'	1.7	Tr Tr

SLUDGES

30 - 40	N11	N11	150 - 140	Tr	Tr
40 - 50	N11	N11	140 - 150	0.04	1.40
50 - 60	N11	N11	150 - 160	0.36	12.60
60 - 70	0.02	0.70	160 - 170	0.06	2.10
70 - 80	Tr	Tr	170 - 180	0.04	1.40
80 - 90	N11	N11	180 - 190	0.02	0.70
90 - 100	N11	N11	190 - 200	0.34	11.90
100 - 110	N11	N11	200 - 210	0.18	6.30
110 - 120	0.02	0.70	210 - 220	0.02	0.70
120 - 130	Tr	Tr			

GEOLOGY

- 0.0' - 29.6' -- Casing
- 29.6' - 32.0' -- Sediments, fine-grained, impure. Some lean IF. VFM pyrite, pyrhh, arsenopyrite
- 32.0' - 42.0' -- Mostly irregular quartz. A little pyrite, arsenopyrite.
- 42.0' - 47.0' -- Brown schist. Lava or sediment. Occasionally a little pyrite, arsenopyrite
- 47.0' - 57.0' -- Brown schist. Probably lava. Occasionally a little pyrite, arsenopyrite
- 57.0' - 61.0' -- Quartz-breccia injection mixture
- 61.0' - 67.0' -- Quartz. Heavily pyritised. 8" black inclusion.
- 67.0' - 72.0' -- Black rock. Vaguely fragmental.
- 72.0' - 78.0' -- Grey-green schist; probably lava. Heavily shot with quartz veinlets. but VFM
- 78.0' - 123.2' -- Black schist. Probably lava, but garnets in one place. Highly metamorphosed.
 - 119.5' - 120.0' -- Dark bedded sediment.
 - 121.3' - 122.0' -- Dark, bedded sediment with pyrite, arsenopyrite
- 123.2' - 130.3' -- Grey rock. Ghost outlines might be phenocrysts. Probably an intrusive of the porphyry type. The lower contact appears intrusive. Numerous grains of a yellow non-metallic which may be scheelite - perhaps $\frac{1}{2}$ "
- 130.3' - 177.0' -- Grey-green-black flow. Highly metamorphosed.
 - 152.7' -- $\frac{1}{2}$ " quartz with SCHEELITE
 - 169.0' - 170.0' -- Core ground, and lost.
 - 172.0' - 174.0' -- Highly altered old feldspar porphyry
- 177.0' - 178.0' -- Sediment. Dark.
- 178.0' - 185.2' -- Black amygdaloidal andesite.
- 185.2' - 193.8' -- Banded IF; siliceous. Heavily mineralized with py, pyrhh, arseno, galena, chalcopyrite, sphalerite. Some quartz vein matter.
- 193.8' - 206.3' -- Brown-black amygdaloidal andesite.
- 206.3' - 213.0' -- Grey lava. Sharp contacts. Could be an old basic porphyritic dike.
- 213.0' - 225.5' -- Black amygdaloidal andesite. Becoming grey & irregular, variegated.
- 225.5' - 236.9' -- lean siliceous IF. Not a great deal of mineralisation.
 - 231.8' - 236.9' -- Contorted and brecciated.
- 236.9' - 243.6' -- Diorite dike as in other holes
- 243.6' - 245.6' -- IF as above.
- 245.6' - 250.0' -- Glove-brown sericite schist. Porphyry type intrusive. No phenocrysts.
- 250.0' - 255.0' -- Sediments. Not the normal type. Coarse & fine clastic particles. Poorly bedded.
- 255.0' -- End of Hole.

November, 1944

DIAMOND DRILL LOG

D.D.H. No. M13

MCFINLEY RED LAKE

 Bearing - $945^{\circ}E$
 Dip - -55°

 Location; $579^{\circ} N; 185^{\circ} W$
 Post II KRL 18735

 Drilled by: Anjoed
 Logged by: Corking

Sample No.	Description	Footage Ft.	Length Ft.	Assay Oz/ton	Value \$/Ton
684	Greywacke sediment; a few quartz str. VLM	35.8 - 37.3	1.5	Tr	Tr
685	Black slaty sediment; 3" qtz with py, chalco	37.3 - 39.2	1.9	0.02	0.70
686	Black sediment; 5% arsenopyrite, 5% pyrite	39.2 - 40.7	1.5	Tr	Tr
687	Green sediment; 5% arsenopyrite	40.7 - 41.2	0.5	0.02	0.70
688	Quartz; 5% pyrite, 5% arsenopyrite	41.2 - 42.2	1.0	0.20	7.00
689	8" quartz; 5% arsenopyrite, 5% pyrite	42.2 - 43.0	0.8	0.04	1.40
690	Black sediment; 5% pyrite	43.0 - 43.7	0.7	Tr	Tr
691	Cherty IF; 50% irregular chloritic quartz; 2% py	43.7 - 44.7	1.0	Nil	Nil
692	7" quartz as above with cherty IF	44.7 - 46.0	1.3	0.04	1.40
693	Dark IF; 4" chloritic quartz. A little pyrrhotite	46.0 - 46.9	0.9	Tr	Tr
694	Brown andesite schist; numerous quartz threads VLM	46.9 - 49.3	2.4	Nil	Nil
695	Vein quartz; 50% coarse wuggy pyrite	49.3 - 50.3	1.0	Nil	Nil
696	Flat quartz seam with 10% pyrite	57.3 - 59.0	1.7	Nil	Nil
697	5" quartz with other str & chlorite. VLM	67.7 - 68.9	1.2	Nil	Nil
698	Representative sample of heavily banded metamorphic Grey rock with 60% qtz str. Tight. VLM	71.0 - 73.7	2.7	Nil	Nil
699	Quartz; 10% sphalerite, a little galena	77.6 - 78.9	1.3	0.10	3.50
700	Schist; 5% quartz str. and fair sphalerite	78.9 - 81.3	2.4	Tr	Tr
2702	6" barren quartz in grey schist	81.3 - 82.6	1.3	Nil	Nil
2703	Tuffs; many quartz threads & str. VLM	102.6 - 106.0	3.4	Nil	Nil
2704	Siliceous fragmental; 4" quartz, fair pyrite	106.0 - 107.8	1.8	Tr	Tr
2705	3" silicification with pyrite, pyrrhotite	117.4 - 118.2	0.8	Tr	Tr
2706	Siliceous IF with a little pyrite, pyrrhotite	120.4 - 122.0	1.6	0.03	0.70

SLUDGES

25 - 30	Tr	Tr	90 - 100	Nil	Nil
30 - 40	0.08	2.80	100 - 110	Nil	Nil
40 - 50	Tr	Tr	110 - 120	--	--
50 - 60	Nil	Nil	120 - 130	Tr	Tr
60 - 70	Nil	--			
70 - 80	Nil	--			
80 - 90	Nil	--			

GEOLOGY

0.0'	-	25.0'	--	Casing
25.0'	-	26.0'	--	Fragmental rock
26.0'	-	28.0'	--	Diorite; old and fine grained. (biotite schist)
28.0'	-	34.0'	--	Diorite; light green, coarse recrystallized (actinolite schist)
34.0'	-	37.0'	--	Sediment; brown, fine grained. Well bedded
37.0'	-	40.0'	--	Sediment; slaty, black -- half of this well mineralized - pyrite, pyrrotite, arsenopyrite
40.0'	-	40.7'	--	Sediment; green, with arsenopyrite
40.7'	-	42.2'	--	Quartz; with pyrite, pyrrotite, arsenopyrite.
42.2'	-	43.8'	--	Sediment; black. with pyrite, pyrrotite
43.8'	-	47.0'	--	IF; brecciated & siliceous with irregular quartz. A little mineralization
47.0'	-	49.3'	--	Brown schist; flow (?) with quartz stringers.
49.3'	-	50.3'	--	Vein quartz; 50% vuggy coarse pyrite
50.3'	-	67.8'	--	Faintly variegated green and black massive rock. Possibly a dike
67.8'	-	93.0'	--	Schisted flow; or possibly a coarse sediment or tuff; highly schisted with many stringers locally up to 80%.
		77.6'	--	Quartz intersection with heavy sphalerite etc.
93.0'	-	103.0'	--	Andesite; dark grey, with stringers.
103.0'	-	108.3'	--	Gray rock similar to 67.8' - 93.0'
108.3'	-	110.0'	--	Volcanic fragmental; siliceous
110.0'	-	120.5'	--	Black amygdaloidal andesite
120.5'	-	121.9'	--	Siliceous IF
121.9'	-	126.0'	--	Black amygdaloidal andesite
		126.0'	--	End of Hole

NOTE: This hole caved -- was abandoned.

November, 1941

DIAMOND DRILL LOG
MCFINLEY RED LAKE

D.D.H. No. M14

Direction

Location

Drilled by

Anjoed

Dip

Logged by

W.P. Corking

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2601	Diorite; numerous strs up to 1/2"; 3" CO ₃	54.0 - 55.6	1.6	Tr	Tr
2602	IF; brecciated and refilled with 10% quartz. FWM pyrite, pyrrh. Poss a little fine arsenopyrite and chalcopyrite	55.6 - 57.7	2.1	Tr	Tr
2603	Dark, impure sediments, a l py, pyrrh	57.7 - 62.5	4.8	Tr	Tr
2604	Do.	62.5 - 67.2	4.7	Tr	Tr
2605	Cherty sediments. FWM py, pyrrh, arseno (?)	67.2 - 69.2	2.0	0.02	0.70
2606	IF. A little quartz; py, pyrrh, arseno (?)	83.0 - 85.4	2.4	0.02	0.70
2607	Slaty sediments; 5% red sphalerite, & fine galena over 12" length	115.3 - 117.5	2.2	Tr	Tr
2608	Silicification in actinolite schist. FWM	155.0 - 156.0	1.0	Tr	Tr
2609	Black schist, a little pyrrh & a seam of chalcopyrite. (0.8' core ground & lost)	160.3 - 162.4	2.1	Tr	Tr
2610	Siliceous sediments; a little py, pyrrh, arsen	162.4 - 163.7	1.3	0.02	0.70
2639	IF; FWM py, pyrrh, some included flow matter	168.1 - 170.1	2.0	0.04	1.40
2640	Mostly amygd'l lava; some IF. 5% py, 1% sphal.	170.1 - 171.9	1.8	0.06	2.10
2641	15% quartz; 85% mineralization (pyrite, pyrrhotite, arsenopyrite, sphalerite, galena, chalcopyrite in order of abundance)	171.9 - 173.5	1.6	0.96	33.60
2642	50% quartz, wallrock; 50% mineralization (pyrrhotite, pyrite, sphalerite)	173.5 - 174.6	1.1	0.04	1.40
2643	30% quartz, 30% wallrock; 5-% mineralization (mostly pyrrh, 5% sphalerite, traces chalco)	174.6 - 176.7	2.1	0.08	2.80
2644	Weakly silicified brown schist; 10% py, pyrrh.	180.0 - 182.6	2.6	Tr	Tr
2301	Andesite, a little pyrite and carbonate	212.8 - 215.5	2.7	Tr	Tr
2302	Andesite with some carbonate. FWM pyrite	220.3 - 221.3	1.0	Tr	Tr
2303	Lean IF. Some pyrite	225.8 - 228.3	2.5	Tr	Tr

SILDGES

46 - 50	120 - 130
50 - 60	130 - 140
60 - 70	140 - 150
70 - 80	150 - 160
80 - 90	160 - 170
90 - 100	170 - 180
100 - 110	180 - 190
110 - 120	190 - 200
	200 - 210
	210 - 220

GEOLOGY

- 0.0 - 46.2 -- Casing
- 46.2 - 54.0 -- Diorite; soft, serpentinous. Probably of the Keewatin lava age. A few quartz stringers.
- 54.0 - 68.4 -- Iron formation; banded and locally brecciated. Mostly siliceous with a considerable percentage of dark bedded sediments. Weakly mineralized.
- 68.4 - 83.6 -- Grey to black, highly metamorphosed amygdaloidal basalt.
- 83.6 - 85.4 -- Iron formation; siliceous. Some pink non-metallic unidentified.
- 85.4 - 116.7 -- Grey basalt as above. Somewhat gneissic texture with few amygdules. Not well mineralized.
- 116.7 - 117.4 -- Dark slaty sediments with good sphalerite and galena mineralization over 12"
- 117.4 - 127.0 -- Grey-black basalt as above. Recrystallized to a biotite metabasalt, or metadiorite.
- 127.0 - 136.0 -- Very hard pink feldspar porphyry
- 136.0 - 141.0 -- Core ground and lost
- 141.0 - 162.4 -- Grey-black schist. Fine grained and slightly more brown than above.
 - 147 - 162.4-- becoming green and faintly banded in an irregular pattern due to development of actinolite
 - 161 - 162 -- Core ground and lost
- 162.4 - 168.7 -- Siliceous sediments.
- 168.7 - 168.1 -- Brown schist (biotite)
- 168.1 - 178.0 -- Very well mineralized zone in amygdaloidal brown schist; pyrite, pyrrotite, arsenopyrite, galena, sphalerite. Some quartz with concentrated mineralization.
- 178.0 - 190.0 -- Brown amygdaloidal schist. Locally some mineralization
- 190.0- -- Very lean cherty Iron formation with no mineralization at all.

December 19

DIAMOND DRILL LOG

DDH NO M 15

DIP 45°

MCFINLEY RED LAKE

BEARING S 52°-12' E

LOCATION 560' NORTH 38' WEST
N° 3 Post KRL 246Drilled by Anjoed
Logged by W.P. Corking

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	ASSAY \$/TON
2304	Quartz-chlorite schist; some carb veinlets; VWM pyrite, chalcopyrite	69.0 - 70.2	1.2	Tr	Tr
2305	Impure sediment; some sphalerite, chalcopyrite, pyrite, galena, arsenopyrite. VWM	70.2 - 71.4	1.2	0.04	1.40
2306	Impure sediment with pyrite. Well banded	71.4 - 73.0	1.6	Tr	Tr
2307 2836	Dark grey-green siliceous sediment. Very lightly mineralized.	73.0 - 76.0	3.0	Tr	Tr
2837	Well bedded grey-green sediment. FWM pyrrh, traces of arseno, py. Pink nonmetallic	76.0 - 78.0	2.0	Tr	Tr
2839	Fine grained sediment, pyrrh, arseno, py. Pink nonmetallic	78.0 - 79.2	1.2	Tr	Tr
2307	Sediment with 60% quartz. Some pyrite	79.8 - 80.5	0.7	Tr	Tr
2840	Highly siliceous andesite. A little fine py & pyrrhotite, Many qtz veinlets. Somewhat brecc.	85.4 - 87.5	2.1	Tr	Tr
2308	Andesite schist. Pyrite (fair) Some qtz-CO ₃	87.5 - 88.2	0.7	0.02	0.70
2841	Do.	88.2 - 90.2	2.0	Tr	Tr
2309	Almost pure calcite. VLM	98.8 - 100.3	1.5	Tr	Tr
2842	Slightly silicified and brecciated zone in andesite. A little pyrite, pyrrhotite	100.3 - 102.6	2.3	Tr	Tr
2310	Andesite schist. FWM pyrite	109.1 - 110.5	1.4	Tr	Tr

SLUDGE ASSAYS

55 - 65	Tr	Tr	100 - 110	?	
65 - 75	Tr	Tr	110 - 120	0.02	0.70
75 - 85	Tr	Tr	120 - 130	Tr	Tr
85 - 95	0.02	0.70	130 - 140	0.02	0.70
95 - 100	0.02	0.70	140 - 150	0.02	0.70

GEOLOGY

- 0.0 - 55.5 -- Casing
- 55.5 - 64.5 -- Soft actinolite schist. Characteristic green rosettes. Numerous quartz - carbonate stringers near the lower contact.
- 64.5 - 70.0 -- Similar textured rock with a fair quartz content (Dacite ?) Actually a quartz-chlorite schist. Fair mineralization at lower contact.
- 70.0 - 80.3 -- Finely bedded black sediment . Cherty, with grey and green members. Fairly well mineralized at the upper end with pyrite, pyrrhotite, chalcopyrite, traces of galena and occasional needles of arsenopyrite. Some unidentified pink non-metallic. Bedding tops indicated towards bottom of hole.
- 80.3 - 117.5 --- Brown-black amygdaloidal andesite, becoming irregularly altered
 - 85.4 - 90.2 -- Siliceous and slightly brecciated, not much mineralization
 - 119.0 - 121.5 -- Core ground.
- 117.5 - 157.8 -- Quartz porphyry; light grey with some small pink feldspars in the lower section.
- 157.8 - 164.5 -- Weakly banded andesite schist.
 - 164.5 -- End of Hole.

NOTE: Due to a breakdown on the machine this hole was stopped prematurely and in June, 1945 was deepened to 277.9' with the following results:

6042	Grey-green andesite schist. A little pyrite	168.4 - 169.3	3.9	Tr	Tr
6043	Do	169.3 - 169.1	1.9	N11	N11
6044	Iron formation; a little carb; some py, pyrrh	169.1 - 170.6	1.5	N11	N11
6045	Green andesite schist; a few carb threads	170.6 - 172.2	1.6	Tr	Tr
6046	Garnet schist. Traces of mineralization	172.2 - 173.7	1.5	Tr	Tr
6047	Green andesite schist (Sediment?) with 50% mineralization py, pyrrh, arsenopyrite, sphalerite, galena, pyrrh, all coarse. A little quartz in veins	173.7 - 175.3	1.6	0.04	3.40
6048	Do.	175.3 - 176.2	0.9	0.02	0.70
6049	Grey-brown andesite schist. A few carb threads & traces pyrite and arsenopyrite	176.2 - 180.0	3.8	0.01	0.35
6050	Do. 30% carb. FM arseno, pyrrh, pyrite	180.0 - 181.6	1.6	0.02	0.70
6051	Banded iron formation. A little quartz. Sparse mineralization.-pyrite, pyrrhotite	181.6 - 182.8	1.2	Tr	Tr
6052	Brown andesite schist. VLS	182.8 - 184.8	2.0	Tr	Tr
6053	Siliceous iron formation. A little quartz. FM pyrrh	211.5 - 214.0	2.5	0.01	0.35
6054	Hard grey andesite schist. 2" quartz. Some py, pyrrh	214.0 - 216.9	2.9	0.01	0.35
6055	Grey altered andesite schist. Silicified. VLS	254.4 - 254.0	4.6	0.04	1.40
6056	Porphyry with a little vein quartz str. VLS	254.0 - 256.2	2.2	0.01	0.35

GEOLOGY

- 168.4 - 169.3 -- Andesite schist as above
 169.3 - 170.6 -- Lean iron formation or tuffs. Siliceous and banded.
 170.6 - 172.5 -- Very fine grained brown schist.
 172.5 - 176.2 -- Grey garnet schist including a heavily mineralized quartz zone.
 176.2 - 181.6 -- Brown andesite schist
 181.6 - 181.4 -- Lean banded iron formation
 182.4 - 205.0 -- Grey andesite schist becoming amygdaloidal (or porphyritic) Characteristic
 205.0 - 210.4 -- Coarse grained younger intrusive diorite
 210.4 - 211.5 -- Green andesite schist
 211.5 - 214.0 -- Siliceous banded iron formation with some vein quartz
 214.0 - 216.1 -- Hard grey andesite schist. Occasional str.
 254.1 - 256.1 -- Silicified feldspar porphyry with a little vein quartz
 256.1 - 277.9 -- Grey-green andesite schist
 277.9 -- End of Hole.

DIAMOND DRILL LOG
MONTGOMERY RED LAKE GOLD MINING LTD.

SHOULDER SAMPLES

160	*	170	--	0.01	0.35
170	-	180	--	0.08	2.60
180	-	190	--	0.01	0.35
190	-	200	--	Tr	Tr
200	-	210	--	Tr	Tr
210	-	220	--	0.01	0.35

220	-	230		0.01	0.35
230	-	240		Tr	Tr
240	-	250		Tr	Tr
250	-	260		Nil	Nil
260	-	270		Nil	Nil
270	-	278		0.01	0.35

January, 1945

SUNNYSIDE DRILL LOG
POPKINLEY REEF AREA

DDH No 117

Boarding

Location

Drilled by
Logged byInjoed
W.P. Corking

Dip -60°

Sample No	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY %/TON	VALUE \$/TON
2001	Grey andesite schist with carb threads. A little pyrite, pyrrhotite, sphalerite	1.4 - 3.6	1.2	Tr	Tr
2002	Dark grey andes schist, a little carb. Some py, pyrrhotite, and a little finely dissemin arseno.	3.6 - 5.2	1.6	Tr	Tr
2003	Black andesite schist. 2% qtz-carb; 3-5% arseno uniformly disseminated.	5.2 - 7.1	1.9	Tr	Tr
2004	Irregular qtz-carb; 5% arsenopyrite	7.1 - 7.7	0.6	0.01	0.70
2005	Black andes schist, a l carb; 1-2% arsenopyrite	7.7 - 8.5	0.8	Dr	Tr
2006	Dark grey vein quartz; 10% pyrrh, 5% py, 5% total galena, sphalerite, chalcoppyrite, arsenopyrite	8.5 - 10.1	1.6	0.20	\$1.00
2007	Black andesite schist; a l carb, 1% arseno	10.1 - 11.3	1.2	Tr	Tr
2008	Black andes schist. A little pyrite, pyrrhotite	11.3 - 13.7	2.4	Tr	Tr
2009	Grey andesite schist, carb str, A l py, pyrrh	13.7 - 16.5	2.8	Tr	Tr
2010	Silicification; 2% arseno, 2% pyrrh, 2% py	16.5 - 17.2	0.7	Tr	Tr
2011	Black andes schist, A l py, pyrrh	17.2 - 18.0	0.8	Tr	Tr
2012	Black andes sch; 3" silicification; py, pyrrh, As	18.0 - 18.8	0.8	Tr	Tr
2013	Grey-black banded andes sch; 10% qtz-carb str with a little pyrite, pyrrhotite	18.8 - 20.8	2.0	Tr	Tr
2014	Grey andes schist; 2" irregular carb. VLM	20.8 - 22.7	1.9	Tr	Tr
2015	Opaque white quartz with feldspar; trace pyrite	22.7 - 24.2	1.5	Tr	Tr
2016	Black andesite schist; a few qtz-carb str. VLM	24.2 - 29.8	5.6	Tr	Tr
2017	6-8" impure siliceous sediment; 12" quartz with chlorite, feldspar. FVM pyrite, pyrrhotite	29.8 - 33.2	3.4	0.73	25.55
2018	Black andesite schist; 2" carb. VLM	33.2 - 34.1	0.9	Tr	Tr
2019	Brown andes sch; a l qtz-carb; traces py, chalco	34.1 - 36.0	1.9	Tr	Tr
2020	Two narrow bands tuffaceous sed. FVM py, pyrrh	36.0 - 42.2	6.2	Tr	Tr
2021	Siliceous sed; 2" quartz. FVM py, pyrrh, chalco	42.2 - 51.7	9.5	0.01	0.35
2022	Brown andes schist; some qtz veinlets. VLM	51.7 - 53.5	1.8	Tr	Tr

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2023	Gneissoid andesite schist. Some veinlets; pyrrh	58.0 - 61.7	3.7	Tr	Tr
2024	Do. Traces of chalco in a slip plane	61.7 - 64.9	3.2	Tr	Tr
2025	Siliceous iron formation. VFM py, pyrrh	64.9 - 65.6	0.6	0.03	1.05
2026	Do. 2" vein qtz; pyrrh, some chalco. Visible gold in the quartz & in two slip planes. Also some of the unidentified amber transparent mineral	65.5 - 66.3	0.8	0.92	25.20
2027	Siliceous IR. VFM py, pyrrh, chalco. 10% vein qtz	66.3 - 67.1	0.8	0.09	3.15
2028	Sil. IR. VFM pyrrh, py, chalco. Some vein qtz	83.7 - 85.0	1.3	0.03	1.05
2029	Do.	85.0 - 86.7	1.7	Tr	Tr
2030	Do.	88.6 - 91.2	1.6	Tr	Tr
2031	A little irregular quartz in massive gm schist	148.3 - 149.4	1.1	Tr	Tr
2032	Do. A little py, pyrrh, chalcopyrite	149.9 - 151.1	1.2	Tr	Tr
2033	Quartz-carb vein. Some chlorite. VFM	182.9 - 183.4	0.6	Tr	Tr
2034	80% qtz str. Some chlorite. Irregular reworked texture. Traces arseno, pyrite, sphalerite	214.2 - 216.1	1.9	Tr	Tr
2035	Brown schist, some str. A few specks arseno.	206.0 - 208.6	2.6	0.01	0.35
2036	Do. No arsenopyrite	208.6 - 211.0	2.4	Tr	Tr
2037	Brown schist. A few str with py, pyrrh, arseno	216.1 - 217.5	1.4	Tr	Tr
2038	80% quartz str; 1% py, 1-2% arseno, uniformly and finely disseminated	217.5 - 219.1	1.6	0.07	2.45
2039	Brown andes schist; a few str; 1% arseno needles	219.1 - 222.3	4.2	0.01	0.35
2040	80% quartz vein matter; Bi, felds, traces arseno	223.3 - 225.4	2.1	Tr	Tr
2041	Brown altered andes sch. A little py, pyrrh, As	225.4 - 226.5	1.1	0.01	0.35
2042	4" quartz with str; a l py, pyrrh, arsenopyrite	226.6 - 227.9	1.4	0.10	3.50
2043	Brown andes schist. 5% str. A little py, pyrrh, arsenopyrite. Locally siliceous	227.9 - 232.3	4.4		
2044	Brown andes schist. Slightly siliceous. A little pyrite, pyrrhotite; traces arsenopyrite	245.9 - 247.3	1.4	Tr	Tr
2045	(a) 6" silicification, a little coarse arseno & 60% very fine grey-white metallic, probably arsenopyrite, also py, pyrrh, sphalerite, (b) brecciated qtz-carb, nodular. VFM py, pyrrh &c	247.3 - 249.7	2.4	0.12	4.20

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2046	Brown andes schist. Very many Carb strcs, and carb enclaves. 10% py, traces arseno, sphalerite	249.7 - 252.9	3.2	Tr	Tr
2047	Silicification with quartz & carb vein matter, 20% mineralized with py, pyrth, arseno, sphalerite, galena; transparent amber mineral and possible a trace of visible gold	252.9 - 254.5	1.7	0.08	2.80
2048	Brown andes schist; 10% carb strcs; 5% py, 1% As	254.5 - 256.9	2.3	0.06	1.76
2049	Do; but 40% fine pyrite and poss 20% very fine metallic, probably arsenopyrite	256.9 - 258.4	1.5	0.06	2.10
2050	Do, with some coarse arsenopyrite as well.	258.4 - 259.2	0.8	0.06	1.76
2051	Brown andes sch; a few qtz & carb veinlets, few pyrite, a little arsenopyrite	259.2 - 261.7	2.5	0.01	0.36
2052	Mostly silicification and carbonatization; 20% brown schist, 10% py, 5% arseno, 1% sphalerite and locally much very fine mineral (Arseno?)	261.7 - 263.9	2.2	0.01	0.36
2053	6" quartz-carb with other strcs in brown schist, 2% arseno & a little of the fine massive arseno.	263.9 - 266.1	2.2	Tr	Tr
2054	Brown andes schist. 15-20 % quartz & carb strcs 6% py, with 1-2% arseno. A little sphalerite	266.1 - 269.8	2.2	0.04	1.40
2055	Brown andes schist with a few quartz-carb strcs 10% pyrite, with some arseno, sphal, galena	269.8 - 269.5	1.2	0.66	22.76
2056	Brown andes schist; 1/2" quartz-carb strcs. A 1 pyrite, and the transparent amber mineral	269.5 - 272.3	2.9	Tr	Tr
2057	Loose brecciated gouge zone; A 1 py, As	272.3 - 274.4	2.1	0.01	0.36
2058	Brown schist; 2% strcs; a 1 py, arseno, sphaler.	274.4 - 278.5	4.1	Tr	Tr
2059	Do.	278.5 - 283.0	4.5	Tr	Tr
2060	1/2" quartz in diorite. A little coarse py, arseno	294.9 - 295.5	0.6	Tr	Tr
2061	Concentration over 2' of quartz blebs with heavy pyrth, py, arseno, sphal, galena, chalcopryrite	298.0 - 298.6	0.6	0.02	0.70
2062	70% quartz-carb strcs; a little py, pyrth	315.6 - 316.6	1.0	0.01	0.36
2063	Vary porphyry. 10% py, 5% sphal in arseno (12% gd)	320.6 - 326.2	5.7	Tr	Tr
2064	Do	329.2 - 331.3	2.1	Tr	Tr
2065	5' milky quartz 40% to core. A little pyrite, sphalerite, galena.	331.3 - 331.9	0.6	Tr	Tr
2066	Porphyry as above	331.9 - 336.6	3.7	Tr	Tr

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY GZ/TON	VALUE \$/TON
2067	Do.	335.6 - 338.8	3.2	Tr	Tr
2068	Brown andesite schist; 15% qtz strcs. A little pyrite, traces arseno & galena	353.6 - 354.3	0.7	0.09	3.15
2069	Brown andes schist. A little pyrite	354.3 - 355.6	1.3	Tr	Tr
2070	6" heavy concentration of pyrth, pyrite, sphalerite, arsenopyrite, galena	355.6 - 356.2	0.6	0.01	0.55
2071	Brown andes schist. A few strcs; py, arseno	360.6 - 363.0	2.4	Tr	Tr
2072	Do. Also some gneissoid andes sch. lym, arseno	363.0 - 367.0	4.0	Tr	Tr
2073	Silicification, 20% py, 10% pyrth, some chalc	367.0 - 367.5	0.5	0.01	0.35

GEOLOGY

- 0.0 - 1.4 ---Casing in rock
 1.4 - 31.3 -- Grey black amygdaloidal andesite schist, numerous carbonate veinlets; including two well mineralized quartz intersections. NOTE: The general character of this section strongly indicates drilling offshore.
 31.3 - 32.8 - Finely bedded sediment with 16" quartz
 32.8 - 40.6 -- Andesite schist
 40.6 - 41.3 -- Finely bedded, impure, siliceous sediment of the iron formation type.
 41.3 - 41.9 -- Andesite schist
 41.9 - 42.2 -- Sediment similar to the above band.
 42.2 - 50.9 -- Andesite schist
 45.0 - 50.0 -- Weakly gneissoid--siliceous and grey
 50.9 - 51.7 -- Grey sediment as above. 4" vein quartz
 51.7 - 53.6 -- Brown andesite schist
 53.6 - 55.1 -- Grey, weakly gneissoid andesite schist
 55.1 - 67.1 -- Lean, siliceous banded iron formation with 10-20% vein quartz including 1" greenish translucent quartz with visible gold and a couple of slip planes also with gold as a plating. There is apparently some folding in this vicinity
 67.1 - 67.7 -- Younger intrusive diorite.
 67.7 - 73.3 -- Coarse dioritic andesite
 73.3 - 75.0 -- Younger intrusive diorite
 75.0 - 76.5 -- Gneissoid andesite schist
 76.5 - 81.2 -- Black andesite schist
 81.2 - 85.3 -- Younger intrusive diorite
 85.3 - 88.1 -- Siliceous iron formation well mineralized with pyrite, pyrrhotite, chalcopyrite, some vein quartz including one veinlet with heavily felted arsenopyrite
 88.1 - 90.2 -- Younger intrusive diorite
 90.2 - 91.5 -- Siliceous iron formation as above.
 91.5 - 100.5 -- Grey-black andesite schist. Locally siliceous
 100.5 - 118.3 -- Somewhat gneissoid andesite schist
 118.3 - 128.0 -- Fairly normal green andesite
 128.0 - 183.0 -- Weakly gneissoid andesite schist
 183.0 - 208.0 -- More normal massive andesite with brown alteration, many quartz and quartz-carbonate stringers & veins, Mostly pyrite and arsenopyrite mineralization
 272.3 - 274.4 -- Soft brecciated carbonate and gouge zone. Possibly a fault

GEOLOGY CONTINUED

- 285.0 - 288.0 -- More massive, slightly gneissoid, blue-grey andesite schist
- 288.0 - 295.0 -- Fresh younger diorite
- 295.0 - 320.5 -- Uniform, massive dioritic andesite. Medium grained.
- 320.5 - 326.1 -- Grey porphyry. A little sericitisation. No phenocrysts, or if present they have been masked by alteration and schistification. Some tension cracks with quartz stringers. A little pyrite, pyrrhotite, sphalerite and a pink non-metallic which may be a feldspar.
- 326.1 - 329.4 -- Brown andesite schist with the pink non-metallic at the contacts.
- 329.4 - 339.0 -- Porphyry as described above. Somewhat waxy.
- 339.0 - 353.7 -- Grey gneissoid andesite schist
- 353.7 - 366.3 -- Brown altered andesite schist. With some vein material in stringers.
- 366.3 - 370.0 -- Intensely siliceous andesite schist. Gneissoid. With many amygdules.
- 370.0 -- End of Hole.

January 1945

DIAMOND DRILL LOG
MCFINLEY RED LAKE

DDH No M16

Bearing
Nip -25°

Location

Drilled by
logged byAnjoed
W.P. Corking.

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4001	Carbonatized andesite schist; some qtz strs, some pyrite, pyrrhotite. Rusty	4.5 - 7.6	3.1	Tr	Tr
4002	Do.	7.6 - 8.9	1.3	Tr	Tr
4003	Quartz. 2% py, 2% pyrrh, traces sphalerite, & chalcopryite. Interesting sample	8.9 - 9.7	0.8	0.02	0.70
4004	Quartz; 30-40% mineralization. Heavy galena, sphalerite, pyrrhotite, pyrite. Some chalco.	9.7 - 10.4	0.7	0.02	0.70
4005	Quartz; 2" inclusion. Heavily min'd as above	10.4 - 11.6	0.6	0.02	0.70
4006	Grey andesite schist. A few qtz strs. FWM fine pyrite, pyrrh, & fine granular arsenopyrite	11.0 - 13.2	2.2	Tr	Tr
4007	Do. 50% cherty quartz. FWM py, pyrrh, coarse arsenopyrite	13.2 - 14.2	1.0	Tr	Tr
4008	Andesite schist. A little fine pyrite, pyrrh	14.2 - 16.0	1.8	Tr	Tr
4009	Andesite schist; 10% cherty quartz with a little pyrite, pyrrhotite	16.0 - 18.3	2.3	Tr	Tr
4010	Andesite schist. A little cherty qtz with some pyrite, pyrrh. A little arsenopyrite	18.3 - 20.0	1.7	Tr	Tr
4011	Siliceous sediment. 15% fine py, pyrrh. A little chalco and fair disseminated arsenopyrite	27.5 - 28.7	1.2	0.02	0.70
4012	3" vein quartz in siliceous sediment as above. 15% pyrite, pyrrh. Some garnet. A little fine disseminated arsenopyrite	33.8 - 35.5	1.7	Tr	Tr
4013	1/2" qtz. FWM py, pyrrh, sphal, chalco.	38.2 - 38.7	0.5	Tr	Tr
4014	Siliceous sediment, mineralized as above. Also 6" vein quartz with chlorite	44.6 - 46.0	1.4	Tr	Tr
4015	Andesite schist; numerous qtz veinlets. FWM pyrite, pyrrhotite	46.0 - 48.1	2.1	Tr	Tr
4016	Siliceous sediment. FWM py, pyrrh; arseno.	56.8 - 59.2	2.4	0.02	0.70
4017	2" quartz with a little py, pyrrh	66.2 - 66.8	0.6	Tr	Tr
4018	Intrusive diorite. A little qtz. VLM	69.0 - 70.4	1.4	Tr	Tr
4019	Andesite schist. A few qtz strs. FWM py, pyrrh	70.4 - 72.1	1.7	0.02	0.70
4020	Siliceous sediment. Cherty quartz and heavy arsenopyrite (2"). FWM py, pyrrh. Cobalt?	72.1 - 72.9	0.8	0.02	0.70
4021	Cherty sediment. FWM py, pyrrh, Traces arseno.	75.6 - 76.3	0.7	Tr	Tr
4022	Lean cherty sediment. FWM py, pyrrh	77.9 - 79.0	1.1	Tr	Tr
4023					

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4023	Do. Some vein quartz and F&M py, pyrhh	79.0 - 80.6	1.6	0.02	0.70
4024	Cherty sediment with some carbonate. 10% vein quartz. V&M py, pyrhh, arsenopyrite	107.6 - 108.5	1.9	0.02	0.70
4025	Do. Less vein quartz. 8% py. 5% pyrhh, 2% arsenopyrite, some of which very coarse.	109.5 - 110.0	1.5	Tr	Tr
4026	Do. 5% vein quartz, 10% pyrhh, 5% py, 1% arsenopyrite. Much very fine mineral, poss arseno.	111.0 - 112.7	1.7	Tr	Tr
4027	Do. Somewhat brocciated & contorted. 15% py, pyrhh, 15% vein quartz. Much fine mineral (poss arsenopyrite. A little chalc & arseno in last.	112.7 - 114.9	2.2	0.02	0.70
4028	Gneissoid andesite schist. Siliceous. V&M	119.8 - 122.2	2.4	Tr	Tr
4029	Do. 1/2" quartz. V&M	122.2 - 124.5	2.3	Tr	Tr
4030	Do. A few narrow veinlets.	124.5 - 127.1	2.6	Tr	Tr
4031	Do. Not so siliceous & no quartz	127.1 - 129.5	2.4	Tr	Tr
4032	Siliceous gneissoid andesite schist. A few str	129.5 - 132.6	3.1	Tr	Tr
4033	Do. 1/2" quartz stringer. V&M	132.6 - 135.0	2.4	Tr	Tr
4034	Do. Very siliceous. No qtz. V&M	135.0 - 137.5	2.5	Tr	Tr
4035	Do.	137.5 - 141.0	3.5	Tr	Tr
4036	Gneissoid andesite schist. Not so siliceous.	141.0 - 144.0	3.0	Tr	Tr
4037	Do. 15%-20% quartz-carbonate str. V&M	144.0 - 145.6	1.6	0.16	5.60
4038	Do.	145.6 - 147.1	1.5	Tr	Tr
4039	Siliceous gn. andesite schist. V&M. Some str	147.1 - 149.7	2.6	Tr	Tr
4040	Do.	149.7 - 152.2	2.5	Tr	Tr
4041	Do.	152.2 - 154.3	2.1	Tr	Tr
4042	Do. Fair quartz-carbonate vein matter-irregular, and a little disseminated arsenopyrite	154.3 - 155.5	1.2	Tr	Tr
4043	Very siliceous gn. andes schist; veinlets. V&M	155.5 - 158.5	3.0	Tr	Tr
4044	Do. Considerable cherty quartz & some carbonate V&M but a very small amount arsenopyrite	158.5 - 160.7	2.1	Tr	Tr
4046	Gn. andes schist. A little qtz-carb. V&M	164.3 - 167.4	3.1	0.01	0.35
4047	Do.	167.4 - 169.3	1.9	Tr	Tr

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY %/TON	VALUE \$/TON
4048	Black andesite schist; 2", 2" qtz & other str	169.8 - 171.2	1.9	Tr	Tr
4049	Black andesite schist, somewhat siliceous. VLM	171.2 - 174.8	2.4	Tr	Tr
4050	Brown andesite schist. Some str. A l py, pyrrh	174.8 - 178.0	3.2	0.01	0.35
4051	Grey gn. amygd. andes schist. 6% str; pyrite	178.0 - 179.9	1.9	Tr	Tr
4052	Do.	179.9 - 182.9	3.0	0.01	0.25
4053	Do.	182.9 - 184.1	1.2	Tr	Tr
4054	Do.	184.1 - 187.8	3.2	Tr	Tr
4055	X8X Do.	187.8 - 189.7	2.4	Tr	Tr
4056	Do. Not so many str.	189.7 - 192.6	2.9	Tr	Tr
4057	Do.	192.6 - 195.0	2.4	Tr	Tr
4058	Do.	195.0 - 196.9	1.9	0.01	0.35
4059	Do.	196.9 - 200.0	3.1	Tr	Tr
4060	3" quartz with str; a l py, possibly arseno.	214.9 - 215.6	0.7	Tr	Tr
4061	Mostly vein carbonate, with an unidentified transparent amber mineral. A l py, As, ZnS	225.7 - 226.7	1.0	0.02	0.70
4062	Brown andes schist. Some cherty silicif'n	226.7 - 228.5	1.8	Tr	Tr
4063	5" vein quartz. A little py, pyrrh, sphalerite	228.5 - 229.1	0.6	Tr	Tr
4064	3" quartz. Some py, pyrrh, chalcopyrite	258.0 - 258.5	0.5	0.02	0.70
4065	Brown andes schist; qtz str, py, pyrrh	258.5 - 261.0	3.5	Tr	Tr
4066	Do.	261.0 - 264.0	3.0	0.02	0.70
4066	Do. Including 3" quartz, a little arsenopyrite	264.0 - 265.2	1.2	0.05	1.05
4068	A little qtz with py, pyrrh, As, ZnS, PbS	285.7 - 286.2	0.5	Tr	Tr
4069	Siliceous Gn andes schist with $\frac{1}{2}$ " quartz with one speck visible gold	296.0 - 296.7	0.6	0.04	1.40
4070	Brecciated Gn andesite schist; a little qtz.	343.9 - 346.9	3.0	Tr	Tr
4071	Brown andes schist. A few str; py, pyrrh	402.9 - 404.1	1.2	0.01	0.35
4072	Waxy porphyry, 3" quartz with py, sphalerite	404.1 - 408.2	4.1	Tr	Tr
4073	Brown andes schist. A few str; pyrite	440.9 - 443.1	2.2	Tr	Tr

SAM. NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4074	5" quartz with some later carbonate str. Traces pyrite, sphalerite, galena	457.7 - 458.5	0.8	Tr	Tr
4075	Brown amyg. andes schist. Numerous qtz str; py	461.6 - 464.0	2.4	Nil	Nil
4076	Do	464.0 - 467.5	3.5	Nil	Nil
4077	Brown andes schist, somewhat siliceous; a l py	467.5 - 470.8	2.8	Nil	Nil
4078	Do. A little quartz & carbonate vein matter.	470.8 - 472.6	2.8	Nil	Nil
4079	6" white quartz with other str. A l py, arseno.	472.6 - 474.7	2.1	Tr	Tr
4080	Siliceous gneissoid andes schist. 2", 1", 1" quartz; traces py, chalco, arsenopyrite			Nil	Nil
4081	10" quartz-carbonate str. A little pyrite	500.8 - 502.6	2.3	Tr	Tr
4082	30" quartz with a little pyrite	510.0 - 510.9	0.9	Tr	Tr
4083	Highly siliceous gneissoid andes schist; 1" qtz	519.7 - 521.8	1.8	Nil	Nil
4084	2" quartz with a little pyrite, pyrrhotite	521.8 - 521.8	0.6	Tr	Tr
4085	Siliceous gneissoid andesite schist. A little py	521.8 - 523.8	1.5	Nil	Nil
4086	Gneissoid andes schist. A few qtz str to 1" with fairly heavy pyrite, sphalerite, and fine arseno pyrite in the walls.	545.1 - 546.8	1.7	Nil	Nil
4087	Gneissoid andesite schist, siliceous. Some pyrite	546.8 - 550.8	3.5	Nil	Nil
4088	Breccia zone with chalcite and pyrite filling in the fractures. Possibly a fault.	550.8 - 551.2	0.9	Tr	Tr
4089	Brown andes schist. A few qtz str. FWM pyrrh, sphalerite, pyrite, arsenopyrite	551.2 - 552.2	1.0	Nil	Nil
4090	Brown andes schist; a few qtz veinlets; a little pyrite, pyrrhotite, arsenopyrite, chalcopyrite	552.2 - 555.6	3.4	Tr	Tr
4091	Irregular vein quartz-carbonate, with garnet? FWM pyrite, pyrrh, chalco, sphalerite, galena	555.6 - 557.2	1.6	0.02	0.70
4092	Brown andesite schist. A few qtz veinlets.	557.2 - 560.4	3.2	Nil	Nil
4093	Brown andesite schist. A few str up to 1". FWM pyrite, pyrrhotite. Locally heavy arsenopyrite	560.4 - 562.8	1.4	0.04	1.40
4094	2" quartz-chlorite. A little pyrite	612.9 - 613.8	0.9	0.01	0.35
4095	Brown andes schist. A little qtz; py, pyrrh	637.6 - 639.1	1.5	Nil	Nil

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4096	Nodular quartz-carbonate. Some chlorite VLM	639.1 - 639.9	0.8	Tr	Tr
4097	slightly siliceous gneissoid andes schist with brown alteration; stringers to 1/8". Some py, pyrhh	639.9 - 643.8	3.9	Nil	Nil
4098	Do. 1/2" quartz with pyrite	643.8 - 644.5	0.5	Tr	Tr
4099	Gneissoid brown andes schist. Occasional veilets with a little pyrite, pyrrhotite	644.3 - 649.2	4.9	Tr	Tr
4100	2" quartz with 50% massive arsenopyrite. A little pyrite	649.2 - 649.7	0.5	0.13	4.55
2074	Brown andes schist. A few str; a l py, arseno	649.7 - 652.5	2.8	Nil	Nil
2075	50% porphyry, 50% brown andes schist with a few narrow qtz str; 2% pyrite, a l sphal, arseno, cha	652.5 - 655.2	2.7	Nil	Nil
2076	Porphyry. No stringers. Mineralized as above	655.2 - 657.4	2.2	Tr	Tr
2077	6" diorite; remainder porphyry. FVM pyrite, sphalerite, A couple of str to 1/2" with heavy arsenopyrite, chalcopyrite	660.1 - 662.7	2.6	0.01	0.35
2078	Porphyry; FVM pyrite, pyrrhotite, sphalerite, chalcopyrite, arsenopyrite, 1/2" qtz	662.7 - 664.2	1.5	Tr	Tr
2079	Brown andes schist; 2" quartz & others. FVM	664.2 - 665.8	1.6	Tr	Tr
2080	Brown andes schist. FVM locally with pyrite, pyrrhotite, chalcopyrite	665.8 - 667.0	1.2	Tr	Tr

SLUDGE ASSAYS

0 - 10	Tr	Tr	190 - 200	Tr	Tr
10 - 20	Tr	Tr	200 - 210	Tr	Tr
20 - 30	tr	Tr	210 - 220	Tr	Tr
30 - 40	Tr	Tr	220 - 230	Tr	Tr
40 - 50	Tr	Tr	230 - 240	Tr	Tr
50 - 60	Tr	Tr	240 - 250	0.02	0.70
60 - 70	Tr	Tr	250 - 260	Tr	Tr
70 - 80	Tr	Tr	260 - 270	Tr	Tr
80 - 90	0.02	0.70	270 - 280	Tr	Tr
90 - 100	Tr	Tr	280 - 290	0.01	0.35
100 - 110	Tr	Tr	290 - 300	0.01	0.35
110 - 120	Tr	Tr	300 - 310	0.01	0.55
120 - 130	Tr	Tr	310 - 320	0.01	0.35
130 - 140	Tr	Tr	320 - 330	0.05	1.75
140 - 150	Tr	Tr	330 - 340	0.04	1.40
150 - 160	0.02	0.70	340 - 350	0.02	0.70
160 - 170	Tr	Tr	350 - 360	Tr	Tr
170 - 180	Tr	Tr	360 - 370	0.01	0.35
180 - 190	Tr	Tr			

SLUDGE ASSAYS

370 - 380	Tr	Tr	580 - 590	N11	N11
380 - 390	0.01	0.35	590 - 600	N11	N11
390 - 400	0.01	0.35	600 - 610	N11	N11
400 - 410	Tr	Tr	610 - 620	N11	N11
410 - 420	Tr	Tr	620 - 630	N11	N11
420 - 430	Tr	Tr	630 - 640	N11	N11
430 - 440	0.01	0.35	640 - 650	N11	N11
440 - 450	0.01	0.35	650 - 660	N11	N11
560 - 570	N11	N11	660 - 670	N11	N11
570 - 580	N11	N11			

GEOLOGY

- 0.0 - 3.0 -- Casing stick-up
- 3.0 - 4.5 -- Casing core
- 4.5 - 27.7 -- Weakly carbonatized grey-green andesite schist including mineralized vein quartz at 9-11. Gneissoid at 22-27
- 27.7 - 28.6 -- Well mineralized siliceous sediment
- 28.6 - 33.8 -- Dark grey amygdaloidal andesite schist
- 33.8 - 35.0 -- FPM siliceous sediment with some vein quartz. Some coarse garnet.
- 35.0 - 44.2 -- Grey andesite schist. Slightly gneissoid.
- 44.2 - 45.9 -- Probably siliceous sediment as above. FPM and with some garnets. About 10% vein quartz
- 45.9 - 57.3 -- Brown amygdaloidal andesite schist
- 57.3 - 58.7 -- Siliceous sediment probably. FPM pyrite, pyrrhotite with possible arseno.
- 58.7 - 72.6 -- Grey-black andesite schist with amygdules
- 69.0 - 70.4 -- Younger intrusive diorite
- 72.6 - 73.8 -- Probably siliceous sediment. Some vein quartz with heavy arsenopyrite and other sulphides.
- 73.8 - 75.5 -- Younger intrusive diorite
- 75.5 - 76.7 -- Siliceous sediment. A little pyrite, pyrrhotite, arsenopyrite
- 76.7 - 77.9 -- Younger intrusive diorite
- 77.9 - 80.8 -- Siliceous sediment. FPM as above.
- 80.8 - 87.0 -- Brown andesite schist
- 87.0 - 96.0 -- Gneissoid andesite schist
- 96.0 - 107.7 -- Banded brown-green andesite schist, grading at 105 to gneissoid andesite schist
- 107.7 - 115.0 -- Lean iron formation; FPM pyrite, pyrrhotite, fine arsenopyrite with some vein quartz. Locally weakly brecciated and finely crumpled.
- 115.0 - 119.5 -- Brown andesite schist
- 119.5 - 169.0 -- Sharp gradation into gneissoid andesite schist
- 169.0 - 223.0 -- Gradation into grey andesite schist with many amygdules and a high degree of silicification
- 224.0 - 230.0 -- Brown andesite schist with a narrow carbonate zone.
- 230.0 - 257.5 -- Grey gneissoid andesite schist
- 257.5 - 276.0 -- Brown andesite schist, locally silicified to sub-gneissoid schist with amygdules
- 276.0 - 278.8 -- Irregular gneissoid andesite schist. Highly siliceous
- 278.8 - 282.5 -- Younger intrusive diorite.

GEOLOGY

- 382.3 - 398.5 -- Weakly gneissoid green andesite schist
- 398.5 - 404.4 -- Brown altered andesite schist
- 404.4 - 407.7 -- Waxy porphyry with typical pink non-metallic
- 407.7 - 422.4 -- Massive green andesite. Uniform and fine grained.
- 422.2 - 424.4 -- Porphyry as above.
- 424.4 - 427.1 -- Brown andesite schist.
- 427.1 - 440.0 -- Porphyry as above.
- 440.0 - 481.0 -- brown andesite schist with a few stringers and many amygdulae. Locally some short gneissoid sections.
- 481.0 - 485.0 -- Gneissoid andesite schist with some amygdulae.
- 485.0 - 488.7 -- Younger intrusive diorite.
- 488.7 - 491.0 -- Weakly siliceous andesite schist.
- 491.0 - 535.2 -- Gray gneissoid andesite schist with some amygdulae locally. Some quartz stringers.
- 535.2 - 542.1 -- Younger intrusive diorite.
- 542.1 - 549.0 -- Gray gneissoid andesite schist.
- 549.0 - 551.2 -- Breccia zone with carbonate and pyrite fracture filling. Possibly a fault
- 551.2 - 561.5 -- Brown andesite schist with a few stringers, and local mineralization. Including aX carbonate vein.
- 561.5 - 564.0 -- Younger intrusive diorite with a wuggy slip at 10° to the core.
- 564.0 - 567.0 -- Brown andesite schist
- 567.0 - 607.0 -- Fairly coarse dioritic greenstone, with prominent ferromagnesian constituents. Possibly a Keewatin sill as seen opposite this hole on the other side of the island. quite uniform in texture.
- 607.0 - 610.5 -- Brown andesite schist.
- 610.5 - 612.7 -- Younger intrusive diorite.
- 612.7 - 637.5 -- Fairly uniform greenstone, somewhat gneissoid in character. Probably a flow.
- 637.5 - 654.5 -- Brown amygdaloidal andesite schist. A little local silicification with mineralized quartz and carbonate stringers.
- 654.5 - 657.4 -- Porphyry as described above.
- 657.4 - 660.6 -- Younger intrusive diorite.
- 660.6 - 664.1 -- Porphyry as described above.
- 664.1 - 672.5 -- Fairly normal andesite schist with a little mineralization near the porphyry
- 672.5 - -- End of hole.

DIP TESTS // HF Acid

The hole was collared at 25°

	Measured dip	Correction	Actual dip	
	At collar			
	31°	-6°	25°	
	At 200'	34°	-6°	28°
	At 400'	32½°	-6°	26½°
	At 600'	32°	-6°	26°

February, 1945

DIAMOND DRILL LOG
KOPINLEY RED LAKE

DDH No M 18

Bearing

Location

Drilled by ANJOED DD Co
Logged by W.P. Corking.

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2082	Andesite schist; 1" quartz. A little arsenopyrite	8.9 - 9.6	0.7	Tr	Tr
2083	Andesite schist. A little pyrite, pyrrhotite	9.6 - 11.7	2.1	Nil	Nil
2084	Vein Quartz. Dark grey with 50% mineralisation; pyrite, pyrrhotite, galena, sphalerite	11.7 - 13.5	1.8	0.51	10.65
2085	Andesite schist; 4" quartz; pyrite, pyrrhotite	13.5 - 14.6	1.1	0.04	1.40
2086	Andesite schist; 2", 2" qtz. A l. pyrite, pyrrhotite	16.5 - 16.0	1.6	0.01	0.35
2087	Andesite schist. A little quartz. Some py, arseno	19.2 - 20.2	1.0	0.01	0.35
2088	Siliceous sediment. A little vein quartz. FGM pyrite pyrrhotite, and a little arsenopyrite	24.7 - 26.2	1.5	0.01	0.35
2089	Siliceous sediment. A little quartz. FGM py, pyrrh.	42.0 - 43.6	1.6	Tr	Tr
2090	6" Vein Quartz with feldspar, chlorite. VLM	46.5 - 47.3	0.8	Tr	Tr
2091	Siliceous iron formation. A little vein quartz with some pyrite, pyrrhotite	51.6 - 52.7	1.1	Tr	Tr
2092	Siliceous sediment; 10% vein quartz. FGM pyrite, pyrrhotite, locally chalcopyrite, arsenopyrite	64.2 - 66.6	2.4	0.02	0.70
2093	3" quartz. A little pyrite, pyrrhotite	78.1 - 78.9	0.8	Tr	Tr
2094	Brown andesite schist. A little pyrite, pyrrhotite	78.9 - 81.0	2.1	Nil	Nil
2095	Siliceous sediment. FGM pyrite, pyrrh. A l qtz	81.0 - 82.0	2.0	Tr	Tr
2096	Siliceous sediment. A little quartz. FGM pyrite,	85.1 - 86.5	1.4	Tr	Tr
2097	Siliceous sediment. FGM py, pyrrh, a little sphalerite, chalcopyrite. Some quartz	86.5 - 88.5	2.0	Tr	Tr
2098	Irregular siliceous sediment. A l. py, pyrrh, chalco	92.0 - 93.8	1.8	Tr	Tr
2099	Siliceous gneissoid andesite schist. VLM	97.3 - 101.1	3.8	Nil	Nil
2100	Do.	101.1 - 105.7	4.6	Nil	Nil
4101	Grey-brown andesite schist. A few qtz-carb stre	113.4 - 117.6	4.2	Nil	Nil
4102	Siliceous sediment; a little py, pyrrh. <u>Next 1.6' ground</u>	120.1 - 121.1	1.0	0.01	0.35
4103	Siliceous sediment; 60% vein quartz over 6" with a little chalco, arseno. FGM py, pyrrh	122.7 - 124.2	1.5	2.03	71.65

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4104	Green banded andesite schist	124.2 - 125.7	1.5	N11	N11
4105	Brown banded andesite schist. Numerous threads. VLM	125.7 - 130.7	5.0	N11	N11
4106	Do. Becoming grey and gneissoid	130.7 - 136.0	5.3	N11	N11
4107	Gneissoid andesite schist. Not many stringers. VLM	136.0 - 139.3	3.3	N11	N11
4108	Do. Some quartz and carbonate stringers.	139.3 - 143.9	4.6	N11	N11
4109	Do. VLM	143.9 - 149.0	5.1	N11	N11
4110	Do. Do.	149.0 - 150.4	1.4	N11	N11
4111	Grey gneissoid andesite schist with stringers. A little pyrite, arsenopyrite	167.8 - 170.0	2.2	0.01	0.35
4112	Gneissoid andesite schist, some str. A l. arseno.	174.0 - 178.0	4.0	N11	N11
4113	5" Vein quartz. Heavy py, pyrhh. Some garnet (?)	237.4 - 238.2	0.8	Tr	Tr
4114	1" quartz with pyrite, pyrhh, galena, chalcopyrite	254.3 - 254.6	0.3	Tr	Tr
4115	5", 5" quartz and carbonate with py, arsenopyrite	268.7 - 270.3	1.6	Tr	Tr
4116	Brown altered section in gneissoid andesite schist with a little pyrite, arseno. 1" mineralized qtz	277.9 - 280.3	2.4	Tr	Tr
4117	1" quartz. VLM arsenopyrite, sphalerite, galena	285.7 - 286.3	0.6	0.02	0.70
4118	A little mineralized quartz in brown schist	289.9 - 290.8	0.9	0.03	1.05
4119	3" quartz with other str. VLM py, arsenopyrite	305.7 - 306.7	1.0	Tr	Tr
4120	2" quartz with other str. VLM	329.2 - 330.2	1.0	N11	N11
4121	3", 2" Quartz-carb. VLM	341.5 - 343.1	1.6	N11	N11
4122	Andes schist. 30% Vein Carbonate; banded. VLM py, pyrhh arsenopyrite, chalco, sphalerite. Some of the arseno is very fine and massive-black.	349.1 - 350.3	1.2	0.01	0.35
4123	Brown andesite schist; 10% carb str. VLM py, pyrhh	350.3 - 353.1	2.8	Tr	Tr
4124	Grey-brown andes schist; 5% carb str; 10% pyrhh; py	353.1 - 354.3	1.2	0.01	0.35
4125	Brown andes schist; 1", 1" qtz; 4" carb. A little py, pyrrhotite, traces of chalcopyrite	354.3 - 356.6	1.3	0.02	0.70
4126	Brown andes schist; 10% qtz-carb str. 2" vlm py, As	356.6 - 357.0	1.4	0.04	1.40
4127	40% Carbonate, 40% mineralization including pyrite, minor pyrhh, traces chalcopyrite, sphalerite, galena, and fairly heavy very fine arsenopyrite	357.0 - 358.7	1.7	0.11	3.85

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4128	Highly carbonatized brown andes schist with 8% py, 10% arsenopyrite in very fine masses	358.7 - 361.3	2.6	0.05	1.75
4129	Grey andesite schist with many carbonate strcs; 5% pyrite and a little coarse arsenopyrite	362.3 - 364.9	2.6	0.06	2.10
4130	Do. Including 1" quartz	364.9 - 367.4	2.5	0.17	5.95
4131	Grey andesite schist. Fair qtz-carb strcs; 2% py, As	367.4 - 369.8	2.4	0.08	2.80
4132	40% irregular qtz-carb; 5% py, 10% very fine arseno	369.8 - 371.1	1.3	0.12	4.20
4133	Spotted schist; a few qtz veinlets. 2-5% pyrite	371.1 - 373.1	2.0	0.02	0.70
4134	Spotted schist; 30% qtz & a little Carb. FWM pyrite with traces of arsenopyrite, chalcopryite	373.1 - 374.2	1.1	0.07	2.45
4135	Spotted schist with a few veinlets with py & arseno	374.2 - 376.7	2.5	0.02	0.70
4136	Spotted schist. A few qtz threads. A little pyrite, pyrrhotite, in schist; a little arseno in the qtz	376.7 - 379.3	2.6	Tr	Tr
4137	Spotted schist; 15% qtz-carb strcs (vermiform) FWM pyrite and a little arsenopyrite	379.3 - 380.4	1.1	Tr	Tr
4138	Spotted schist; 5% qtz & carb veinlets. A little pyrite, pyrrhotite, traces arsenopyrite, chalcopryite	380.4 - 384.7	4.3	0.02	0.70
4139	Spotted schist with 5% qtz. FWM py. & 1. arsenopyrite	384.7 - 386.5	1.8	0.02	0.70
4140	Spotted schist. A few strcs with some pyrite	386.5 - 389.4	2.9	Tr	Tr
4141	Spotted schist; 3" qtz-carb. FWM py, 2% arseno	389.4 - 390.7	1.3	0.03	1.05
4142	Spotted schist; 2% qtz with a l py, arsenopyrite	390.7 - 394.5	3.8	0.04	1.40
4143	Spotted schist; 10% qtz veinlets; py, pyrrh, chalco	394.5 - 395.9	1.4	N11	N11
4144	Spotted schist; 2% strcs with py, arsenopyrite	409.4 - 413.5	4.1	Tr	Tr
4145	Porphyry; 2 or 3 1" qtz strcs. FWM py, a l sphalerite	421.4 - 427.8	6.4	N11	N11
4146	Spotted schist; 20% qtz-carb strcs. VIM	444.2 - 445.9	2.7	N11	N11
4147	Spotted schist. A few strcs. VIM	445.9 - 448.7	2.8	N11	N11
4148	Spotted schist; 20% strcs. A little pyrite	448.7 - 449.9	1.2	N11	N11
4149	Gray spotted schist. A few stringers. VIM	449.9 - 452.5	2.6	N11	N11
4150	Spotted schist; 20% stringers with pyrite	457.4 - 459.1	1.7	N11	N11
4151	Grey-brown andesite schist; 10% strcs. A l py, pyrrh	487.2 - 489.6	2.4	N11	N11

SAMPLE NO	DESCRIPTION	FOOTAGE	LENGTH	ASSAY	VALUE
4152	Brown andesite schist; a few carb str & a l. pyrite	500.8 - 502.0	1.7	Nil	Nil
4153	Brown andesite schist; 60% carb, 10% qtz, 1% py	502.0 - 504.2	2.2	0.02	0.70
4154	Brown andesite schist. 1% carb. A little py, garnet	504.2 - 507.7	3.5	Nil	Nil
4155	Brown andesite schist. 6" carb, 2" qtz; a little py	511.6 - 514.3	2.7	Tr	Tr
4156	80% Vein Carbonate; a little qtz. Some pyrite	514.8 - 516.6	1.8	0.01	0.35
4157	40% qtz, 40% carb, 5% py, 5% arsenopyrite; epidote	516.6 - 517.3	0.7	0.09	2.15
4158	60% carbonate, a little qtz, 2% py; traces arseno.	517.3 - 519.4	2.1	0.11	3.85
4159	Vein Carbonate, green stained. VLM	519.4 - 522.3	2.9	Tr	Tr
4160	Vein Carbonate as above	522.3 - 524.3	2.0	Tr	Tr
4161	Vein Carbonate as above	524.3 - 525.6	1.2	Tr	Tr
4162	Vein Carbonate with 10% quartz; a little py, arseno	525.5 - 527.4	1.9	0.01	0.35
4163	Brown andesite schist; 10% carb str. VLM	527.4 - 529.0	1.6	Nil	Nil
4164	Do.	529.0 - 531.0	2.0	Nil	Nil
4165	Do.	531.0 - 539.2	8.2	Nil	Nil
4166	13" Vein Carbonate with some silicification. 5% sphalerite, 5% pyrite, 2% galena.	539.2 - 540.6	1.4	Tr	Tr
4167	Brown andesite schist; 10% cherty irregular quartz; a little pyrite, pyrrhotite	542.8 - 549.6	6.8	0.04	1.40
4168	Brown andesite schist; 25% cherty quartz, blebby and irregular. VLM. 5% pyrrh, 5% py, 2% fine arsenopyrite nodules, 1% sphalerite, 1% chalcopyrite. Garnet	549.6 - 551.8	2.2	0.12	4.20
4169	Brown andesite schist. / little greenish qtz	551.8 - 554.3	2.5	Tr	Tr
4170	80% irregular grey-green quartz with some carbonate, a little pyrite; 5-8% very fine arsenopyrite	554.3 - 555.8	1.5	Tr	Tr
4171	Massive cream coloured Vein Carbonate (Marble) A few green veinlets and a few later quartz veinlets A trace of arsenopyrite	555.8 - 557.5	1.7	Tr	Tr
4172	Vein carbonate as above; 10% qtz. A little py, pyrrh	558.0 - 559.8	1.8	Tr	Tr
4173	Almost homogeneous vein carbonate	559.8 - 561.3	1.5	Tr	Tr
4174	Vein carbonate. More irregular, 10% vein qtz. Traces pyrite, arsenopyrite	561.3 - 562.8	1.5	0.08	2.60

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4175	Brown andes schist; 5% qtz & carb str. & little pyrite, pyrrhotite; traces arsenopyrite	562.8 - 564.9	2.1	0.01	0.35
4176	Brown andes schist; 5% quartz & carb str. & 1 py	564.9 - 568.7	1.8	Tr	Tr
4177	Brown andes schist. & little qtz & carb. V.M.	568.7 - 571.0	2.3	Tr	Tr
4178	Brown andes schist; 10% qtz carb. V.M.	571.0 - 573.4	2.4	Tr	Tr
4179	Brown andes schist; 30% carbonate. 10-15% coarse massive arsenopyrite, 1/2 garnet. & 1 qtz, pyrrh, sph	573.4 - 574.2	0.9	0.05	1.75
4180	Brown andes schist; 5% carb, & 1 qtz. V.M.	574.3 - 577.1	2.8	0.01	0.35
4182	Somewhat gneissoid andes. & few veinlets; py, pyrrh	630.6 - 634.0	3.4	Tr	Tr
4183	Do. 5% quartz. traces py, pyrrh, chalc, arsenopyrite	634.0 - 636.6	2.6	0.01	0.35
4184	60% grey qtz-carb. & little py, pyrrh, chalc, arseno	636.6 - 638.6	2.0	0.05	1.75
4185	ore. andes. & few qtz-carb str; & 1 py, pyrrh	638.6 - 640.9	2.3	Tr	Tr
4186	Do. 15-20% carb & little qtz. V.M.	640.9 - 642.2	1.3	Tr	Tr
4187	Grey andes schist. & few str; & 1. py, pyrrh	642.2 - 646.1	3.9	0.02	0.70
4188	Do	646.1 - 651.7	5.6	Tr	Tr
4189	Do	651.7 - 656.7	5.0	Tr	Tr
4190	Do	656.7 - 661.3	4.6	Tr	Tr
4191	Do	661.3 - 666.3	5.0	N11	N11
4192	Do	666.3 - 670.8	4.5	N11	N11
4193	Brown andes schist. Fair str. & little py, pyrrh.	670.8 - 675.8	5.0	0.02	0.70
4194	Do	675.8 - 677.5	1.7	Tr	Tr
4195	Do. with some porphyry. 5% py, & little quartz in por	677.5 - 680.2	2.7	Tr	Tr
4196	Porphyry as above; 1% py, & little sphal., qtz	680.2 - 683.4	3.2	0.01	0.35
4197	Do	683.4 - 684.7	1.3	0.01	0.35
4198	Do. A few qtz seams with concentrations of py, arseno, sphalerite, galena over lengths to 1/2"	684.7 - 687.3	2.6	0.03	1.05
4199	Brown andes schist. & 1 qtz. Traces py, pyrrh &c	687.3 - 690.1	2.8	Tr	Tr
4200	Do. & little pyrite & pyrrhotite	690.1 - 693.7	3.6	Tr	Tr
4201	Porphyry	693.7 - 696.1	2.4	Tr	Tr

CAMP NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OR/TON	VALUE \$/TON
4202	Grey-brown andesite schist; a few str. Trace py, pyrhh	696.1 - 699.9	3.8	Tr	Tr
4203	Grey andesite schist. A few str. VLM	699.9 - 702.7	2.8	Tr	Tr
4204	Grey andesite schist; 4" opaque white qtz VLM	702.7 - 708.9	1.2	Tr	Tr
4205	Grey andesite schist. A little quartz. VLM	708.9 - 704.5	0.6	Tr	Tr

GEOLOGY

- 0.0 - 4.3 -- Casing stick-up
- 4.3 - 6.0 -- Casing core.
- 6.0 - 26.0 -- Grey-brown amygdaloidal andesite schist including a mineralized quartz vein at 12-14. Well bedded and weakly gneissoid at 20-34
- 26.0 - 36.2 -- Siliceous sediment with a little mineralized vein quartz
- 36.2 - 41.6 -- Brown andesite schist
- 41.6 - 42.7 -- Siliceous sediment with quartz and sulphides.
- 42.7 - 45.0 -- Brown andesite schist
- 45.0 - 51.6 -- Grading into grey andesite schist with 6-8" quartz
- 51.6 - 52.6 -- Siliceous iron formation.
- 52.6 - 61.5 -- Grey-brown andesite schist
- 61.5 - 66.5 -- Siliceous sediment with fair vein quartz
- 66.5 - 73.2 -- Grey-brown andesite schist, becoming massive.
- 73.2 - 76.5 -- Younger intrusive diorite
- 76.5 - 81.2 -- Grey-brown andesite schist
- 81.2 - 82.6 -- Siliceous sediment
- 82.6 - 85.7 -- Younger intrusive diorite
- 85.7 - 88.4 -- Siliceous sediment
- 88.4 - 89.0 -- Younger intrusive diorite
- 89.0 - 92.0 -- Brown andesite schist
- 92.0 - 93.7 -- Siliceous sediment
- 93.7 - 97.5 -- Brown andesite schist
- 97.5 - 108.0 -- Siliceous grey gneissoid andesite schist
- 108.0 - 120.0 -- Grading into a brown-black weakly siliceous andesite schist
- 120.0 - 125.0 -- Well bedded siliceous sediment. 1.7 feet chopped core.
- 125.0 - 131.0 -- Brown, bedded andesite schist with a fair number of quartz stringers.
- 131.0 - 232.0 -- Bedded gneissoid andesite schist. Grey with fair stringers.
- 232.0 - 239.0 -- Grading into brown andesite schist with vein quartz and garnet (?)
- 239.0 - 324.0 -- Grey gneissoid andesite schist as above with a few brown-altered sections engulfing certain short mineralized sections.
- 324.0 - 349.0 -- Massive greenandesite with some local brown alteration.
- 349.0 - 403.1 -- Brown altered andesite schist with much carbonate in veins and stringers and a little quartz. Well mineralized. The rock gradually develops a spotted character due to blebs of ferromagnesian minerals
- ~~403.1 - 406.8~~
- 403.1 - 406.8 -- Younger intrusive diorite
- 406.8 - 425.0 -- Spotted schist as above but with no stringers, and little mineralization.
- 425.0 - 427.8 -- Vaxy sericitic porphyry as previously described.
- 427.8 - 475.4 -- Spotted schist as above. Mostly grey with local brown alteration. A gradual transition say at 465 to a grey gneissoid andesite schist
- 475.4 - 477.2 -- Porphyry. Not so sericitic as usual.

GEOLOGY

- 487.2 - 490.0 -- Brown amygdaloidal andesite schist with many stringers.
- 490.0 - 500.6 -- Porphyry as above.
- 500.6 - 507.9 -- Brown andesite schist with many quartz and carbonate stringers
- 507.9 - 511.5 -- Coarse intrusive biotite
- 511.5 - 541.0 -- Brown andesite schist. 60-80% (quartz)-carbonate with some mineralization including about 8 feet massive vein carbonate with some chrome green stain but little mineralization.
- 541.0 - 547.8 -- Coarse intrusive diorite.
- 547.8 - 554.4 -- Brown andesite schist with well mineralized quartz & carbonate stringers.
- 554.4 - 562.9 -- Vein carbonate; in part regular, the rest irregular.
- 562.9 - 577.0 -- Brown andesite schist with quartz & carbonate stringers.
- 577.0 - 590.2 -- Soft biotite-chlorite schist. A new rock type to date. Somewhat gneissoid in texture. Possibly a keewatin sill.
- 590.2 - 591.8 -- Fresh younger diorite
- 591.8 - 597.0 -- Andesite; fairly normal, blue-green; somewhat siliceous
- 597.0 - 603.8 -- Biotite-chlorite schist as at 577.0 - 590.2
- 603.8 - 631.0 -- Blue-green slightly siliceous andesite as above. Slightly gneissoid.
- 631.0 - 670.0 -- Andesite as above, but with numerous grey quartz and carbonate veins and stringers. No brown alteration to speak of; many amygdules. In this connection it seems that much of the stringer zones and mineralization is concentrated to some degree in the amygdaloidal areas of the lavas in all the drilling on the island.
- 670.0 - 678.8 -- Brown andesite schist
- 678.8 - 687.2 -- Porphyry as previously described. Rather more highly altered than usual. Fair pyrite mineralization and a few stringers with arsenopyrite
- 687.2 - 692.7 -- Brown andesite schist
- 692.7 - 695.5 -- Porphyry as above.
- 695.5 - 704.5 -- Brown andesite schist becoming somewhat greyish.
- 704.5 -- End of Hole.

March 1945

DIAMOND DRILL LOG
HOPKINLEY RED LAKE

DDH No M19

4p
Bearing

-45°

Location

Drilled by
Logged byANJOED DD Co
W.P. Corking.

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4206	Brown andesite schist. A little carbonate; traces pyrite, pyrrhotite, arsenopyrite	10.0 - 11.9	1.9	0.01	0.35
4207	Do. Some quartz with fair pyrite, arsenopyrite	11.9 - 13.1	1.2	0.04	1.40
4208	4" quartz with other stringers. VMM py, pyrrh & fair sphalerite, galena, arsenopyrite	13.1 - 13.9	0.8	1.16	40.60
4209	Brown andesite schist with several short qtz & carb sections. Fair pyrite, pyrrhotite	13.9 - 17.9	4.0	Tr	Tr
4210	Grey andesite schist; a few qtz & carb str. FVM	17.9 - 22.1	4.2	Tr	Tr
4211	3" quartz. FVM pyrite, pyrrhotite	26.6 - 27.6	1.0	0.02	0.70
4212	Siliceous sediment with a little quartz. FVM py, pyrrh	36.2 - 37.1	0.9	0.01	0.35
4213	Siliceous sediment with some schist. FVM py, pyrrh	43.3 - 44.6	2.3	Tr	Tr
4214	Iron formation with 6" later diorite. FVM pyrite, pyrrhotite and a little chalcopyrite	55.3 - 58.6	3.3	0.04	1.40
4215	Siliceous iron formation; 10% quartz. FVM pyrite, pyrrhotite, a little arsenopyrite, galena	66.2 - 68.8	2.6	0.01	0.35
4216	Do.	88.8 - 91.0	2.2	0.04	1.40
4217	Replacement quartz. Gray. FVM pyrite. Some arseno	114.9 - 115.9	1.0	Tr	Tr
4218	Siliceous sediment. A little pyrite, arsenopyrite	119.7 - 121.9	2.2	3.19	111.65
4219	Do. A little vein quartz. FVM py, pyrrh	121.9 - 125.0	3.1	Tr	Tr
4220	Gneissoid andesite schist; 40% vein qtz. VMM	130.0 - 131.4	1.4	Tr	Tr
4221	Siliceous gneissoid andesite schist. Many qtz threads	149.0 - 153.9	4.9	N11	N11
4222	Do	153.9 - 159.9	6.0	N11	N11
4223	Do	159.9 - 163.8	4.4	0.02	0.70
4224	Do	163.8 - 168.0	4.7	Tr	Tr
4225	Do	168.0 - 173.0	5.0	Tr	Tr
4226	Gneissoid andesite schist. A few str. A 1 py, arsen	222.7 - 224.1	1.4	0.06	2.10
4227	Do	227.3 - 227.9	0.6	0.07	2.45

SAM NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4228	4" quartz in brown andesite schist VLM	246.8 @ 246.9	0.6	0.01	0.35
4229	Brown andesite schist with traces arsenopyrite	246.9 - 250.0	3.2	Tr	Tr
4230	Do. 5% carb str; 80% very fine massive arsenopyrite over 4"; a little quartz	250.1 - 252.0	1.9	0.05	1.75
4231	1.6' irregular qtz-carb; 5% fine massive arseno 2% pyrite with fair sphalerite, chalcoc, garnet.	252.0 - 254.8	2.8	0.09	3.15
4232	Very highly carb'd brown schist with some qtz. 10% arsenopyrite & fair pyrite. A l sphalerite	254.8 - 257.1	2.3	0.15	4.25 5.25
4233	Do	257.1 - 259.4	2.3	0.17	3.95 5.95
4234	Do	259.4 - 261.1	1.7	Tr	Tr
4235	Do. NOTE: 1.3' core ground and lost in the last 10' run. There was but 2.6' core in this sample. For the purpose of averaging, distribute this loss evenly over the whole zone	261.1 - 265.0	3.9 3	0.14	4.90 4.90
4236	Spotted schist with a few qtz str. VLM	265.0 - 270.5	5.5	Tr	Tr
4237	Do. With a few carbonate str. Some mineralization	270.5 - 273.8	3.3	Tr	Tr
4238	Do	273.8 - 279.0	5.2	N11	N11
4239	Do	279.0 - 284.2	5.2	Tr	Tr
4240	Do	284.2 - 285.9	1.7	N11	N11
4241	Do. 5" carbonate with a little fin arsenopyrite	285.9 - 287.1	1.2	N11	N11
4242	Spotted schist. A few carb str. A little pyrite	287.1 - 290.0	2.9	N11	N11
4243	Several quartz stringers with a little arsenopyrite	295.6 - 296.2	0.6	0.04	1.40
4244	Porphyry with pyrite; a little quartz	300.3 - 301.8	1.5	Tr	Tr
4245	Black andesite schist; 5% carb str, RWM py, arseno	306.1 - 307.2	1.1	Tr	Tr
4246	Do	307.2 - 310.0	2.8	Tr	Tr
4247	Do	310.0 - 312.8	2.8	0.06	2.10
4248	80% vein carb with fair qtz. 10% py; 3-5% arseno	312.8 - 315.7	2.9	0.07	2.45
4249	Black andes schist. 5% carb str; py, arseno	315.7 - 319.4	3.7	0.01	0.35
4250	Brown an es schist. A few qtz str, A little py	332.6 - 337.6	5.0	Tr	Tr
4251	Do. The str mineralized with arsenopyrite, pyrite galena. One speck V.G.	337.6 - 340.1	2.5	0.10	3.50

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4252	60% quartz stringers. FM py, pyrhh, a l. arseno	340.1 - 341.6	1.5	Tr	Tr
4253	Gneissoid andesite schist. FM py, pyrhh	361.1 - 362.5	1.4	0.18	6.30
4254	6" quartz with other str. VLM	444.8 - 447.1	2.3	0.02	0.70
4255	Grey-green andes schist; chilled.	447.1 - 450.9	3.8	Trace	Tr
4256	Brown andes schist; a little qtz. FM py, pyrhh; Ars	450.9 - 452.8	1.9	Tr	Tr
4257	Brown spotted schist; a few veinlets; 2" py, arseno	456.7 - 458.2	1.5	0.01	0.25
4258	Brown spotted schist; 8" carb and a few other str	460.7 - 464.1	3.4	Tr	Tr
4259	Brown andes schist. 5-10% qtz; 5% py, 10% fine ars'o	467.2 - 469.1	1.9	0.17	5.95
4260	Brown andes schist; a few veinlets. A l py, arseno	469.1 - 472.6	3.5	0.06	2.10
4261	Highly carb'd schist; 2" qtz, 2% py, 2% arseno	472.6 - 475.0	2.4	0.03	1.05
4262	Vein Carbonate. Almost pure. VLM	475.0 - 477.8	2.8	Tr	Tr
4263	Vein Carbonate as above	477.8 - 479.5	2.2	Tr	Tr
4264	Vein Carbonate. FM pyrite	482.7 - 485.2	0.5	0.03	1.05
4265	Rauve coloured altered rock. Considerable graining	485.2 - 487.4	4.2	Tr	Tr
4266	Do. Traces arsenopyrite	487.4 - 491.0	2.6	Tr	Tr
4267	Do. Becoming more like normal brown andes sch. Arseno	491.0 - 493.8	2.8	Tr	Tr
4268	Do	493.8 - 495.7	1.9	Tr	Tr
4269	Do. 2" quartz; FM pyrite, some arsenopyrite	495.7 - 496.7	1.0	Tr	Tr
4270	Vein Carbonate with some green streaks; 25% later quartz. A little pyrite, arsenopyrite	496.7 - 499.1	2.4	Tr	Tr
4271	Highly carb'd brown andes schist. 50% str. FM py, As	499.1 - 501.8	2.2	Tr	Tr
4272	90% carb, including 25% later qtz. FM py, As	501.8 - 503.5	2.2	0.04	1.40
4273	Do	503.5 - 505.1	1.6	Tr	Tr
4274	Brown andes schist. A few qtz-carb str. 5% py, 2% As	505.1 - 506.6	1.5	0.02	0.70
4275	Brown andes schist; 2", 1" qtz. FM py, ZnS	519.8 - 523.1	3.3	Tr	Tr
4276	Brown andes schist; several qtz veinlets with heavy pyrite, arsenopyrite, sphalerite, & some galena, chal	552.9 - 554.0	1.1	0.04	1.40
4277	3" qtz, heavily min As, py, pyrhh, PbS, ZnS, chalco	584.0 - 584.7	0.7	0.08	2.80

DEPTH NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4878	1" quartz. 1" pyrite, pyrrh, galena, sphalerite and arsenopyrite	694.0 - 694.4	0.4	Tr	Tr
4879	12" brown mica schist with sericitic porph. 1" quartz. 1" pyrite, sphalerite.	694.4 - 698.4	3.2	Tr	Tr
4880	Sericitic porphyry. 1" pyrite, sphalerite	698.4 - 699.1	1.7	Tr	Tr
4881	70., 1" quartz. 1" arseno, py, sphal rite	699.1 - 699.7	0.6	0.08	2.80
4882	1.1' inclusion in sericitic porphyry, 4" wall 1" pyrite; 1" quartz. 1.7' ground core	699.7 - 661.2	3.5	Tr	Tr
4883	Brown mica schist, with small con centrations py, pyrrh, arseno, sphalerite, chalcoc	661.2 - 664.8	3.6		

199' All sludge lost on this hole.

62276Y

- 0.0 - 4.2 -- casing stick-up above water level.
- 4.2 - 6.4 -- casing core
- 6.4 - 13.0 -- brown-black andesite schist. Fairly well carbonized.
- 13.0 - 26.8 -- Grey andesite schist. Slightly gneissoid.
- 26.8 - 27.1 -- Siliceous sediment.
- 27.1 - 41.8 -- Banded grey andesite schist
- 41.8 - 45.0 -- Siliceous sediment
- 45.0 - 55.9 -- Carbonized, grey andesite schist. 1.9' ground core.
- 55.9 - 60.0 -- brown andesite schist
- 60.0 - 61.4 -- Carbonized grey andesite schist
- 61.4 - 67.0 -- Siliceous banded iron formation.
- 67.0 - 67.6 -- Diorite intrusive (younger)
- 67.6 - 69.6 -- Iron formation as above
- 69.6 - 71.0 -- Grey amygdaloidal andesite schist
- 71.0 - 71.0 -- Diorite intrusive (younger)
- 71.0 - 80.8 -- brown andesite schist
- 80.8 - 81.1 -- Younger intrusive diorite
- 81.1 - 86.7 -- grey gneissoid schist. 0.9' ground.
- 86.7 - 91.0 -- brown bar of iron formation. 1.1'. with a little quartz
- 91.0 - 105.4 -- grey gneissoid andesite schist
- 105.4 - 115.7 -- sharp gradation to brown andesite schist
- 115.7 - 125.0 -- Siliceous sediment
- 125.0 - 126.6 -- Black andesite schist
- 126.6 - 226.0 -- Highly siliceous amygdaloidal gneissoid andesite schist. Some stringer
- 226.0 - 265.0 -- brown andesite schist. Very irregular & well carbonized
- 265.0 - 280.0 -- quartz-carbonate zone, heavily mineralized with pyrite,
very fine arsenopyrite. Some ground core.
- 280.0 - 280.0 -- spotted schist as in #18
- 280.0 - 283.0 -- fairly rapid gradation to a hard massive green andesite
- 283.0 - 284.8 -- Porphyry
- 284.8 - 284.8 -- ground core
- 284.8 - 289.0 -- Black andesite schist with many narrow carbonate stringers and some
mineralization. Including a carbonate vein with arsenopyrite

GEOLOGY

- 320.0 - 326.0 -- Grading into massive andesite schist, at first somewhat spotted.
- 326.0 - 332.0 -- Brown andesite schist with a little quartz
- 332.0 - 350.5 -- Somewhat gneissoid andesite schist
- 350.5 - 354.0 -- Younger intrusive diorite
- 354.0 - 441.0 -- Slightly gneissoid andesite schist
- 441.0 - 473.0 -- Grading into a slightly spotted gray-green-brown andesite schist with strings
- 473.0 - 479.2 -- Vein carbonate preceded by a little quartz and fairly heavy fine arsenopyrite in carbonated schist
- 479.2 - 482.7 -- Younger diorite intrusive
- 482.7 - 485.2 -- Vein carbonate
- 485.2 - 496.7 -- Fine grained mauve altered rock grading into a normal brown andesite sch.
- 496.7 - 505.0 -- Two massive carbonate veins with some inclusions
- 505.0 - 524.0 -- Somewhat spotted green andesite schist with a certain amount of brown alt'n
- 524.0 - 527.5 -- Fairly normal green andesite.
- 527.5 - 534.3 -- Younger intrusive diorite
- 534.3 - 645.0 -- Weakly gneissoid but not siliceous amygdaloidal andesite schist. Occasional mineralized quartz stringers.
- 645.0 - 647.6 -- Younger intrusive diorite
- 647.6 - 651.2 -- Grey andesite schist as above
- 651.2 - 660.9 -- Sericitic porphyry with 12" inclusion of schist. PGM
- 660.9 - 664.4 -- Brown andesite schist. PGM pyrite, pyrrhotite, arsenopyrite, sphalerite in seams and veinlets.
- 664.4 - 668.2 -- Younger intrusive diorite.
- 668.2 - 677.5 -- Slightly gneissoid greenandesite schist. NOTE this stage mapped on surface as biotite-chlorite schist
- 677.5 - 682.0 -- As above with a few bleached cream-coloured altered sections-probably associated with the following intrusive.
- 682.0 - 684.4 -- Rock of granitic appearance, light grey, siliceous and intrusive, but locally with definite clastic elements. Contacts appear intrusive.
- 684.4 - 752.0 -- Weakly gneissoid andesite schist
- 752.0 - 797.0 -- Short gradation to a uniform textured, hardened andesite.
- 797.0 -- End of Hole.

DIP TESTS

Collar	52°
200'	50°
400'	49°
600'	50°
700'	47°

December 1944.

MCFINLEY RED LAKE

DDH No. M20

X-Ray

DIAMOND DRILL LOG

Bearing
Dip

Location

Drilled by
Logged bySmerchanski
W.P. Corking

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2710	Chlorite schist; 10% quartz str. VIM	12.1 - 13.6	1.5	Tr	Tr
2709	Do; 3", 2" quartz with some pyrite, pyrrhotite	17.9 - 19.1	1.2	Nil	Nil
2708	Do. A little py, pyrrh, specks chalco. Not much qtz	19.1 - 23.2	4.1	0.02	0.70
2707	Do. 10% stringers. VIM	23.2 - 25.0	1.8	0.02	0.70
2711	IF; FWM pyrrhotite	40.4 - 41.8	0.9	Nil	Nil
2712	19" brecciated quartz with pyrite, pyrrhotite	50.0 - 51.8	1.7	0.16	5.60
2713	Brown schist with 5" barren quartz	51.7 - 53.0	1.3	0.02	0.70
2719	20% quartz - carbonate stringers in schist. VIM	54.5 - 56.5	2.0	Tr	Tr
2720	Siliceous IF; pyrite, pyrrhotite, a little chalcopyrite	60.3 - 61.7	1.4	0.06	1.40
2715	Do. No chalcopyrite	61.7 - 63.3	1.6	Tr	Tr
2716	Black schist. A little py, chalco; 2" irregular qtz	67.0 - 69.2	2.2	0.04	1.40
2717	Siliceous IF. A little pyrite, pyrrhotite	70.7 - 72.9	2.2	0.02	0.70
2718	Siliceous IF. Some pyrite, pyrrh, chalcopyrite	75.7 - 77.0	1.3	0.02	0.70
2802	IF. 10% pyrite, 10% pyrrhotite. A little arsenopyrite	120.5 - 122.1	1.6	Tr	
2803	IF. 10% py, 10% pyrrh, 1% arsenopyrite, 1% chalcopyrite	122.1 - 123.3	1.2	.04	1.40
2804	IF; 1 1/2", 1", 5" quartz. 10% pyrite, 5% pyrrhotite	123.3 - 125.3	2.0	.20	7.00
2805	Metadiorite; a few qtz str with a little pyrite, pyrrhotite, and traces of arsenopyrite	130.1 - 132.7	2.6	.02	0.70
2806	Metadiorite as above. No quartz and VIM	132.7 - 133.7	1.0	Tr	
2807	Quartz porphyry, 3" quartz at contact; good mineralization in quartz; pyrrh, chalco, galena siderite (?)	133.7 - 134.6	0.9	.68	23.80
2808	Quartz porphyry. FWM disseminated pyrite and a few str up to 1/8" FWM pyrite, galena, chalcopyrite	134.6 - 137.1	2.5	Tr	
2809	As 2808.	137.1 - 140.5	3.4	Tr	
2810	Do. Some wallrock inclusion	140.5 - 144.4	3.9	.02	0.70
2811	Do. 8" core ground and lost	144.4 - 149.4	5.0	Tr	
2812	Do	149.4 - 150.3	0.9		

GEOLOGY

- 0.0 - 1.0 -- Casing
 1.0 - 60.4 -- Well banded schist with some amygdules apparent
 33.5 - 36.0 -- diorite or lamprophyre
 40.5 - 41.2 -- Iron formation
 44.3 - 46.0 -- Diorite or lamprophyre
 58.0 - 60.4 -- Green alteration or possibly a sediment
 60.4 - 63.4 -- Cherty lean iron formation
 63.4 - 70.7 -- Brown-black andesite schist
 70.7 - 72.8 -- Cherty iron formation
 72.8 - 75.7 -- Diorite-fresh and young. C.F. DD M5, M6, M7 etc
 75.7 - 76.9 -- Cherty IF as above
 76.9 - 120.5 -- Black and green striped recrystallized lava. Hereafter this named meta-diorite
 1 112.5 - 114.9 -- Core ground and lost
 120.5 - 125.5 -- IF. Normal, lean. 10% pyrite, 10% pyrrhotite and traces of chalcopyrite, arsenopyrite. A little quartz vein matter.
 125.5 - 134.2 -- Metadiorite as above but with occasional large amygdules. Also locally developed clusters of an unidentified hard pink non-metallic (Corundum?)
 134.2 - 150.3 -- Greenish quartz porphyry slightly sericitized. Some mineralized stringers and numerous blebs of what appears to be the same mineral as above. This mineral also shows on the surface exposures of the porphyry.
 150.3 -- End of hole.

NOTE: No sludges were taken on this hole. The core was not split for sampling.

December, 1944.

DIAMOND DRILL LOG

DDH No. M21

McFINLEY RED LAKE

Bearing

Location

Drilled by Smerchanski
Logged by W.P. Corking

Dip

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2813	Dark grey sediment. Numerous qtz veinlets; pyrrh	5.2 - 7.5	2.3	-	
2814	Do	8.6 - 11.3	2.5	Tr	
2815	Silicified section with pyrite, pyrrhotite. Much unidentified pink non-metallic	18.1 - 19.0	0.9	.02	0.70
2816	Silicification in sediments. 10% pyrrhotite	24.9 - 25.8	0.9	Tr	
2817	Silicified breccia zone. Some quartz & carbonate FWM pyrrhotite	25.8 - 27.2	1.4	.02	0.70
2818	Do. A little chalcopryrite also	27.2 - 28.7	1.5	.04	1.40
2819	IF. FWM pyrite, pyrrhotite	30.20 - 31.5	1.5	.02	0.70
2820	Do	31.5 - 32.8	1.3	.02	0.70
2821	Weak schisting in metadiorite. A little pyrrh, 2" qtz	47.7 - 49.1	1.4	Tr	
2822	Andesite. A few quartz str with a little pyrite, pyrrh, chalcopryrite	53.3 - 56.0	2.7	.02	0.70
2823	Amygdaloidal andesite; 8" silicification with carbonate. FWM pyrrhotite and a little sphalerite	61.0 - 62.5	1.5	Tr	
2824	Amygdaloidal andesite, 10% quartz str. FWM py, pyrrh	62.5 - 64.1	1.6	.12	4.20
2825	Do	66.2 - 69.1	2.9	.02	0.70
2826	Intrusive diorite; 1/2", 2", 1" quartz with other str	99.2 - 100.2	1.0	.02	0.70
2827	1/2" quartz with galena, chalcopryrite, pyrrhotite	120.5 - 121.0	0.5	1.50	52.50
2828	50% quartz-calcite stringers	130.0 - 131.6	1.6	.04	1.40

SLUDGES

0 - 13	2720	-	43 - 53	2724	.02	0.70
13 - 23	41	Tr	53 - 63	25	.02	0.70
23 - 33	22	.02	63 - 73	26	Tr	-
33 - 43	23	Tr				

Return water lost- no sludges

GEOLOGY

- 0.0 - 2.8 -- Casing
- 2.8 - 10.2 -- Dark grey faintly banded rock. Possibly a sediment. Numerous quartz-carbonate veinlets and fair pyrite-pyrrhotite mineralization
- 10.2 - 10.8 -- Dark grey medium grained diorite with $\frac{1}{2}$ " finger feldspar porphyry. Some amygdules.
- 10.8 - 12.6 -- Greenish sediments similar to 2.8 - 10.2 except in colour
- 12.6 - 16.9 -- Medium grained, fairly fresh diorite
- 16.9 - 24.7 -- Faintly banded grey and green rock as above but with local pink crystals. Probably sedimentary
- 24.7 - 28.8 - Very high degree of silicification or possibly vein quartz. Some Carbonate. Fairly well mineralized.
- 28.8 - 30.0 -- Black rock. Fine grained and variegated.
- 30.0 - 32.8 -- Siliceous Iron formation. Well mineralized.
- 32.8 - 60.0 -- Gneissoid andesite, grading at 42' to the metadiorite variety and back to the gneissoid andesite at 54'
- 60.0 - 61.0 -- Core ground and lost
- 61.0 - 153.0 -- Highly altered and somewhat contorted amygdaloidal andesite schist. Some quartz stringers and fairly well mineralized. Grading into metadiorite at 74'
 - 99.0 - 100.5 -- Basic dike
 - 144.0 - 144.5 -- Core ground and lost
- 153.0 -- End of hole.

December, 1944.

DIAMOND DRILL LOG
MCFINLEY RED LAKE

DDH No M22
X-Ray

Bearing
Dip

Location

Drilled by Smerchanski
Logged by W.P.Corking

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2829	Dark grey sediments; a few quartz veinlets; py, pyrrh	5.5 - 7.4	1.9	Tr	
2830	Mostly quartz with feldspar and a little pyrite, pyrrh	15.9 - 16.8	0.9	.02	0.70
2831	Silicified zone with fair pyrrhotite mineralization	27.5 - 29.5	2.0	Tr	
2832	Siliceous IF; 5" quartz. FWM pyrrhotite, chalcopyrite	29.8 - 31.3	1.5	-	
2833	Do. No quartz. A little pyrite, pyrrhotite	31.3 - 33.8	2.5	.02	0.70
2834	Siliceous IF; 1" quartz. A little pyrite, pyrrhotite. (0.7' core ground and lost)	35.3 - 37.1	1.8	Tr	
2835	Andesite with sphalerite concentration over 1"	38.3 - 39.0	0.7	Tr	
2611	Green silicification in brown schist. VLM	54.8 - 56.8	2.0	Tr	
2612	Do. 2" siderite (?) and galena	56.8 - 57.3	0.5	.02	0.70
2613	Green silicification . VLM	57.3 - 58.3	1.0	Tr	
2614	Do. 2% pyrrhotite & traces of chalcopyrite	58.3 - 59.2	0.9	.02	0.70
2615	Brecciated IF with some quartz. FWM pyrrhotite	60.5 - 62.1	1.6	.06	2.10
2616	Cherty IF. FWM pyrrhotite	62.1 - 63.5	1.4	.02	0.70
2617	Do + 2" Qtz	63.5 - 64.2	0.7	Tr	-
2618	Cherty IF. FWM pyrrhotite	64.2 - 66.8	2.6	Tr	
2619	Green-black banded schist. FWM pyrrhotite. A little sphalerite	69.6 - 72.5	2.9	.02	0.70
2620	Gneissoid schist. Much chalcopyrite and pyrrh over 1 1/2"	114.8 - 115.2	0.4	Tr	

SLUDGE SAMPLES

10 - 13	2727	.02	0.70	25 - 26
13 - 23	28	.04	1.40	27 - 28
23 - 33	29	.02	0.70	29 - 30
33 - 43	30	.04	1.40	31 - 32
43 - 53	31	Tr	-	33 - 34
53 - 55				35 - 36
Return water lost				37 - 38

NOTE: THE FOLLOWING SAMPLES WERE TAKEN LATER:

2274	2" quartz in silicified gneissoid andesite VLM	168.6 - 170.7	2.1	0.05	1.75
2275	Silicified andesite schist; 4" quartz with py, pyrrh	173.3 - 174.9	1.6	0.06	2.10

GEOLOGY

- 0.0' - 2.8 -- Casing
- 2.8 - 11.5 -- Dark grey sediment (?)
- 11.5 - 12.9 -- Intrusive diorite
- 12.9 - 15.0 -- Chloritic andesite or possibly green sediments
- 15.0 - 19.7 -- Intrusive diorite
- 19.7 - 27.5 -- Grey-green sediments
- 27.5 - 29.3 -- Silicified zone. Fairly well mineralized.
- 29.3 - 29.9 -- Black rock
- 29.9 - 33.7 -- Iron formation. Siliceous. Fair pyrite, pyrrhotite mineralization
- 33.7 - 50.0 -- Chloritic andesite schist
- 50.0 - 54.8 -- Brown schist
- 54.8 - 59.2 -- Green silicification with a little mineralization
- 59.2 - 60.7 -- Brown schist
- 60.7 - 67.0 -- Iron formation, in part brecciated. Pale green and siliceous. Fair pyrite and pyrrhotite
- 67.0 - 174.9 -- Black and green gneissoid lava. In part amygdaloidal.
- 174.9 - 202.0 -- Dark grey-green amygdaloidal andesite schist, quite siliceous and locally gneissoid.
- 202.0 -- End of Hole.

December , 1944

DIAMOND DRILL LOG

DDH No M23

DIP

McFINLEY RED LAKE

X-Ray

DRILLED BY Smerchanski
LOGGED BY W.P.Corking

DIRECTION

LOCATION

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2621	Cherty sediments. FWM pyrrhotite	6.2 - 7.8	1.6	.02	0 ⁷⁰
2622	Banded schist with numerous qtz str. VLM	11.6 - 14.9	3.3	Tr	-
2623	Do. A little pyrite	14.9 - 17.5	2.6	-	-
2624	Cherty sediments. FWM pyrrhotite	21.9 - 23.1	1.2	-	-
2625	Cherty sediments (IF) A little pyrrhotite	35.4 - 36.5	-1.1	-	-
2626	Cherty IF. FWM pyrite, pyrrhotite. A little sphalerite	49.9 - 52.5	2.6	Tr	-
2627	Silicious IF. A little pyrite, pyrrhotite	64.9 - 68.3	-3.4	.04	1 ⁴⁰
2628	Do	68.3 - 69.9	1.6	Tr	-
2629	Quartz. FWM pyrrhotite (5%) Some carbonate	69.9 - 70.7	0.8	.02	0 ⁷⁰
2630	Cherty IF. FWM pyrite, pyrrhotite, a little quartz	70.7 - 71.9	1.2	.04	1 ⁴⁰
2631	80% irregular quartz. VLM	74.7 - 75.3	0.6	Tr	-
2632	50% irregular quartz. VLM	111.5 - 112.4	0.9	Tr	-
2633	Silicious IF. A little py, pyrrh. Traces chalcopryrite	115.6 - 118.0	2.4	Tr	-
2634	Do. With some schist and stringers.	118.0 - 121.4	3.4	.02	0 ⁷⁰
2635	Irregular chloritic quartz. VLM	122.5 - 123.5	1.0	Tr	-

SLUDGE SAMPLES

● - 15	2732	.02	0 ⁷⁰	85 - 95	2744	Tr	
15 - 25	33	Tr		95 - 105	45	.02	0 ⁷⁰
25 - 35	34	Tr		105 - 115	46	.02	0 ⁷⁰
35 - 45	35	Tr		115 - 125	47	.02	0 ⁷⁰
45 - 55	36	.04	1 ⁴⁰	125 - 135	48	Tr	
55 - 65	38	.02		135 - 145	49	-	
65 - 75	40	.14	4 ⁹⁰	145 - 151	50	-	
75 - 85	43	.16	5 ⁶⁰				

GEOLOGY

- 0.0 - 5.0 -- Casing
- 5.0 - 6.1 -- Black amygdaloidal andesite schist
- 6.1 - 7.6 -- Cherty Iron formation and green sediments.
- 7.6 - 21.9 -- Black to grey banded andesite. Locally amygdaloidal
- 21.9 - 23.0 -- Well bedded sediments.
- 23.0 - 27.0 -- Normal green chloritic andesite
- 27.0 - 30.0 -- Fresh, medium grained diorite.
- 30.0 - 35.4 -- Gneissoid schist. Green and black. Diorite at 33.1, - 33.8
- 35.4 - 36.5 -- Cherty Iron formation
- 36.5 - 50.0 -- Gneissoid schist as above. Diorite at 45.3 - 45.5 and 48.8 - 49.2
- 50.0 - 54.9 -- Iron formation and sediments
- 54.9 - 59.5 -- Black amygdaloidal basalt schist
- 59.5 - 60.5 -- Fresh diorite
- 60.5 - 64.0 -- Black amygdaloidal basalt schist
- 64.0 - 71.8 -- Cherty Iron formation with 10 " quartz and other stringers. Not well mineralized except in quartz
- 71.8 - 110.0 -- Green and black gneissoid schist
 - 84.9 - 87.0 -- Diorite
 - 89.0 - 90.5 "
- 110.0 - 115.7 -- Brown schist
- 115.7 - 119.5 -- Brecciated siliceous iron formation including 12" coarser fragmental
- 119.5 - 150.6 -- Gneissoid schist. More highly altered than usual. Light green to dark grey with amygdules occasionally.
- 150.6 -- End of Hole.

December, 1944

DIAMOND DRILL LOG

DDH NO. M.24

Di

McFinley red lake

Drilled by Smerchanski

BEARING

LOCATION

Logged by W.P. Corking

SAMPLE NO.	DESCRIPTION	FOOTAGE FT.	LENGTH FT.	ASSAY OZ/TON	VALUE \$/TON
2636	Siliceous IF. FWM pyrite, pyrrhotite. Traces Specularite?	8.0 - 9.5	1.5	04	1.40
2637	Schist. Numerouz qtz str. A little pyrite, pyrrhite	23.7 - 26.1	2.4	02	0.70
2638	Cherty IF. A little pyrite, pyrrh, chalcopyrite	39.3 - 41.5	2.3	Tr.	
2645	Siliceous IF. 10% pyrrh. Traces pyrite, chalcopyrite	56.5 - 58.3	1.8	.06	2.10
2646	Siliceous IF. 3" quartz: 10% pyrrh & a little pyrite	58.3 - 60.1	1.8	.02	0.70
2647	Siliceous IF. 5% pyrite, 5% pyrrhite	72.1 - 73.8	1.7	.08	2.80
2648	Siliceous IF. 5% pyrrhite. Traces Chalco. 3" qtz	73.8 - 75.5	1.7	.66	23.10
2649	Siliceous IF. Most of this material looks almost like vein quartz. 5% pyrrhite	75.5 - 78.1	2.6	Tr.	
2650	Siliceous IF as above. 2% quartz pyrrhotite	78.1 - 80.0	1.9	Tr.	
2651	Do. 5% pyrrhotite	80.0 - 80.8	0.8	.02	0.70
2652	Siliceous grey IF. 5% pyrrhotite	124.0 - 125.7	1.7	Tr.	
2653	Do. Including 6" black wallrock inclusion. 5% pyrite 5% pyrrhite	125.7 - 127.8	2.1	Tr.	
2654	Siliceous IF. 5 - 10% pyrrhite	128.9 - 129.9	1.0	.04	1.40
2655	Disturbed siliceous IF: 1" quartz. 10% pyrrhotite	130.6 - 133.3	2.7	Tr.	
2656	Highly disturbed grey-green schist with numerous str. traces of chalcopyrite	133.3 - 135.0	1.7	-	
2657	Brown schist with a few qtz str. VLM	135.0 - 138.9	3.9	-	
2658	Do. 5" carbonate	138.9 - 139.8	0.9	-	
2659	4" quartz-carbonate. VLM	142.0 - 143.0	1.0	-	

SLUDGE SAMPLES

	#	Assay	Value
0 - 15	2751	.10	3.50
15 - 25	52	.02	0.70
25 - 35	53	Tr	-
35 - 45	54	Tr	-

Return water lost.

GEOLOGY

- 0.0 - 5.0 - Casing
- 5.0 - 8.0 - Green-black andesite schist
- 8.0 - 9.5 - Iron formation with a little specularite (?)
- 9.5 - 15.7 - Green-black andesite. Locally amygdaloidal.
- 15.7 - 17.5 - Probably sediments
- 17.5 - 28.4 - Andesite schist. Faintly banded. Possibly sediments. Becoming chloritic
- 28.4 - 32.1 - Fresh diorite
- 32.1 - 39.3 - Gneissoid schist
 - 34.1 - 34.7 - Chopped core, lost
 - 37.0 - 37.8 - Diorite
- 39.3 - 41.0 - Siliceous iron formation. Not well mineralized
- 41.0 - 52.0 - Gneissoid schist
- 52.0 - 55.9 - Diorite
- 55.9 - 56.6 - Brown schist
- 56.6 - 59.6 - Cherty iron formation. Fair pyrrhotite
- 59.6 - 64.0 - Amygdaloidal brown schist
- 64.0 - 66.8 - Diorite
- 66.8 - 68.1 - Chopped core, lost
- 68.1 - 72.4 - Amygdaloidal brown schist
- 72.4 - 80.8 - Siliceous iron formation with some quartz. Fair pyrite, pyrrhotite.
- 80.8 - 84.0 - Brown schist
- 84.0 - 94.8 - Black & green gneissoid schist, gradational from the brown schist
- 94.8 - 96.3 - Diorite
- 96.3 - 120.0 - Black and greengneissoid schist
- 120.0 - 121.0 - Brown schist. Gradational from the gneissoid textured material
- 121.0 - 133.2 - Grey siliceous iron formation. Fair pyrrhotite. 6" black inclusion
- 133.2 - 147.2 - Very highly disturbed banded grey-brown schist. Numerous stringers VLM
Typically amygdaloidal.
 - 144.0 - 145.0 - Core ground
- 147.2 - 180.0 - Green-black gneissoid schist. Locally amygdaloidal with some pillows
- 180.0 - 202.0 - Medium grained diorite. Fresh.
- 202.0 - End of Hole.

NOTE: The following additional samples were taken.

2871 3" heavy sphalerite, galena, pyrrhotite 180.3 - 181.6 - 1.3 0.04 1.40

December 1944

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH NO. M-25

Dip: 335°

Location: Claim K-1495; 10°N; 12°E - No. 1 Drilled by: Smerchanski
Dip : -45° Post - Claim K-1494. Logged by: W.P. Corring

No.	Description	Footage	Length	Assay Value	
				Oz-Ton	\$/Ton
2843	Andesite with 2% pyrite; traces chalcopyrite	7.7 - 10.5	2.8	Tr	Tr
2844	Altered andesite; a little pyrrhotite	16.2 - 17.6	1.4	Nil	Nil
2846	Weakly silicified schist; a little pyrite; pyrrhotite	30.2 - 32.3	2.1	Nil	Nil
2847	Highly silicified schist with a little carbonate; a little arsenopyrite in small blebs, especially as circlets surrounding quartz blebs. The arsenopyrite is shown in the larger crustals to be refractured	32.5 - 34.7	2.4	Tr	Tr
2848	Do; Also a 5" section with 60% mineralization - pyrite; pyrrhotite; arsenopyrite; sphalerite	34.7 - 35.9	1.2	0.06	2.10
2849	Highly silicified and carbonatized schist with 5% combined pyrite, pyrrhotite, arsenopyrite	35.9 - 37.8	1.9	0.02	0.70
2850	Moderately silicified and carbonatized schist; 2% pyrite; pyrrhotite and possibly a little arsenopyr.	37.8 - 41.0	3.2	0.02	0.70
2851	Weakly silicified schist; 10% carbonate strgs; VLM	41.0 - 42.7	1.7	Tr	Tr
2852	Weakly silicified and carbonatized schist; VLM	42.7 - 45.6	2.9	Nil	Nil
2853	Do.	45.6 - 48.7	3.1	Nil	Nil
2854	Schist with 10% quartz and carb strgs; VLM	48.7 - 50.1	1.4	Nil	Nil
2855	Schist with 40% quartz and carb. strgs. VLM	50.1 - 52.9	2.8	Nil	Nil
2856	Brown schist; 30% quartz veinlets; a little pyr;pyrr	52.9 - 57.9	5.0	Nil	Nil
2857	Do.	57.9 - 63.0	5.1	Nil	Nil
2858	Do.	63.0 - 67.6	4.5	Nil	Nil
2859	Do. 3-5% pyrite; pyrrhotite; specks of arsenopyrite	67.5 - 69.7	1.2	Tr	Tr
2860	Quartz vein 90% replaced by pyrite; pyrrhotite; arsenopyrite. A small speck of visible gold	69.7 - 69.7	1.0	0.06	2.10
2861	Brown schist; 30% irregular quartz strgs. A little pyrite and pyrrhotite	69.7 - 72.1	2.4	Tr	Tr
2862	Do	72.1 - 75.4	3.3	Tr	Tr
2863	Do. A few specks of arsenopyrite	75.4 - 77.9	2.5	0.02	0.70
2864	Do. A little fine arsenopyrite	77.9 - 80.0	2.1	0.02	0.70

" 1/2

2865	Do. Do.	80.0 - 81.8	1.8	Tr	Tr
2866	Do. No arsenopyrite	81.8 - 85.0	3.2	Nil	Nil
2867	A little vuggy calcite with coarse arsenopyrite	104.3 - 105.0	0.7	Nil	Nil
2868	Grey banded schist with quartz and carbonate strcs (20%); a little fine pyrite and pyrrhotite	134.1 - 137.7	3.6	Nil	Nil
2869	Do.	137.7 - 141.1	3.4	Nil	Nil
2870	Porphyry - 2" coarse pyrite; pink non-metallic (?)	149.7 - 152.0	2.3	Tr	Tr

GEOLOGY

0.0 - 3.0 Casing
 3.0 - 13.5 Dark green andesite.
 13.5 - 16.5 Intrusive diorite.
 16.5 - 150.4 Andesite.
 16.5 - 32.0 - Dark green as above.
 32.0 - 46.0 - Zone of silicification and carbonatization with local mineralization. Andesite altered to a brown schist.
 46.0 - 85.0 - Silicification mostly absent but very heavily laced with quartz and a few carbonate stringers. Very brown schist.
 85.0 - 104.0 Black schist. 100.6 - 101.9 - Core ground.
 104.0 - 150.4 - Grey banded schist. Hard; a fair showing of amygdules.
 150.4 - 152.0 - Porphyry.

END OF HOLE

SLUDGE ASSAYS

0.0 - 10	0.02	0.70	80	-	90	0.02	0.70
10.0 - 20	Tr	Tr	90	-	100	Tr	Tr
20 - 30	Tr	Tr	100	-	110	Nil	Nil
30 - 40	0.14	4.90	110	-	120	Nil	Nil
40 - 50	Tr	Tr	120	-	130	Tr	Tr
50 - 60	0.04	1.40	130	-	140	0.04	1.40
60 - 70	0.02	0.70	140	-	150	Tr	Tr
70 - 80	0.02	0.70					

December 1944

DIAMOND DRILL LOG DDH No. M-26

Dip: S-35°-45°

Location: Claim K-1496 - 10' N; 12° E of No. 1 Post - Claim K-1494.

Drilled by: Smerchanski
Logged by: Corking.
X-Ray core

Dip : -50°

Sample	Description	Footage	Length	Assay Value	
				Oz/Ton	\$/Ton
2872	Andesite schist; a little pyrrhotite; chalcopyrite and arsenopyrite	11.6 - 12.6	1.0	Tr ₂	Tr
2873	4 - 5" quartz; a little pyrite; pyrrhotite; chalco; As.	27.0 - 28.0	1.0	0.02	0.70
2874	Silicified schist with a little pyrite & chalco.	31.0 - 32.3	1.3	0.04	1.40
2875	Brown schist; 80% quartz and carb str; a little pyrite and arsenopyrite	32.3 - 35.8	3.5	Tr	Tr
2876	Do. VLM	35.8 - 40.0	4.2	Tr	Tr
2877	Do. A few specks of pyrite; arsenopyrite	40.0 - 42.3	2.3	Tr	Tr
2878	Do. Almost 100% carb and silicification; pyrite; As.	42.3 - 44.2	1.9	Tr-	Tr
2879	Brown schist; 80% quartz and carbonate str; a little pyrite	44.2 - 46.3	2.1	0.04	1.40
2880	Do. VLM	46.3 - 51.3	5.0	Tr	Tr
2881	Do. A little pyr; pyrrh; chalcopyrite	51.3 - 55.0	3.7	N11	N11
2882	Do; Do;	55.0 - 56.7	1.7	N11	N11
2883	Vein quartz; Heavy pyrite; pyrrhotite; a little arsenopyrite; sphalerite; galena; chalcopyrite	56.7 - 57.4	0.7	0.12	4.20
2884	Grey schist; with many quartz threads - a little pyrite	57.4 - 58.8	1.4	Tr	Tr
2885	Contact phase; Carbonate & quartz; 20% mineralized - (pyrite; pyrrhotite; sphalerite; arsenopyrite)	58.8 - 60.5	1.7	0.02	0.70
2886	2" quartz in grey schist; VLM	109.6 - 110.5	0.9	Tr	Tr
2887	Banded andesite schist; a little fine white ars.	110.0 - 116.5	1.5	0.02	0.70
2888	5" quartz; a little pyrite; sphalerite; chalcopyrite	116.5 - 117.3	0.8	Tr	Tr
2889	Grey schist with a little pyrite	117.3 - 118.0	0.7	Tr	Tr
2890	A few 1/2" stringers near porphyry contact	131.7 - 133.5	1.8	Tr	Tr
2891	Grey porphyry. A little py and sphalerite in seams less than 1%.	140.0 - 142.2	2.2	T	Tr
2892	Do. Db.	147.3 - 149.5	2.2	Tr	Tr
2893	Amygdaloidal gneissoid schist. A few veinlets	168.3 - 169.4	1.1	0.02	0.70

GEOLOGY

0.0 - 5.0 Casing
 5.0 - 18.0 Dark green andesite schist.
 18.0 - 18.0 Intrusive diorite.
 18.0 - 182.5 Andesite schist.
 18.0 - 31.0 - Dark green andesite.
 31.0 - 60.5 - As in M25 at 32ft - 85 ft.
 60.5 - 68.0 - Black amygdaloidal andesite.
 68.0 - 182.5 - Grey gneissoid schist; fairly numerous tight stringers.
 Locally amygdaloidal.
 182.5 - 161.0 Porphyry; grey very occasional feldspar phenocrysts and little or no quartz eyes. Some mineralization and a few narrow stringers.
 161.0 - 160.0 Grey amygdaloidal, gneissoid andesite schist.
 160.0 END OF HOLE

SLUDGE ASSAYS

0	-	10	N11	N11	30	-	40	Tr	Tr
10	-	20	N11	N11	40	-	50	0.02	0.70
20	-	30	0.02	0.70	50	-	60	0.01	1.40

Return water lost.

DECEMBER, 1944.

DIAMOND DRILL LOG
MCFINLEY RED LAKE

DDH. NO. M 27.

Direction
Dip

Location.

Drilled by Smerchanski
Logged by W.P. Corking
X-Ray core.

SAMPLE NO.	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON.
2893	4" 3# sugary quartz: 2% arsenopyrite; some py, pyrr.	7.5 - 8.4	0.9	Tr	-
2894	Amygdaloidal schist. VLM	8.4 - 9.1	0.7	Tr	-
2895	QUARTZ: Smokey. 30% min/pyrrh, pyrite, sphalerite galena and at lower contact 2" heavy arsenopyrite. The sulphides are in a finely laced network	9.1-10.3	1.2	0.02	0.70
2896	Amygdaloidal schist; 2", $\frac{1}{2}$ ", $\frac{1}{8}$ " quartz. A l Min	10.3-11.6	1.3	Tr	Tr.
2897	8" quartz as in 2895, Min: 20% pyrite, 5% pyrrh	11.6-12.4	0.8	Tr	Tr
2898	Dark andesite schist. VLM. Next 13" core ground	12.4-15.1	2.7	Tr	Tr
2899	2", 4", 3" grey cherty quartz. A l py, pyrrh, ars	16.2-17.9	1.7	Tr	Tr
2900	12" lean IF: 50% vein quartz. Less than 5% pyrite, pyrrhotite and arsenopyrite	33.2-34.4	1.2	Tr	Tr
2226	Do: MIN: 2% pyrite, pyrrhotite. No arsenopyrite	37.7-38.9	1.2	Tr	Tr
2227	Lean siliceous sediment; 2% pyrite, pyrrhotite, a few specks arsenopyrite	40.8-42.0	1.2	Tr	Tr
2228	Cherty IF, including 5" quartz. A l py, pyrrh and chalcopyrite	58.5-59.6	1.1	0.02	0.70
2229	6" cherty IF: 2-5% pyrrhotite & A l pyrite	59.6-60.5	0.9	0.02	0.70
2230	Cherty IF with a little vein quartz; 2% pyrrh	77.3-78.6	1.3	0.04	1.40
2231	Cherty IF: 10% pyrrhotite, 5% pyrite	80.2-82.7	2.5	0.02	0.70
2232	Well bedded cherty IF. 2% pyrrh, traces pyrite, arsenopyrite. A little vein quartz	117.7-118.1	1.4	0.02	0.70
2233	Do Do Do	113.1-114.9	1.8	0.02	0.70
2234	Do. Including 1" quartz with coarse <u>Visible Gold</u>	114.9-115.2	0.3	4.60	161.00
2235	Iron formation as above	115.2-116.3	1.1	0.02	0.70
2236	IF as above. A little vein quartz	116.3-117.1	0.8	0.04	1.40
2237	IF as above with <u>V.G.</u> in an irregular quartzveinlet	117.1-117.5	0.4	1.22	42.70
2238	IF as above with 2" wall schist	117.5-118.3	0.8	0.04	1.40

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2239	Light grey gneissoid schisted andesite. VLM	143.9 - 145.2	1.3	Tr	Tr
2240	10" QUARTZ: other stringers. Considerable VG uniformly distributed throughout. Quartz is grey and translucent; 10% white feldspar with chlorite aureoles. MIN: 2-5% total; red and yellow sphalerite, galen, pyrite, pyrrh; possibly arsenopyrite	145.2 - 146.5	1.3	4.04	141.40
2241	Wallrock of vein. Similar to 2239. VLM	146.5 - 147.7	1.2	Tr	Tr
2242	Do. VLM	147.7 - 149.7	2.0	Tr	Tr

NOTE: Return water was lost on this hole and sludges are not available.

GEOLOGY

- 0.0 - 5.0 -- Basing
- 5.0 - 26.5 -- Grey-green amygdaloidal andesite schist. Some mineralized quartz intersections
15.1 - 16.2 -- Core ground.
- 26.5 - 31.0 -- Light grey gneissoid schist
- 31.0 - 67.3 -- Grey, green and brown amygdaloidal andesite schist. Including short iron formation sections at 33.2 - 34.4; 37.7 - 38.9; 40.8 - 42.0; 58.5 - 60.3
- 67.3 - 69.3 -- Intrusive diorite. Dark grey and fresh
- 69.3 - 72.0 -- Dark grey gneissoid andesite
- 72.0 - 74.1 -- Andesite schist
- 74.1 - 76.3 -- Intrusive diorite similar to above
- 76.3 - 77.4 -- Andesite schist
- 77.4 - 78.6 -- Cherty IF
- 78.6 - 80.2 -- Diorite as above
- 80.2 - 82.7 -- Cherty IF
- 82.7 - 87.0 -- Dark grey andesite schist
- 87.0 - 104.5 -- Light grey gneissoid schist
- 104.5 - 111.7 -- Grey andesite schist. Some amygdules.
- 111.7 - 117.7 -- Cherty IF including VG in a narrow quartz stringer
- 117.7 - 121.5 -- Grey andesite schist.
- 121.5 - 155.0 -- Light grey gneissoid andesite schist. Occasionally amygdaloidal. Including 10" quartz and other stringers with VG
- 155.0 -- End of Hole.

THE FOLLOWING CORE SAMPLES WERE ALSO TAKEN:

2279	Brown andesite schist; a few qtz veinlets. VLM	118.3 - 121.5	3.3	N11	N11
2280	Grey andesite schist. A little quartz. VLM	121.5 - 125.5	4.0	N11	N11
2281	Do.	125.5 - 130.0	4.5	N11	N11
2282	Grey andesite schist. A little quartz. VLM	130.0 - 133.0	3.0	N11	N11
2283	Do	133.0 - 136.9	3.9	N11	N11
2284	Do. More siliceous	136.9 - 138.7	1.8	N11	N11
2285	Do. Do. VLM	138.7 - 142.5	3.8	N11	N11
2286	DO.	143.6 - 145.1	1.5	N11	N11
2287	Do.	149.8 - 155.0	5.3	N11	N11

December 1944

DIAMOND DRILL LONG
MCFINLEY RED LAKE

DDH NO. M. 28.

BEARING
DIP

LOCATION

DRILLED BY Smerchanski
Logged BY W.P.Corking
X-Ray core

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
2244	Dark andesite schist. A few narrow veinlets with fair sphalerite, chalcopryrite, pyrrhotite	15.4-	16.9	1.5 Tr	Tr
2245	Siliceous sediment. A little vein quartz, 15% fine pyrrhotite veinlets some pyrite, chalcopryrite	23.1-	25.0	1.9 0.04	1.40
2246	Do Do Do	25.0-	27.0	2.0 Tr	Tr
2247	Do Do More vein quartz and more pyrite	27.0-	28.4	1.4 0.68	23.80
2248	Black amygdaloidal andesite with garnet. VLM	28.4-	29.8	1.4 Tr	Tr
2249	Do A little sphalerite	29.8-	41.1	1.3 Tr	Tr
2250	5" and 5" vein quartz with other veinlets. Fair pyrite, sphalerite, pyrrhotite, and garnets	31.1-	32.6	1.5 0.08	2.80
2251	Irregular barren chloritic quartz	32.6-	33.7	1.1 0.02	0.70
2252	Black schist with stringers and a little pyrite	33.7-	34.7	1.0 0.02	0.70
2253	Black schist with numerous veinlets and pyrite	34.7-	38.0	3.3 Tr	Tr
2254	Dark grey vein quartz. 2% pyrite, a l chalcopryrite	41.1-	41.9	0.8 0.12	4.20
2256	Siliceous porphyry. A little py pyrrh, chalco.	51.8-	55.0	3.2 Tr	Tr
2257	Do. Some quartz veinlets	55.0-	57.4	2.4 Tr	Tr
2259	Do Do	61.5-	62.6	1.1 Tr	Tr
2258	Do A few sphalerite veinlets	76.9-	79.5	2.6 0.02	0.70
2260	Porphyryas above. A little quartz and pyrite				Tr Tr

SLUDGE ASSAYS

0 - 10	Tr	Tr	50 - 60	Tr	Tr.
10 - 20	0.02	0.70	60 - 70	0.02	0.70
20 - 30	0.52	18.20	70 - 80	0.06	2.10
30 - 40	0.08	2.80	80 - 90	0.06	2.10
			90 - 105	0.04	1.40

DIAMOND DRILL LOG
MCFINLEY RED LAKE

DDH NO. M 28.

GEOLOGY

- 0.0 - 5.0 Casing
- 5.0 - 23.2 Dark grey andesite schist. Locally weakly gneissoid.
- 23.2 - 28.4 Siliceous sediments with some vein quartz. Fairly well mineralized with fine pyrrhotite, chalcopyrite and pyrite.
- 28.4 - 52.3 Black amygdaloidal andesite, locally a little gneissic.
- 52.3 - 89.6 Dark grey siliceous porphyry with characteristic pink crystals.
- 89.6 - 105.0 Gneissoid amygdaloidal andesite schist.
- 105.0 End of hole.

Direction:

Drilled by Smerchanski
 Logged by: W.P. Corking
 X-Ray Core

Dip :

No.	Description	Footage	Length	Assay Value	
				Oz/Ton	¢/Ton
2261	Dark grey andesite schist; a few qtz str; pyr;pyrrh	7.0 - 8.0	1.0	Tr	Tr
2262	Do; Fair sphalerite and a little pyrrhotite	11.8 - 12.1	0.8	Tr	Tr
2263	Do; 50% vein quartz; VLM	22.1 - 23.2	1.1	0.02	0.70
2264	Siliceous sediment; a little quartz; 15% pyrrhotite a little pyrite and traces chalcopyrite	26.8 - 28.4	1.6	0.02	0.70
2265	Do; Do; Do.	28.4 - 29.9	1.5	0.02	0.70
2266	Do. Do. Do.	29.9 - 31.5	1.6	0.02	0.70
2267	10" vein quartz with other str. The smaller ones with heavy pyrrhotite; sphalerite, chalcopyrite; gal.	31.5 - 33.7	1.2	Tr	Tr
2268	Andesite schist with a few quartz str and a little pyrrhotite	40.0 - 41.9	1.9	0.02	0.70
2269	5" barne quartz with tourmaline	67.0 - 67.5	0.5	0.02	0.70
2270	Silicification at porphyry-greenstone contact	71.6 - 73.1	1.5	Tr	Tr
2271	5" vein quartz with fair pyrite; arsenopyrite	145.5 - 146.0	(0.02)	0.70	0.5%

SLUDGE ASSAYS

0	-	10	Tr	Tr	40	-	50	0.06	2.10
10	-	20	0.12	4.20	50	-	60	Tr	Tr
20	-	30	0.30	10.50	60	-	70		
30	-	40	0.20	7.00					

GEOLOGY

0.0	-	5.0	Casing
5.0	-	26.8	Dark grey andesite schist becoming altered and brown at 23.0
26.8	-	31.5	Siliceous sediment as in M-28. Mineralization mostly pyrrhotite, with pyrite and traces chalcopyrite.
31.5	-	71.5	Black andesite schist.
71.5	-	78.0	Porphyry as in M28.
78.0	-	82.0	Brown-black andesite schist.
82.0	-	153.0	Light to medium grey gneissoid andesite schist. Locally amygdaloidal with some pillow boundaries.

153.0

END OF HOLE

December, 1944

DIAMOND DRILL LOG

DDH No. M-29

Location:

Drilled by Smerchanski
 Logged by: W.P. Corking
 X-Ray Core

Dip :

No.	Description	Footage	Assay Value		
			Length	Gr/Ton	£/Ton
2261	Dark grey andesite schist; a few qtz strcs; pyr; pyrph	7.0 - 8.0	1.0	Tr	Tr
2262	Do; Fair sphalerite and a little pyrrhotite	11.3 - 12.1	0.8	Tr	Tr
2263	Do; Do; vein quartz; VIM	22.1 - 23.2	1.1	0.02	0.70
2264	Siliceous sediment; a little quartz; 15% pyrrhotite & little py ito and traces chalcopryite	26.9 - 28.4	1.6	0.02	0.70
2265	Do; Do; Do.	28.4 - 28.9	1.5	0.02	0.70
2266	Do. Do. Do.	29.9 - 31.5	1.6	0.02	0.70
2267	10" vein quartz with other strcs. The smaller ones with heavy pyrrhotite; sphalerite, chalcopryite; gal.	31.5 - 33.7	1.2	Tr	Tr
2268	Andesite schist with a few quartz strcs and a little pyrrhotite	40.0 - 41.9	1.9	0.02	0.70
2269	5" barren quartz with tourmaline	67.0 - 67.5	0.8	0.02	0.70
2270	Silicification at porphyry-greenstone contact	71.5 - 72.1	1.5	Tr	Tr
2271	5" vein quartz with fair pyrite; arsenopyrite	145.5 - 146.0	10.02	0.70	0.5'Y

SLUDGE ASSAYS

0	-	10	Tr	Tr	40	-	50	0.06	2.10
10	-	20	0.12	4.20	50	-	60	Tr	Tr
20	-	30	0.30	10.50	60	-	70		
30	-	40	0.20	7.00					

GEOLOGY

0.0	-	5.0	Casing
5.0	-	26.8	Dark grey andesite schist becoming altered and brown at 23.0
26.8	-	31.5	Siliceous sediment as in M-28. Mineralization mostly pyrrhotite, with pyrite and traces chalcopryite.
31.5	-	71.5	Black andesite schist.
71.5	-	78.0	Porphyry as in M28.
78.0	-	82.0	Brown-black andesite schist.
82.0	-	153.0	Light to medium grey gneissoid andesite schist. Locally amygdaloidal with some pillow boundaries.

153.0

END OF HOLE

DIAMOND DRILL LOG

DDH No M30

March 1945

COPIELRY RED LAKE GOLD MINES LTD

Dip -50°
Bearing S 40°35 ELocation: WP I K1494 plus
299' @ S 82°15 W
Long IslandDrilled by ANFOED DD Co
Logged by W.P. Corking

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4284	Brown andesite schist; some quartz-carb. VLM	61.0 - 62.6	1.6	0.01	0.35
4285	6" quartz-carb & 8" calcite. A little py in walls	62.6 - 64.6	2.0	Tr	Tr
4286	60% quartz-calcite str. A little py & traces of arsenopyrite and sphalerite	64.6 - 66.8	2.2	Tr	Tr
4287	Brown andes schist with a few veinlets VLM	66.8 - 68.5	1.7	0.01	0.35
4288	Gneissoid biotite-chlorite schist. VLM	68.5 - 72.3	3.8	0.02	0.70
4289	60% carbonate str with a little pyrite	72.3 - 74.1	1.8	0.01	0.35
4290	Brown andes schist; 40% qtz & carb str. Some py, pyrrh	74.1 - 78.1	4.0	Tr	Tr
4291	Bi-chlorite schist with a few veinlets. Some py, pyrrh	78.1 - 80.7	2.0	0.01	0.35
4292	Bi-chl schist VLM	97.0 - 98.6	1.6	0.01	0.35
4293	3" quartz-carb. A little py, pyrrh, traces fine sphalerite	98.6 - 99.0	0.4	0.01	0.35
4294	Bi-chl schist; a little pyrite, pyrrhotite-	99.0 - 101.3	2.3	Tr	Tr
4295	60% quartz; 5% combined pyrite & pyrrhotite	101.3 - 101.7	0.4	0.01	0.35
4296	Bi-chl schist; a little pyrite, pyrrhotite	101.7 - 102.7	1.0	0.01	0.35
4297	Do. becoming brown-altered; 1% qtz str & garnet a little pyrite, pyrrhotite	102.7 - 104.2	1.5	0.02	0.70
4298	5" banded quartz. A little pyrite, traces sphalerite, and some garnet	104.2 - 104.8	0.6	0.21	7.35
4299	Brown andesite schist; 1 1/2" quartz & veinlets. Py	104.8 - 106.2	1.4	0.02	0.70
4300	40% quartz with some carbonate. A little py, pyrrh	106.2 - 107.6	1.4	0.01	0.35
4301	Brown andes schist with locally bi-chl schist. A little quartz with pyrite, pyrrhotite	107.6 - 109.9	2.3	0.01	0.35
4302	30% quartz with 20% mineralization: - py, pyrrh, coarse arsenopyrite. Appearance same as vein at collar M27	109.9 - 110.9	1.0	0.29	10.15
4303	Brown andesite schist with a little quartz	110.9 - 112.5	1.6	Tr	Tr
4304	11" quartz with chlorite; 17" almost pure silicification. Pyrrh pyrit, pyrrhotite, traces arsenopyrite	112.5 - 115.0	2.5	0.04	1.40

SAMPLE NO	DESCRIPTION	FOOTAGE	LENGTH	ASSAY VALUE	
4305	Grey-brown andes schist; some qtz-carb. py, pyrrh	115.0 - 116.2	1.2	0.02	0.70
4306	Grey-brown andes schist; a little qtz-carb. Some pyrite, pyrrhotite, traces chalcopryrite	116.2 - 117.6	1.4	Tr	Tr
4307	5" banded quartz with other str. FVM py, pyrrh	117.6 - 118.7	1.1	Tr	Tr
4308	Grey-brown andes schist; a few qtz-carb str; py,pyrr	118.7 - 124.0	5.3	0.04	1.40
4309	Do.	124.0 - 129.1	5.1	0.01	0.35
4310	Do.	129.1 - 131.6	2.6	Tr	Tr
4311	Grey-brown andes schist; a few str. VLM	131.7 - 139.7	2.0	0.02	0.70
4312	Do.; 2", 3", 4" quartz-carb. VLM	139.7 - 141.6	1.9	0.01	0.35
4313	Grey-brown andes schist. A little qtz-carb. VLM	141.6 - 144.7	3.1	0.01	0.35
4314	6", 4" quartz. FVM py, pyrrh; traces chalco, sphal.	144.7 - 146.4	1.7	0.03	1.05
4315	2", 2" quartz with chlorite; a little pyrr, py, sph.	151.2 - 152.2	1.0	Tr	Tr
4316	30% quartz-carb. A little pyrite, pyrrhotite	154.8 - 155.5	0.7	Tr	Tr
4317	Grey-brown andes schist. A few greenish qtz str	155.5 - 158.0	2.5	0.01	0.35
4318	Do. 50% irregular greenish quartz.	158.0 - 159.2	1.2	0.01	0.35
4319	Mostly resinous quartz with chlorite, traces of fine py, chalco, sphalerite, arsenopyrite. Appearance similar to the vein at bottom of M27	159.2 - 160.9	1.7	0.01	0.35
4320	Grey-green andesite schist. A little pyrite, pyrrh	160.9 - 165.7	4.8	Tr	Tr
4321	Do. 2", 2" concentrations of pyrite, arsenopyrite	165.7 - 166.7	1.0	0.19	6.65
4322	20% quartz-carbonate; a little py, pyrrh, arseno	174.8 - 177.2 -	2.4	0.01	0.35
4323	10% quartz-carb in grey-green andes schist with garnet. FVM pyrrh, some py, traces arsenopyrite	177.2 - 179.7	2.5	0.04	1.40
4324	Grey-green andes schist with garnet; py, pyrrh	179.7 - 181.4	1.7	0.02	0.70
4325	Dark grey andes schist. A few qtz-carb str,	181.4 - 185.6	4.2	0.02	0.70
4326	Do. A little translucent quartz. locally py, pyrrh chalcopryrite and garnet	185.6 - 189.0	3.4	0.01	0.35
4327	Do. A few str, FVM fine pyrite, pyrrhotite	189.0 - 191.0	2.0	0.01	0.35
4328	90% quartz-carbonate. Traces py pyrrh, arsenopyrite	191.0 - 193.5	2.5	Tr	Tr
4329	Grey andes schist; 5-10% qtz-carb; py, pyrrh, arseno	193.5 - 195.8	2.3	0.02	0.70

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SAMPLE NO	DESCRIPTION	FOOTAGE	LENGTH	ASSAY	VALUE
4330	4" quartz with other str. Traces py, pyrrh, arsenop.	195.8 - 196.6	0.8	Tr	Tr
4331	Grey andes schist; a few str. A number of small blue quartz eyes indicate rock may be dacite. FWM pyrite, pyrrhotite, a little arsenopyrite	196.6 - 198.3	1.7	0.01	0.35
4332	70% irregular quartz with a little carb. in dacite schist, A fair sprinkling py, pyrrh, arsenopyrite	198.3 - 200.3	2.0	0.01	0.35
4333	Do	200.3 - 202.3	2.0	0.02	0.70
4334	Dacite schist with a few str. A little py, pyrrh	202.3 - 203.6	1.3	Tr	Tr
4335	5" quartz with other stringers. A little py, pyrrh	203.6 - 204.3	0.7	Tr	Tr
4336	Brown andes schist. A few str. FWM py, pyrrh, arsen	204.3 - 205.3	1.0	0.01	0.35
4337	30% cherty quartz. FWM py, pyrrh, arseno. & locally a little very fine massive arsenopyrite	205.3 - 206.9	1.6	Tr	Tr
4338	90% vein quartz. A little py, pyrrh with fair fine arsenopyrite, traces scheelite. Dacitic flow	206.9 - 209.2	2.3	0.01	0.35
4339	Do	209.2 - 210.9	1.7	0.01	0.35
4340	Grey andes schist with 30% quartz-carb str. FWM py pyrrhotite, a little arsenopyrite	210.9 - 212.3	1.4	0.01	0.35
4341	Irregular carbonate schist (90%) with some brecciation. Some pyrite, pyrrhotite. Traces arsenopyrite	216.9 - 218.5	1.6	0.03	1.05
4342	Silicification with carbonate. FWM pyrite, pyrrh, with fine arsenopyrite and sphalerite. (Sediment?)	218.5 - 219.2	0.7	0.01	0.35
4343	Carbonate schist as in 4341. FWM py, pyrrh, arseno	219.2 - 220.7	1.5	Tr	Tr
4344	Do. Dacitic	220.7 - 222.8	2.1	0.02	0.70
4345	Do.	222.8 - 224.7	1.9	0.01	0.35
4346	Do. More arsenopyrite. 4-5" diorite dike	224.7 - 226.0	1.3	0.01	0.35
4347	As above, but with considerably less stringers	226.0 - 228.6	2.6	Tr	Tr
4348	Mostly carbonate trs with 8" massive carbonate, A little quartz, some py, pyrrh, traces arseno	230.2 - 232.5	2.3	Tr	Tr
4349	90% carb str (Carb schist) as in 4345. FWM pyrite, arsenopyrite, some very fine & massive	232.5 - 233.8	1.3	0.01	0.35
4350	Do	233.8 - 235.3	1.5	0.01	0.35
4351					

SAMPLE NO	DESCRIPTION	FOOTAGE	LENGTH	ASSAY	VALUE
4351	Well brecciated quartz with slickensided slip planes The whole very heavily mineralized with arsenopyrite chalcopyrite and some pyrite. Lively looking	235.3 - 236.6	1.3	0.05	1.75
4352	Brown andesite schist. FWM	236.6 - 237.5	0.9m	0.01	0.35
4353	Quartz-carbonate. VWM pyrite, arsenopyrite 1.8" ground in the run ending here.	237.5 - 238.6	1.1	0.02	0.70
4354	Do	240.4 - 242.6	2.2	0.01	0.35
4355	Brown andes schist. A few veinlets; some py, arseno	242.6 - 244.2	1.6	0.01	0.35
4356	Mostly vein quartz. VWM pyrite, fine and coarse ars.	254.7 - 255.5	0.8	Tr	Tr
4357	Brown andes schist. A few qtz str. FWM py, pyrhh, As	255.5 - 257.8	2.3	0.02	0.70
4358	Do. Not so much quartz. Some garnet	257.8 - 259.4	1.6	0.01	0.35
4428	Blue andesite; a few qtz-carb str	333.6 - 337.1	3.5		
4429	Brown andes schist; 10-15% qtz-carb. A little py, pyr	337.1 - 340.9	3.8		
4430	Gneissoid andes schist; a few qtz-carb str	340.9 - 344.3	3.4		
4431	Do	344.3 - 345.5	1.2		
4432	30% vein quartz. Brecciate, dull grey. VWM pyrite, pyrrhotite, arsenopyrite, sphalerite, galena, chalc	345.5 - 346.5	1.0		
4433	Gneissoid andes schist. A few veinlets to $\frac{1}{2}$ "	346.5 - 348.9	2.4		
4434	Gneissoid andes schist. Silicified; a few carb str	353.5 - 355.7	2.2		

SLUDGE SAMPLES

ALL RETURN WATER LOST ON THIS HOLE.

GEOLOGY

- 0.0 - 5.0 -- casing stick-up above lake level
5.0 - 61.0 -- casing to rock, including casing core.
61.0 - 78.0 -- Brown andesite schist with much clear calcite and fair quartz-carbonate
in veins and stringers. Not much mineralization
78.0 - 85.1 -- Biotite-chlorite schist (gneissoid) with a few quartz veinlets.
85.1 - 87.5 -- Younger intrusive diorite
87.5 - 102.9 -- Green biotite-chlorite schist derived from andesite-- not gneissoid
102.9 - 112.0 -- Brown andesite schist with quartz veins and stringers fairly well mineralized
and with garnet developed in the walls near the quartz.
112.0 - 212.2 -- Grey-brown andesite schist with quartz and carbonate stringers and veins
up to 190', then a great deal of quartz and carbonate which continues to 242'
NOTE: Blue quartz eyes in the flow in several places indicate a dacitic
composition

MCFINLEY RED LAKE GOLD MINES LTD

GEOLOGY CONTINUED

- 212.2 - 216.9 -- Younger intrusive diorite showing orbicular texture
- 216.9 - 224.8 -- Grey rock shot with 95% carbonate and quartz veinlets with some signs of brecciation. Fairly well mineralized.
- 224.8 - 225.2 -- Younger intrusive diorite
- 225.2 - 228.6 -- Grey carbonate schist as above
- 228.6 - 230.3 -- Younger intrusive diorite
- 230.3 - 243.0 -- Grey carbonate schist as above
- 243.0 - 283.0 -- Brown andesite schist with a few stringers. Some garnet
- 283.0 - 333.0 -- Rapid transition to a massive blue-green andesite with occasional brown altered sections and locally some stringers.
- 333.0 - 340.6 -- Brown andesite schist
- 340.6 - 372.2 -- Gneissoid andesite schist
- 372.2 -- End of Hole.

NOTE: The absence of sediments in this hole and the lack of the gold bearing sediment in ~~XXXXXXXXXX~~ DDH No M17 would indicate a tight fold, synclinal in attitude and with both limbs dipping westward such that the previous drilling at this location passed through both limbs.

March, 1945

DIAMOND DRILL LOG

DDH No M81

MCFINLEY RED LAKE GOLD MINES LTD

Bearing
Dip -46°

Location

Drilled by Anjoed DD Co.
Logged by W.P.Corking

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
4435	Grey-green andesite schist. Well carbonatized. A little pyrite, pyrrhotite	194. - 21.6	2.2	Tr	Tr
4436	Do	21.6 - 26.6	5.0	N11	N11
4437	Do. A little cherty quartz. Some pyrite, pyrrh.	26.6 - 29.8	3.2	N11	N11
4438	Green andesite schist. A little pyrite, pyrrh	29.8 - 33.6	3.8	0.01	0.35
4439	Do	33.6 - 37.5	3.9	Tr	Tr
4440	Do. Including 1" quartz with chalcopyrite	37.5 - 40.1	2.6	Tr	Tr
4441	Siliceous iron formation; 15% vein quartz. FVM pyrite, pyrrhotite	40.1 - 41.5	1.4	0.04	1.40
4442	Grey andesite schist; a few quartz stringers with some pyrite	41.5 - 44.3	2.8	0.01	0.35
4443	Siliceous sediment with carbonate stringers. A little quartz. FVM pyrite, pyrrhotite	44.3 - 46.1	1.8	Tr	Tr
4444	Grey-green andesite schist with some sediment (?) FVM pyrite, pyrrhotite and a few stringers	46.1 - 48.0	1.9	Tr	Tr
4445	Gneissoid andesite schist with some local brown alteration. 1% quartz. VLM	51.8 - 56.0	4.2	0.01	0.35
4446	Siliceous sediment with a little quartz. VWM pyrite and pyrrhotite	56.0 - 57.4	1.4	0.01	0.35
4447	Grey andesite schist	64.4 - 66.9	2.5	Tr	Tr
4448	Iron formation with 10% quartz stringers. VWM	66.9 - 68.3	1.4	N11	N11
4449	1", 2" quartz with a little pyrite	78.4 - 79.2	0.8	Tr	Tr
4450	4" siliceous iron formation. VWM py, pyrrh	81.4 - 82.1	0.7	Tr	Tr
4451	Younger intrusive diorite	82.1 - 84.3	1.8	Tr	Tr
4452	Siliceous iron. VWM pyrite, pyrrhotite some arsenopyrite. 5% quartz stringers	84.3 - 86.5	2.2	Tr	Tr
4453	Do. Very little quartz and not so much sulphides but a little chalcopyrite	86.5 - 89.0	2.5	Tr	Tr
4454	Younger intrusive diorite	89.0 - 91.4	2.4	Tr	Tr

4455	Iron formation. VWM pyrite, pyrrhotite, a little sphalerite, galena, arsenopyrite. 10% quartz	91.4 - 94.3	2.8	0.02	0.70
4456	Younger intrusive diorite	94.3 - 96.1	1.8	0.01	0.35
4457	8" iron formation with brown andesite schist. Some quartz, and py, pyrrh, sphalerite, arseno	96.1 - 97.5	1.4	0.01	0.35
4458	Brown andesite schist, a few stringers. A little py and arsenopyrite	97.5 - 100.4	2.9	Nil	Nil

GEOLOGY

- 0.0 - 16.0 -- Casing
- 16.0 - 40.1 -- Carbonatized green-black andesite schist with some amygdules.
- 40.1 - 41.1 -- Siliceous iron formation with some vein quartz. Well mineralized
- 41.1 - 45.2 -- Grey-brown andesite schist
- 45.2 - 45.8 -- Iron formation with some quartz. Well mineralized
- 45.8 - 54.0 -- Somewhat gneissoid andesite schist. Grey
- 54.0 - 56.1 -- Brown andesite schist
- 56.1 - 57.0 -- Siliceous sediment. Well mineralized.
- 57.0 - 66.9 -- Grey amygdaloidal andesite schist
- 66.9 - 68.3 -- Iron formation with some vein quartz. Well mineralized
- 68.3 - 81.3 -- Grey amygdaloidal andesite schist becoming slightly brown altered.
- 81.3 - 81.6 -- Siliceous iron formation
- 81.6 - 84.5 -- Younger intrusive diorite
- 84.5 - 89.0 -- Siliceous iron formation
- 89.0 - 91.5 -- Younger intrusive diorite
- 91.5 - 94.2 -- Siliceous iron formation
- 94.2 - 96.1 -- Younger intrusive diorite
- 96.1 - 96.7 -- Siliceous iron formation
- 96.7 - 101.3 -- Brown andesite schist
- 101.3 - 105.0 -- Grey-green andesite schist
- 105.0 -- End of Hole

NOTE: This hole, drilled from the ice near shore, was collared to intersect the quartz vein near the collar of Hole M27 et al, but the overburden proved deeper than expected and the hole probably passed over the top of it. Further the hole had to be abandoned prematurely due to falling ice.

XXX

SLUDGE SAMPLES

20 - 30	--	0.03	1.05	60 - 70	--	0.01	0.35
30 - 40	--	0.01	0.35	70 - 80	--	0.02	0.70
40 - 50	--	Tr	Tr	80 - 95	--	0.04	1.40
50 - 60	--	Tr	Tr	95 - 105	--	0.03	1.05

June 1945

DIAMOND DRILL LOG
MCFINLEY RED LAKE GOLD MINES LTD

DIH No M32

Boring
Dip

-40°

Location

Drilled by Labine
Logged by W.P. Corking

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/Ton
6104	Grey andesite schist; 10% qtz-carb strs with a little pyrite	16.0 - 19.1	3.1	0.01	0.35
6105	Grey andes schist; 10% irregular qtz-carb strs. A little pyrite	21.3 - 24.3	3.0	Tr	Tr
6106	Zone of weak alteration at pillow edge? with a little quartz; 10% py. pyrrh	54.5 - 56.8	2.3	Tr	Tr
6107	4" barren glassy quartz-tourmaline	113.6 - 115.4	1.8	Tr	Tr
6108	1" quartz, a little pyrite, sphalerite and traces of chalcopryite	115.4 - 116.0	0.6	0.01	0.35
6109	Hard andesite; 5% qtz; a little py, chalcopryite; a speck or so arsenopyrite	128.4 - 130.2	2.8	Tr	Tr
6110	4" greasy quartz. A l py, pyrrh, chalco	133.1 - 133.8	0.7	Tr	Tr
6111	2" barren quartz	136.9 - 137.5	0.6	Tr	Tr
6112	Brown andes schist; 20% carb strs to $\frac{1}{8}$ ", VWM very finely disseminated py, pyrrh	144.4 - 148.5	4.1	0.01	0.35
6113	Siliceous sediment; 40% py, pyrrh & a little sphalerite	148.5 - 150.1	1.6	0.09	3.15
6114	Do. Also traces of galena	150.1 - 151.4	1.3	0.01	0.35
6115	Do. Mineralization mostly pyrrhotite	151.4 - 152.9	1.5	Tr	Tr
6116	Do. Traces of chalcopryite	152.9 - 154.9	2.0	Nil	Nil
6117	Brown andesite schist. Traces arseno.	154.9 - 157.6	2.7	0.04	1.40
6118	Graphitic black sediment; 2% carbonates veinlets; 10% pyrrh, 5% pyrite. Some of the coarser pyrite has a rim or necklace of small pyrite cubes. Traces of sphalerite	167.0 - 169.6	2.6	Tr	Tr
6119	Do. About 5% pyrrhotite and a little py	169.6 - 172.9	3.3	0.02	0.
6120	Do. Combined py, pyrrh - 5%. A l ZnS	172.9 - 174.8	1.9	Tr	Tr
6121	Do. 5% pyrrh, a little py, traces chalco	174.8 - 177.3	2.5	0.01	0.
6122	Do. 2% pyrrh, traces chalco, arseno	177.3 - 179.6	2.3	Nil	Nil

663

6123	Highly altered grey lava (Y) V&M pyrite, pyrrhotite, a little arsenopyrite and a mauve-yellow nodular silicate giving a characteristic appearance	179.6 - 182.6	3.0	0.01	0.35
6124	Green flow with 4" barren quartz	182.6 - 184.4	1.8	0.01	0.35
6125	Vein quartz; milky. V&M	218.6 - 221.5	2.9	Tr	Tr
6126	Green lava, 1" quartz	221.5 - 222.9	1.4	Tr	Tr
6127	10" vein quartz. Milky. V&M	222.9 - 223.9	1.0	Tr	Tr
6128	10"; 10" milky quartz-chlorite. V&M	225.3 - 227.0	2.3	0.01	0.35
6129	10" milky quartz-chlorite. V&M	228.2 - 232.6	2.4	0.01	0.35
6130	4" milky quartz. A little coarse arseno.	234.4 - 235.1	0.7	Tr	Tr
6131	6", 4" quartz. A little py, arseno. chalc	240.7 - 242.4	1.7	Tr	Tr
6132	Coarse andesite; 10% irregular quartz; a little pyrite, pyrrhotite	278.2 - 280.9	2.7		
6133	Brown andesite schist; 10% carb strs, a little pyrite; 2% chalcopyrite	287.5 - 289.2	1.7	0.01	0.35
6134	Do. 40% carbonate strs. A little chalc	289.2 - 291.2	1.9	Tr	Tr
6135	Do. V&M and no carbonate stringers				
6136	Do. 1", 5", $\frac{1}{2}$ " carb strs. A l. py, pyrrh	292.8 - 295.6	2.8	Tr	Tr
6137	2" quartz carbonate. V&M ZnS, PbS, Chalc	360.8 - 361.3	0.5	Tr	Tr
6138	Possibly sediment. F&M py, pyrrh, some qtz	377.7 - 379.3	1.6	0.01	0.35
6139	5% vein carbonate. V&M	409.8 - 412.3	2.5	Tr	Tr
6140	Pale green altered coarse andesite or sill, 10% carb strs. Traces of sphalerite but V&M Also a little galena	438.2 - 440.7	2.5	Tr	Tr
6141	Masive vein quartz-carbonate. V&M	440.7 - 441.4	0.7	Tr	Tr
6142	Pale green lava as above. A few strs. V&M	441.4 - 443.3	1.9	0.01	0.35
6143	Brown altered lava. 50% quartz-carb. V&M	443.3 - 445.4	2.1	0.01	0.35
6144	Do	445.4 - 448.1	2.7	Tr	Tr
6145	Green-brown lava; 30-40% replacement carb	448.1 - 451.5	3.4	Tr	Tr

DDH No	Description	Interval (m)	Depth (m)	Grade (%)	Notes
6146	Brown schist; 30% barren carbonate.	464.4 - 466.1	1.7	Nil	Nil
6147	Do. A little garnet.	466.1 - 468.6	2.5	Nil	Nil
6148	18" quartz with a little carb. in garnet schist. A little galena, sphalerite	468.6 - 470.6	2.0	0.01	0.35
6149	Brown schist with garnet. A little carb	470.6 - 472.9	2.3	0.01	0.35
6150	Banded schist. PGM py, pyrrh. Possibly sediment. A little chalcopryrite	497.8 - 499.4	1.6	0.04	1.40
6151	Andesite schist, a little py, pyrrh, chalc	513.9 - 516.5	2.6	0.01	0.35
6152	6" glassy quartz VIM	529.6 - 530.6	1.0	Tr	Tr
6153	Green andesite schist with a few strcs to 1". A small % of arsenopyrite	543.2 - 545.4	2.2	0.01	0.35
6154	Biotite-chlorite schist, A little fine As	545.4 - 550.4	5.0	Tr	Tr
6155	Green andesite schist. A little arseno	550.4 - 551.9	1.5	Tr	Tr
6156	Grey andesite schist, 8" porphyry. Some fine garnet & 5% threads. 5% py, 5% pyrrh, 15-20% fine arsenopyrite blobs	551.9 - 554.3	2.4	0.01	0.35
6157	11" vein quartz in porphyry. Dark and smokey. Heavily mineralized with coarse arsenopyrite. A little py, pyrrh, chalc and galena	554.3 - 555.6	1.3	Tr	Tr
6158	Lean banded IF, a little py, pyrrhotite	574.7 - 576.4	1.7	Tr	Tr
6159	Brown andes schist, with a few threads	576.4 - 579.8	3.4	0.01	0.35
6160	5" quartz with a little pyrite	579.8 - 580.4	0.6	Nil	Nil
6161	Brown andes schist VIM	580.4 - 582.7	2.3	Nil	Nil
6162	Banded IF and tuffs. A little quartz. VIM pyrite, pyrrhotite	582.7 - 585.6	2.9	0.01	0.35
6163	Brown andesite schist; 1", 8", 3", 2" quartz-carbonate. traces of pyrite	573.1 - 576.3	3.2	0.01	0.35
6164	Grey-brown andes schist; 40% qtz-carb. VIM	612.1 - 614.6	2.5	Tr	Tr
6165	Do	614.6 - 617.0	2.4	0.01	0.35
6166	Grey gneissoid andes. A few qtz strcs VIM	623.2 - 625.0	1.8	Tr	Tr
6167	Do. 60% quartz strcs. VIM	625.0 - 628.0	3.0	0.01	0.35
6168	Andesite schist. A little quartz. VIM	628.0 - 629.6	1.6	0.01	0.35

DIAMOND DRILL LOG
MCFINLEY RED LAKE GOLD MINES

DDH M 32

6169	Banded grey IF. A little py, pyrhh	647.0 - 650.3	3.3	Tr	Tr
6170	Do. Also a little quartz	650.3 - 654.6	4.3	0.02	0.70
6171	Porphyry; a little sphalerite and a little quartz in 1/2" stringers	664.8 - 667.8	3.0	0.01	0.35
6172	Highly altered andesite schist. Many KMX threads. VIM	672.3 - 677.6	5.3	0.01	0.35
6173	Do	677.6 - 683.0	5.4	Tr	Tr
6174	Do	683.0 - 685.8	2.8	0.06	2.10
6175	Do. only a few stringers	685.8 - 688.2	2.4	0.02	0.70
6301	Brown andesite schist; 5% qtz-carb str	714.8 - 718.0	3.2	Tr	Tr
6302	Gneissoid andes schist; a few qtz-carb str up to 1"; a l. py, pyrhh, sphalerite	751.1753.3	2.2	0.02	0.70
6303	Do. Traces also of arsenopyrite	758.6 - 762.6	4.0	0.02	0.70
6304	Do	764.9 - 767.0	2.1	Tr	Tr
6305	Grey andes schist. A little py, pyrhh & some quartz-carb str.	780.1 - 783.3	3.2	Tr	Tr
6306	5" blue vein quartz with carbonate str heavily mineralized - py, pyrhh, sphalerite, galena, and arsenopyrite	783.3 - 784.4	1.1	0.02	0.70
6307	Grey gneissoid andes schist with a few stringers with pyrite, pyrrhotite	784.4 - 788.3	3.9	Tr	Tr

SLUDGE SAMPLES

16 - 30	Nil	Nil	140 - 150	0.01	0.35
30 - 40	Nil	Nil	150 - 160	0.01	0.35
40 - 50	Nil	Nil	160 - 170	0.01	0.35
50 - 60	Tr	Tr	170 - 180	0.01	0.35
60 - 70	Nil	Nil	180 - 190	0.01	0.35
70 - 80	Nil	Nil	190 - 200	Nil	Nil
80 - 90	Tr	Tr	200 - 210	Nil	Nil
90 - 100	Tr	Tr	210 - 220	Nil	Nil
100 - 110	Tr	Tr	220 - 230	Nil	Nil
110 - 120	Nil	Nil	230 - 240	Tr	Tr
120 - 130	Nil	Nil	240 - 2505	?	
130 - 140	0.01	0.35			

GEOLOGY

- 0.0 - 16.0 -- Casing
 16.0 - 144.0 -- Grey andesite. Somewhat siliceous and massive. Pillowed
 16.0 - 24.0 -- A few quartz-carbonate stringers; traces pyrite
 144.0 - 148.6 -- Andesite altered to cinnamon brown colour
 148.6 - 154.9 -- Siliceous tuffaceous sediment. Contorted somewhat and
 highly mineralized, mostly with pyrite, with some pyrrh-
 hotite and a little sphalerite.
 154.9 - 158.0 -- Brown altered andesite as above the sediments.
 158.0 - 167.0 -- Typical gneissoid andesite, becoming gradually brown altered
 at the lower contact
 167.0 - 179.8 -- Black slaty carbonaceous sediment similar to the band
 at Porfamao. Fairly well mineralized.
 179.8 - 181.5 -- Highly altered and mineralized grey rock, probably a lava
 and grading into the following.
 181.5 - 516.1 -- Coarse grey-green rock, probably andesitic lava, but
 possibly a sill. Some amygdulose. (Kaymac?)
 185.0 - 187.3 -- Younger intrusive diorite
 218.0 - 240.0 -- Many barren glassy quartz stringers.
 268.0 - 295.0 -- Zone of brown alteration with some carbonate
 410.0 - 445.0 --- slow alteration to a pale green colour.
 445.0 - 450.0 -- Brown alteration and much carbonate with
 a little quartz.
 450.0 - 462.0 -- Pale green alteration (Serpentine ?)
 462.0 - 477.0 -- Brown alteration with garnets and stringers
 of quartz & quartz-carbonate. A little
 sulphide mineralization.
 477.0 - 485.0 -- Pale green alteration.
 516.1 - 543.6 -- Putty coloured quartz-feldspar porphyry; quite massive
 with a little locally disseminated pyrite. Perhaps 1%
 of a yellow mineral, possibly scheelite.
 543.6 - 553.3 -- Green andesite as above. A zone of fine granular arsenopyrite
 mineralization leading up to a quartz vein at 555'
 553.3 - 555.2 -- Porphyry (?) with quartz vein.
 555.2 - 555.7 -- Andesite
 555.7 - 562.2 -- Coarse amphibolite or possibly diorite, (altered)
 562.2 - 574.8 -- Dark green andesite, fairly well carbonatized, but VLM
 574.8 - 576.3 -- Banded iron formation.
 576.3 - 582.8 -- Brown andesite schist
 582.8 - 585.5 -- Banded iron formation and tuffs.
 585.5 - 609.0 -- Brown andesite schist
 609.0 - 647.0 -- Grading into grey altered andesite schist, somewhat gneiss'd
 647.0 - 654.6 -- Banded iron formation.
 654.6 - 664.9 -- Grey-green gneissoid, moderately altered andesite schist
 with some silicification and quartz-carbonate threads.
 664.9 - 668.0 -- Massive sericitic porphyry with no phenocrysts.
 668.0 - 713.0 -- Grey gneissoid andesite schist
 713.0 - 717.0 -- Brown andesite schist with a few stringers.
 717.0 - 789.8 -- Grey gneissoid andesite schist
 789.8 - 791.5 -- Younger intrusive diorite
 797.5 -- End of Hole.

June 1945

Dip -45°
BearingDIAMOND DRILL LOG
MCFINLEY RED LAKE GOLD MINES LTD

DDH No. M33

Location

Drilled by Anjoed
Logged by W.P. Corkin

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	VALUE \$/TON
6057	Mainly black slatey sediment; 2% py pyrrh	82.9 - 86.3	3.6	Tr	Tr
6058	Intensive diorite	86.3 - 87.3	1.0	Tr	Tr
6059	Slatey sediment. A little quartz; 1% py	87.3 - 90.5	3.2	Tr	Tr
6060	Do. 6" silicification with more pyrrh	90.5 - 91.5	1.0	Tr	Tr
6061	Slatey sed. with qtz strs at lower contact and a little pyrrhotite	91.5 - 92.8	1.3	Tr	Tr
6062	Cherty Iron formation. a little quartz and some garnet. Traces of pyrrhotite	92.8 - 96.7	3.9	0.08	0.70
6063	Cherty IF VIM	96.7 - 101.5	4.8	0.01	0.35
6064	Do. 4" quartz with a little pyrite, pyrrh	101.5 - 103.4	1.9	Tr	Tr
6065	Siliceous tuffs VIM	103.4 - 106.3	2.9	Tr	Tr
6066	12" tuffs with a little pyrite, arseno; 12" quartz-carb vein matter in altered lava with 1% arsenopyrite	106.3 - 108.3	2.0	Tr	Tr
6067	Highly altered buff lava (?); 30% quartz-feldspar vein matter. Traces arsenopyrite	108.3 - 109.1	1.8	Tr	Tr
6068	Do. Traces arsenopyrite, pyrite, pyrrh, chalcopyrite and sphalerite	109.1 - 111.9	1.8	Tr	Tr
6069	Do. Traces arsenopyrite, pyrite, pyrrh	111.9 - 114.5	2.6	Tr	Tr
6070	Do	114.5 - 117.8	3.3	Tr	Tr
6071	Do. But with green, not brown alteration and 4" white quartz. Traces pyrite, arseno	117.8 - 119.4	1.6	Tr	Tr
6072	Disturbed green andesite; a l py, pyrrh	119.4 - 122.0	2.6	Tr	Tr
6073	Do. A few resinous quartz strs with a little pyrite, pyrrhotite, sphalerite	122.0 - 126.7	3.1	Tr	Tr
6074	Dark grey siliceous IF (?). A l. py, pyrrh and chalcopyrite	126.7 - 130.7	4.0	Tr	Tr
6075	Siliceous andesite. A little pyrite	130.7 - 132.6	1.9	Tr	Tr
6076	Do. A little quartz	132.6 - 134.1	1.5	Tr	Tr
6077	Siliceous IF. Poor mineralization	134.1 - 136.1	2.0	Tr	Tr

6078	Tuffs with 10% quartz strs to 3". FWM py, pyrrhotite	120.1 - 121.7	1.6	Tr	Tr
6079	Do. No quartz. A little pyrite, arseno	121.7 - 123.2	1.5	Tr	Tr
6080	Brown andesite schist. Al. Py, pyrrh	123.2 - 126.2	3.0	Tr	Tr
6081	8" white quartz. A little marcasite	157.3 - 138.6	1.3	Tr	Tr
6082	Brown andes schist; 5% qutz-carb strs VIM	161.0 - 163.5	1.5	Tr	Tr
6083	Do.	162.5 - 165.3	1.8	Tr	Tr
6084	Do.	165.3 - 167.5	2.2	Tr	Tr
6085X	Green andes schist; 15% cherty quartz in two compact sections. A little pyrite, pyrrhotite and chalcopyrite	174.3 - 176.9	2.6	Tr	Tr
6086	4" sil cification with py, pyrrh, arseno	208.0 - 208.9	0.9	0.010	0.35
6087	A few carb strs in brown andes schist.VIM	212.5 - 214.5	2.0	Tr	Tr
6088	IF, 10% quartz stringers, 5% py, pyrrh, galena and a little fine arsenopyrite	214.5 - 215.5	1.0	0.01	0.35
6089	IF; 4-6" quartz-carb; 2% arsenopyrite, 5% pyrite-pyrrhotite	215.5 - 216.9	1.4	Tr	Tr
6090	Dark andesite or tuffs. A little pyrite	216.9 - 219.2	2.3	Tr	Tr
6091	Do. With garnet; 5", $\frac{1}{2}$ ", 2" quartz with a little carbonate. FWM py, pyrrh, coarse As	219.2 - 221.0	2.0	0.01	0.35
6092	Do. with garnet; 2" heavy coarse arsenopy Also $\frac{1}{2}$ " quartz; pyrite, pyrrh, sphalerite	221.2 - 222.1	0.9	0.09	3.15
6093	Andesite with some garnet. A few carb strs	222.1 - 223.4	1.3	0.01	0.35
6094	IF; 50% grey quartz; 5% py, 2% pyrrh, 1% sphalerite, 2% arsenopyrite	223.4 - 225.3	1.9	0.03	1.05
6095	IF; 60% quartz, 20% py. A little pyrrh, sphalerite, arseno, chalcopyrite	225.3 - 227.7	2.4	0.01	0.35
6096	Black andesite schist	227.7 - 229.2	1.5	Tr	Tr
6097	IF; 15% quartz; FWM pyrite, pyrrh. A little galena and sphalerite	229.2 - 231.1	1.9	Tr	Tr
6098	Grey-black andesite schist. A few quartz threads and a little pyrite, pyrrhotite	231.1 - 233.8	2.7	Tr	Tr
6099	Silicification with a little pyrite, pyrrh	233.8 - 234.5	0.7	0.01	0.3
6100	Siliceous IF with a little quartz. Not much sulphide.	24916 - 252.2	266	N11	N1

6101	Grey and white schist with 2" carbonate	VIM 257.4 - 258.3	0.9	Tr	Tr
6102	12" carbonate. A little py, pyrph. Traces arseno	258.3 - 259.9	1.6	Nil	Nil
6103	Black andesite schist; 5% carb str	259.9 - 260.9	1.0	Nil	Nil

SLUDGE SAMPLES

43 - 50	Tr	Tr	160 - 170	0.01	0.35
50 - 60	Tr	Tr	170 - 180	Tr	Tr
60 - 70	0.01	0.35	180 - 190	Tr	Tr
70 - 80	0.06	2.10	190 - 200	0.01	0.35
80 - 90	0.01	0.35	200 - 210	0.02	0.70
90 - 100	0.01	0.35	210 - 220	Tr	Tr
100 - 110	Tr	Tr	220 - 230	0.04	1.40
110 - 120	0.02	0.70	230 - 240	0.01	0.35
120 - 130	0.01	0.35	240 - 250	0.03	1.05
130 - 140	Tr	Tr	250 - 260	0.01	0.35
140 - 150	Nil	Nil	260 - 270	0.01	0.35
150 - 160	Tr	Tr			

GEOLOGY

- 0.0 - 43.6 -- Casing
- 43.6 - 62.9 -- Medium grained, uniform diorite. Pale to dark green. Serpentin'd
- 62.9 - 66.5 -- Balok slaty sediment. A little mineralization
- 66.5 - 67.4 -- Younger intrusive diorite
- 67.4 - 72.4 -- Slaty sediment above
- 72.4 - 83.3 -- Cherty IF with relatively little sulphides. Some quartz
- 83.3 - 87.2 -- Siliceous tuffs. Not much sulphide
- 87.2 - 101.9 -- Highly altered spotted buff lava. Much stringery quartz and carbonate etc. Some brown colouration (biotite) Some mineralization
- 101.9 - 103.6 -- Younger intrusive diorite
- 103.6 - 108.0 -- Highly disturbed green lava.
- 108.0 - 110.9 -- Dull grey contorted siliceous iron formation
- 110.9 - 114.1 -- Siliceous grey andesite
- 114.1 - 116.1 -- Younger intrusive diorite
- 116.1 - 117.6 -- Siliceous grey andesite
- 117.6 - 125.2 -- Siliceous iron formation and tuffs
- 125.2 - 214.6 -- Fairly uniform hard brown andesite schist with a few quartz and carbonate stringers; changing at 144' to green colour but with the same sub-gneissoid texture.
- 161.0 - 166.0 -- Brown alteration with many stringers
- 214.6 - 227.5 -- Sediments. Dark IF & tuffs with local flow lenses. Much quartz and heavy mineralization
- 227.5 - 229.0 -- Brown andesite schist
- 229.0 - 230.9 -- Dark cherty iron formation
- 230.9 - 249.8 -- Dark grey andesite schist
- 249.8 - 252.0 -- Siliceous iron formation
- 252.0 - 261.0 -- Brown andesite schist with some quartz and carbonate.
- 261.0 -- End of Hole.

June 1945

DIAMOND DRILL LOG
BOFFLEY ROAD LAKE GOLD MINES LTD

DDH No. M34

Bearing
Dip

Location

Drilled by ANTON DD
Logged by W.F. Corking.

SAMPLE NO	DESCRIPTION	FOOTAGE FT	LENGTH FT	ASSAY OZ/TON	ASSAY \$/TON
6176	Brown-green andesite schist; a few qtz veinlets with a little pyrite	62.6 - 64.8	2.2	Tr	Tr
6177	8" chert with a little pyrite	82.1 - 83.8	1.7	Tr	Tr
6178	Light grey altered flow; 30-40% qtz-carb injection. A little pyrite.	88.3 - 92.5	4.2	0.01	0.35
6179	Do; about 1% finely disseminated arseno.	92.5 - 94.1	1.6	Tr	Tr
6180	Do. 20% qtz strcs; 1/8" py, 1/8" arsenopyrite, 1/8" pyrrhotite, all finely disseminated.	94.1 - 97.0	2.9	Tr	Tr
6181	Do. No quartz	97.0 - 98.1	1.1	0.01	0.35
6182	Do. A few quartz stringers. Less mineral.	98.1 - 100.6	2.5	0.01	0.35
6183	Do, 20% quartz and a little pyrite as the only mineral.	100.6 - 102.2	1.6	0.02	0.70
6184	Dark grey impure sediment. A little py, and pyrrhotite	102.2 - 104.3	2.1	Tr	Tr
6185	Do. F.M. pyrite, pyrrhotite	104.3 - 108.6	4.3	Tr	Tr
6186	Do	108.6 - 111.6	3.0	0.01	0.35
6187	Banded sil concs iron formation with 20% quartz. A little pyrite, pyrrhotite	111.6 - 114.1	2.5	0.01	0.35
6188	Dark grey slaty sediment. F.M. pyrrhotite	114.1 - 116.1	2.0	0.01	0.35
6189	Dark grey sediment. A little pyrrhotite. Also 8" intrusive diorite	116.1 - 119.0	2.9	0.02	0.70
6190	Remainder of diorite with dark grey sed. A little pyrrhotite. About 18" core lost	119.0 - 124.3	--5.3	Tr	Tr
6191	Grey-brown andesite schist; 30% qtz-carb strcs; traces py, pyrrh, arsenopyrite	200.8 - 203.6	2.8	Tr	Tr
6192	Cherty iron formation. F.M. py, pyrrh	209.7 - 211.3	1.6	Tr	Tr
6193	Grey-brown andesite schist, with a few carb strcs. Traces py, pyrrh, arsenopyrite	214.9 - 219.3	4.4	Nil	Nil
6194	Siliceous sediment; 30% grey quartz, with 5% py, 10% pyrrh, 2% sphalerite, 2% arsenopyrite in fine needles.	219.3 - 222.0	2.7	0.01	0.35
6195	Brown andesite schist with a little carbonate. Some pyrite, and pyrrhotite	222.0 - 223.7	1.7	0.01	0.35

6196	Highly mineralized sectionK (mostly pyrite) with some quartz	223.7 - 224.2	0.6	Tr	Tr
6197	Brown andes schist; 1" qtz, 2" highly min eralized quartz (pyrite)	224.2 - 225.2	1.0	Tr	Tr
6198	Brown andes schist; a little qtz, includ- ing 4" FWM pyrite, sphalerite	225.2 - 227.3	2.1	0.01	0.70
6199	Brown andesite schist. A l py, pyrrh	227.3 - 229.3	2.0	0.01	0.35
6200	Do. A few stringers	229.3 - 231.3	2.0	Tr	Tr
6205	Siliceous sediment, 40% quartz. VAM pyrite, arsenopyrite, pyrrhotite, sphalerite, galena, chalcopyrite	231.3 - 233.9	2.6	0.12	4.20
6206	Grey-brown andesite schist. A little pyrite and pyrrhotite	233.9 - 234.9	0.7	0.03	1.05
6207	Grey andesite schist; a little carb, traces pyrite, pyrrhotite	234.9 - 237.7	2.8	0.01	- .35
6208	Milky quartz with large garnets. A little pyrite and coarse sphalerite	247.6 - 248.8	0.9	Tr	Tr
6209	Siliceous sediment. A little py, pyrrh	248.5 - 251.7	3.2	Tr	Tr
6210	Do. A little quartz	251.7 - 253.2	2.5	0.01	0.35
6211	Mostly vein quartz. A little pyrite, pyrr	258.5 - 260.2	1.7	0.01	0.35
6212	80% vein quartz. A little pyrite	267.7 - 269.0	1.3	Tr	Tr
6213	Dark grey sediment ? 30% pyrrh, some py	292.3 - 293.6	1.3	0.01	0.35
6214	Grey andesite schist; 20% carb str. VLM	293.6 - 295.6	2.0	0.01	0.35
6215	Do	295.6 - 296.4	0.8	Tr	Tr
6216	Brown andesite schist; 20% qtz-carb with a little pyrite, pyrrhotite	298.5 - 299.9	1.4	Tr	Tr
6217	Brown-green andesite schist; 10-20% qtz and carb str. A little dissem. py, arseno	386.1 - 390.8	4.7	0.01	0.35
6218	Do	390.8 - 395.2	4.4	0.01	0.35
6219	Do	395.2 - 397.3	2.1	Tr	Tr
6220	Do	397.3 - 399.5	2.2	Nil	Nil
6221	Pyritic andesite and 1" pink calcite	473.9 - 475.1	1.2	0.01	0.35

6222	Parallel quartz str in diorite. Some coarse py	478.9 - 481.7	2.8K	0.01	0.35
6223	12", 1" and other str of milky qtz	501.0 - 503.4	2.4	Tr	Tr
6224	Brown andes schist; 20% qtz str. VIM	572.5 - 574.6	2.1	Tr	Tr
6308	Brown andes schist; a few qtz str to 1". VIM	722.7 - 724.0	2.2	Tr	Tr

SLUDGE SAMPLES

45 - 50	Tr	Tr	390 - 400	0.01	0.35
50 - 60	Nil	Nil	400 - 410	Nil	Nil
60 - 70	0.01	0.35	410 - 420	0.01	0.35
70 - 80	0.01	0.35	420 - 430	Tr	Tr
80 - 90	Tr	Tr	430 - 440	Tr	Tr
90 - 100	Nil	Nil	440 - 450	Nil	Nil
100 - 110	Tr	Tr	450 - 460	Nil	Nil
110 - 120	Tr	Tr	460 - 470	0.01	0.35
120 - 130	0.01	0.35	470 - 480	Tr	Tr
130 - 140	0.01	0.35	480 - 490	Tr	Tr
140 - 150	0.01	0.35	490 - 500	0.01	0.35
150 - 160	Tr	Tr	500 - 510	0.01	0.35
160 - 170	0.01	0.35	510 - 520	Tr	Tr
170 - 180	0.01	0.35	520 - 530	0.01	0.35
180 - 190	Tr	Tr	530 - 540	Tr	Tr
190 - 200	0.01	0.35	540 - 550	Nil	Nil
200 - 210	Nil	Nil	550 - 560	Nil	Nil
210 - 220	Tr	Tr	560 - 570	Tr	Tr
220 - 230	Tr	Tr	570 - 580	0.03	1.05
230 - 240	0.26	9.10	580 - 590	0.04	1.40
240 - 250	0.06	2.10	590 - 600	0.01	0.35
250 - 260	0.02	0.70	600 - 610		
260 - 270	Tr	Tr	610 - 620		
270 - 280	Tr	Tr	620 - 630		
280 - 290	0.04	1.40	630 - 640		
290 - 300	0.01	0.35	640 - 650		
300 - 310	Tr	Tr	650 - 660		
310 - 320	Tr	Tr	660 - 670		
320 - 330	Tr	Tr	670 - 680		
330 - 340	0.02	0.35	680 - 690		
340 - 350	0.01	0.35	690 - 700		
350 - 360	Tr	Tr	700 - 710		
360 - 370	Nil	Nil	710 - 720		
370 - 380	Tr	Tr	720 - 730		
380 - 390	Tr	Tr	730 - 735		

GEOLOGY

0.0	- 44.8	--	Casing
44.8	- 57.0	--	Coarse brown andesite schist grading into the following
57.0	- 65.0	--	Coarse green andesite schist.
65.0	- 66.5	--	Diorite
66.5	- 88.4	--	Brown altered andesite schist.
88.4	-102.3	--	Light grey-buff spherulitic rock, probably a flow, with 60% quartz carbonate alteration with a little sulphides.
102.3	-119.3	--	Dark grey impure sediments, some slaty.
119.3	-121.0	--	Diorite
121.0	-124.3	--	Dark grey sediments as above.
124.3	- 209.8	-	Coarse grained uniform andesite or possibly sill or dike/
209.8	-210.9	--	Iron formation.
210.9	-219.2	--	Normal brown andesite schist.
219.2	-222.0	--	Siliceous sediments very well mineralized with quartz.
222.0	-231.5	--	Brown altered andesite schist with short quartz sections well mineralized.
231.5	-233.7	--	Highly mineralized siliceous sediments.
233.7	-249.0	--	Grey brown andesite schist.
249.0	-253.0	--	Banded sediment. Poor iron formation. Fairly well mineralized with quartz.
253.0	-260.0	--	Brown altered andesite schist with quartz vein.
260.0	-272.1	--	Grading into grey andesite schist.
272.1	-275.7	--	Sheared porphyry.
275.7	-281.0	--	Grey green andesite schist.
281.0	-283.7	--	Brown altered andesite schist.
283.7	-285.3	--	Poorly mineralized siliceous sediments.
285.3	-292.4	--	Coarse diorite.
292.4	-293.4	--	Heavily mineralized sediments.
293.4	-387.0	--	Grey brown andesite schist with a few carbonate stringers grading at 308 to gneissoid texture and grey colour.
387.0	-399.0	--	Zone of shearing with 10 to 50% quartz and carbonate stringers. Slight brown alteration and a little mineralization (pyrite and arsenopyrite).
399.0	-485.5	--	Brown and green gneissoid andesite.
485.5	-459.9	--	Younger intrusive diorite.
459.9	-478.0	--	Weakly gneissoid green andesite.
478.0	-509.5	--	Medium coarse dark grey diorite, in places more of a feldspar porphyry.
509.5	-535.3	--	Green andesite schist, in places dioritic.
535.3	-544.3	--	Very fine grained pink silica (probably quartz porphyry) some larger quartz eyes.
544.3	-591.0	--	Somewhat altered green andesite, with local brown alteration
591.0	-596.0	--	Coarse medium grained grey intrusive diorite.
596.0	-603.3	--	Fresh coarse massive diorite.
603.3	-663.2	--	Grey green andesite schist with a few stringers.
663.2	- 667.0	--	Fresh younger diorite.
667.0	-735.5	--	Grey green andesite schist as above.
735.5			End of hole.

June 1945

DIAMOND DRILL LOG.

DDH No. 35x

MCFINLEY RED LAKE GOLD MINES LTD.

Bearing - S45°-00'E

Dip - 45°

Location: Claim 246 - 510'S; 412'W of
No. 1 Post - Claim 246.Drilled by: Prochuk
Logged by: Corking

Sample No.	Description	Footage	Length Ft.	Assay Oz/Ton	Value \$/Ton
6244	Brown andesite schist with a few quartz stringers. N1M.	10.4 - 13.0	2.6	nil	nil
6245	Brown andesite schist with a few quartz and carbonate veinlets including 4" quartz-carbonate. V1M.	13.0 - 15.5	2.5	nil	nil
6246	Do. Do. A little pyrite	18.3 - 19.9	1.6	Tr	Tr
6247	Brown andesite schist with a little Pyrite, sphalerite	27.6 - 28.7	1.1	Tr	Tr
6248	Brown andesite schist with a few quartz stringers and a little pyrite and 2% fine arsenopyrite needles	41.3 - 43.9	2.6	0.01	0.35
6249	Do. Only a trace of arsenopyrite.	43.9 - 46.3	2.4	0.01	0.35
6250	2" quartz with brown andesite schist with some silication. 5-10% pyrite and a little arsenopyrite.	46.3 - 49.0	2.7	Tr	Tr
6251	Sample from box 3 (spilled) including the best sections with quartz, carbonate, pyrite and pyrrhotite.		2.6	0.06	2.10
6252	4" irregular barren quartz with massive silicon	89.9 - 91.7	1.8	0.01	0.35
6253	Massive green silicon with 2" quartz. V1M.	91.7 - 93.8	2.1	Tr	Tr

GEOLOGY

0.0 - 1.4 Casing
1.4 - 90.8 Grey green gneissoid andesite schist with some local alteration.
Note: #3rd box spilled and resorted.
84.0- 90.8 -- Becoming well carbonatized and serpentinous
90.8 - 93.9 Mauve silica as in M35x.
93.9 -123.0 Carbonatized serpentine schist.
123.0 End of hole

DIAMOND DRILL LOG

June 1945
 Bearing: S45°-00'E
 Dip : -45°

MCFINLEY RED LAKE GOLD MINES LTD.

DDH No. M36x

Location: Claim 246 - 510'S; 412'W of
 No. 1 Post, Claim 246.

Drilled by Prochuk
 Logged by Corking

Sample No.	Description	Footage	Length Ft.	Assay Oz/Ton	Value \$/Ton
6225	6" quartz carbonate, grey, barren but a little pyrite	11.8 - 13.0	1.2	Tr	Tr
6226	Grey brown andesite schist with 5% pyrite and a little quartz.	18.8 - 21.0	2.2	0.01	0.35
6227	Silicious sediment with 15% fine pyrite	21.0 - 22.5	1.5	0.01	0.35
6228	Do. Do.	22.5 - 25.3	2.8	Tr	Tr
6229	Do. Do.	25.3 - 27.3	2.0	0.05	1.75
6230	Altered andesite schist with 5% pyrite	27.3 - 31.9	4.6	0.02	0.70
6231	Do. Do. 2% pyrite	31.9 - 33.1	1.2	0.01	0.35
6232	Mostly vein quartz. V L M. Note; 1.6 ft. of core adjacent to this sample was ground.	35.4 - 36.4	1.0	0.30	10.50
6233	Altered andesite schist with 20% quartz-carbonate. VLM.	36.4 - 39.3	2.9	0.01	0.35
6234	Do.	39.3 - 41.0	1.7	0.05	1.75
6235	Do. 6" vein quartz	42.0 - 45.5	3.5	Tr	Tr
6236	Carbonatized andesite schist. VLM.	45.5 - 46.5	1.0	0.01	0.35
6237	5" vein quartz in carbonatized andesite VLM.	46.5 - 47.5	1.0	Tr	Tr
6238	Carbonatized andesite schist. VLM.	47.5 - 48.6	1.1	Tr	Tr
6239	6" vein quartz-chorite. VLM.	56.7 - 57.6	0.9	0.01	0.35
6240	Mauve silica. A little pyrite	61.5 - 63.6	2.1	0.01	0.35
6241	Do.	63.6 - 66.6	3.0	Tr	Tr
6242	Do. Including 8" andesite	66.6 - 68.2	1.6	0.01	0.35
6243	Andesite schist, carbonatized, with 8" vein quartz. VLM.	68.2 - 71.2	3.0	Tr	Tr

SLUDGES:

0' - 10'	-	0.01	-	0.35
10 - 20	-	0.02	-	0.70
20 - 30	-	0.06	-	2.10
30 - 40	⊙	Tr	-	Tr

Lost sludge

GEOLOGY

0.0 * 6.0' -- Casing

6.0 - 21.3 -- Grey green gneissoid andesite schist. Hard.

21.3 - 25.6 -- Probably silicious sediment, light grey, well mineralized with some vein quartz.

25.6 - 61.5 -- Highly altered carbonate. Pale grey-green andesite with fair pyrite mineralization. A few irregular stringers.
40.8 - 42.1 - Younger intrusive diorite. Becoming soft at 58.

61.5 - 67.6 -- Mauve silica banded. Possibly a siliceoid porphyry.

67.6-167.0 -- Highly carbonatized serpentinous schist in which core ground. ~~3.0~~ 3.0 - 1.0 - 2.0 - 2.0.

167.0 End of hole.

June 1945.

DIAMOND DRILL LOG

DDH No. M37x

MC FINLEY RED LAKE GOLD MINES LTD

Bearing: S45°-10'E

Drilled by Prochuk

Dip : -45°

Logged by W.P. Gorking

No.	Description	Footage	Length	Assay Value	
				Oz/Ton	\$/Ton
6309	Silicified andesite with a little quartz and poco pyr	45.6 - 48.7	3.1	N11	N11
6310	Siliceous porphyry	48.7 - 52.4	3.7	N11	N11
6311	Do.	52.4 - 55.2	2.8	N11	N11
6312	Grey gneissoid andesite schist with 10% quartz and carbonate stringers; VLM	84.7 - 89.3	4.6	Tr	Tr
6313	1" quartz FWM with pyrite, sphalerite in gneissoid andesite schist.	100.1 - 100.9	0.8	0.08	2.80
6314	Grey gneissoid andesite schist with 10% str. VLM	100.9 - 104.5	3.6	Tr	Tr
6315	Do.	104.5 - 105.4	0.9	0.02	0.70
6316	Do.	105.4 - 109.3	3.9	Tr $\frac{1}{4}$	Tr
6317	Do.	109.3 - 114.3	5.0	N11	N11
6318	Do.	114.3 - 117.2	2.9	N11	N11
6319	Do.	117.2 - 120.8	3.6	N11	N11
6320	Do.	120.8 - 121.8	1.0	N11	N11
6321	Do.	121.8 - 125.7	3.9	N11	N11
6322	Do.	125.7 - 127.8	2.1	N11	N11
6323	Do. 20% quartz stringers	127.8 - 128.9	1.1	N11	N11
6324	Do. 20% stringers	128.9 - 130.6	1.7	N11	N11
6325	Do. 5% stringers	130.6 - 135.3	4.7	N11	N11
6326	Do.	135.3 - 138.8	(N11	N11	3.5')
6327	Do.	138.8 - 142.3	3.5	N11	N11
6328	Do.	142.3 - 144.0	1.7	N11	N11
6329	Do.	144.0 - 148.2	4.2	N11	N11
6330	Do.	148.2 - 152.2	(N11	N11	4.0')
6331	Do. 20% stringers - a little pyrite	152.2 - 153.3	1.1	N11	N11
6332	Do. 10% quartz carbonate	153.3 - 157.7	4.2	N11	N11

6333	Do. 10% stringers. Traces of pyrite and arsenopyrite	157.5-158.5	1.0.	Tr	Tr
6334	Do. 40% stringers, nice-looking. FWM fine pyrite, arsenopyrite and a little sphalerite and galena	158.5 - 161.8	3.3	0.02	0.70
6335	Gneissoid andesite schist and a few stringers	161.8 - 164.0	2.2	Tr	Tr

SLUDGES

0.0	-	10	Tr	Tr	80	-	90	Tr	Tr
10	-	20	0.01	0.35	90	-	100	.04	1.40
20	-	30	0.01	0.35	100	-	110	.05	1.25
30	-	40	Tr	Tr	110	-	120	.01	0.35
40	-	50	0.01	0.35	120	-	140	Tr	Tr
50	-	60	0.01	0.35	140	-	150	Nil	Nil
60	-	70	Tr	Tr	150	-	164	Nil	Nil
70	-	80	0.01	0.35					

GEOLOGY

0.0 - 5.0	Casing
5.0 - 12.3	Gneissoid green andesite schist.
12.3 - 18.8	Fresh intrusive younger diorite.
18.8 - 27.5	Green gneissoid andesite schist.
27.5 - 36.1	Fresh intrusive diorite (younger).
36.1 - 47.7	Dark green gneissoid andesite schist; silication at lower contact.
47.7 - 70.5	Very hard, green(pale), 100% silicated quartz porphyry. Some quartz eyes (Scheelite?)
70.5 - 164.0	Grey gneissoid andesite schist with many quartz and carbonate stringers; Sparse pyrite mineralisation.
164.0	<u>END OF HOLE</u>

June 1945.

DIAMOND DRILL LOG.
MCFIMLEY RED LAKE GOLD MINES LTD.

DDH No M38

Bearing:

Dip :

Location;

Drilled by Labine

Logged by W.P.Corking

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
6255	Grey carbonated andesite schist amygdaloidal. Many quartz and carbonate veinlets and threads. 1-2% pyrite, pyrrhotite.	14.0 - 19.0	5.0	Tr	Tr
6256	Do	19.0 - 23.3	4.3	Nil	Nil
6257	12" quartz with a little pyrite, pyrrhotite 1" quartz also	23.3 - 25.6	2.3	Nil	Nil
6258	Grey amygdaloidal carbonatized andes schist Many threads and str. A l py, pyrrh	25.6 - 28.7	3.1	Nil	Nil
6259	Do	28.7 - 31.8	3.1	Nil	Nil
6260	Do	31.8 - 35.9	4.1	Nil	Nil
6261	Do	35.9 - 38.4	2.5	Tr	Tr
6262	Fine orenulated tuffs with a little quartz and VIM pyrite, pyrrhotite, sphalerite, galena. and Garnet.	38.4 - 40.1	1.7	0.04	1.40
6263	Garnetiferous tuffs. A little pyrite, pyrrh.	40.1 - 42.1	2.0	Tr	Tr
6264	Mostly vein quartz, milky with a little tourmaline. VIM.	47.6 - 49.2 47.7	1.6	Tr	Tr
6265	Some core ground. 80% milky vein quartz VIM	72.8 - 76.4	3.6	0.02	0.70
6269	6" vein carbonate. VIM.	170.3 - 171.1	0.8	Tr	Tr
6270	Brown andesite schist with a few carbonate veinlets. A little pyrite.	175.3 - 178.4	3.1	Tr	Tr
6271	Vein carbonate. Fair pyrite, pyrrhotite and a little sphalerite near walls.	178.4 - 180.7	2.3	0.04	1.40
6272	Brown andesite schist with a few carbonate veinlets. A little pyrite.	180.7 - 182.2	1.5	Tr	Tr
6273	Brown andesite schist with a few quartz- carbonate stringers. A little pyrite, pyrrh.	191.5 - 193.6	2.1	Nil	Nil
6274	Brown andesite schist with 20% irregular angular quartz-carbonate veinlets. VIM.	306.9 - 310.7	2.8	Nil	Nil
6275	12" vein quartz-carbonate with other stringers. Traces of pyrrhotite.	284.8 - 286.8	2.0	Nil	Nil

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-38

6276	60% vein carbonate with a little quartz; VLM	559.9 - 561.2	2.3	N11	N11
6277	90% carbonate as above, VLM	561.2 - 563.6	2.4	N11	N11
6278	Do	563.6 - 566.0	2.4	N11	N11
6279	Brown andesite schist with 20% stringers	566.0 - 570.4	3.6	N11	N11
6280	Vein carbonate with a little quartz; VLM	570.4 - 575.8	5.4	N11	N11
6281	Brown andesite schist with 30% quartz & carbonate VLM	575.8 - 576.7	2.9	N11	N11
6282	Vein quartz - carbonate; VLM	576.7 - 578.4	1.7	N11	N11
6283	Brown andesite schist with 10% carbonate and a little quartz; VLM	578.4 - 582.2	3.8	N11	N11
6284	Brown andesite schist with 10% quartz carbonate (fragments); a little pyrite; pyrrhotite	587.4 - 592.1	4.7	N11	N11
6285	Brown andesite schist with 1" quartz; with pyrrho- tite and galena and a little sphalerite	489.5 - 490.5	1.0	Tr.	Tr.
6286	Gray andesite schist with a few quartz and carbonate stringers - a little pyrrhotite	508.4 - 512.9	4.5	0.02	0.70
6287	Do	512.9 - 516.1	2.2	Tr.	Tr.
6288	Vein quartz - chlorite and a little pyrrhotite	521.0 - 521.6	0.6	Tr.	Tr.

SLUDGES

14	-	20	Tr.	-	Tr.	210	-	220	Tr.	-	Tr.
20	-	30	Tr.	-	Tr.	220	-	230	Tr.	-	Tr.
30	-	40	N11	-	N11	230	-	240	Tr.	-	Tr.
40	-	50	0.05	-	1.75	240	-	250	0.01	-	0.35
50	-	60	Tr.	-	Tr.	250	-	260	0.01	-	0.35
60	-	70	0.02	-	0.70	260	-	270	0.01	-	0.35
70	-	80	0.01	-	0.35	270	-	280	0.01	-	0.35
80	-	90	Tr.	-	Tr.	280	-	290	Tr.	-	Tr.
90	-	100	Tr.	-	Tr.	290	-	300	0.04	-	1.40
100	-	110	Tr.	-	Tr.	300	-	310	Tr.	-	Tr.
110	-	120	0.01	-	0.35	310	-	320	Tr.	-	Tr.
120	-	130	N11	-	N11	320	-	330	N11	-	N11
130	-	140	0.01	-	0.35	330	-	340	Tr.	-	Tr.
140	-	150	Tr.	-	Tr.	340	-	350	Tr.	-	Tr.
150	-	160	N11	-	N11	350	-	360	N11	-	N11
160	-	170	N11	-	N11	360	-	370	N11	-	N11
170	-	180	N11	-	N11	370	-	380	N11	-	N11
180	-	190	0.02	-	1.05	380	-	390	N11	-	N11
190	-	200	Tr.	-	Tr.	390	-	400	N11	-	N11
200	-	210	Tr.	-	Tr.	400	-	410	N11	-	N11

410	-	420	Nil	-	Nil	530	-	540	Nil	-	Nil
420	-	430	Nil	-	Nil	540	-	550	Nil	-	Nil
430	-	440	Nil	-	Nil	550	-	560	Nil	-	Nil
440	-	450	Nil	-	Nil	560	-	570	Nil	-	Nil
450	-	460	Nil	-	Nil	570	-	580	Nil	-	Nil
460	-	510	Nil	-	Nil	580	-	590	Nil	-	Nil
510	-	520	Nil	-	Nil	590	-	600	Nil	-	Nil
520	-	530	Nil	-	Nil	600	-	610	Tr.	-	Tr.

GEOLOGY

0.0	-	14.0	Casing								
14.0	-	36.0	Very highly carbonatized grey amygdaloidal andesite schist shot with quartz and carbonate stringers. A little sulphides.								
36.0	-	38.4	Grading to do., with brown alteration (some garnet).								
38.4	-	43.0	Finely bedded brown tuffs with a little quartz and typically well-mineralized in one short section.								
43.0	-	48.1	Brown andesite schist.								
48.1	-	49.7	Diorite.								
49.7	-	63.1	Massive grey (Andesite?)								
63.1	-	89.8	Sericitic quartz porphyry - much quartz, barren and milky								
89.8	-	92.2	Diorite (D ₃) intruding the porphyry.								
92.2	-	101.3	Sericitic quartz porphyry as above.								
101.3	-	110.5	Brown lava - very little mineralization - hardened.								
110.5	-	119.4	Grey feldspar porphyry - massive and of younger appearance than the quartz porphyry.								
119.4	-	134.0	Brown andesite schist with a little garnet locally and wisps of sediment.								
134.0	-	137.0	Dark grey-black intrusive of very characteristic appearance due to "oolitic" texture; (Dioritic) - appears almost certainly to cut across the normal strike of wall rocks.								
137.0	-	138.2	Brown andesite schist.								
138.2	-	141.3	Intrusive as at 134.0 to 137.0								
141.3	-	220.0	Grey-brown carbonatized andesite schist - a few barren carbonate stringers.								
220.0	-	264.3	Very irregular and angular textured grey amygdaloidal andesite schist shot with quartz and carbonatized veinlets (Sample all if sludges kick.)								
264.3	-	267.4	Diorite (D ₃)								
267.4	-	358.9	Irregular grey andesite as above - very hard and marked somewhat by weak brecciation and slight								
358.9	-	379.0	Mostly vein carbonate and a little quartz. Very little mineralization in brown andesite schist.								
379.0	-	418.0	Brown andesite schist with 30% quartz and carbonate stringers.								
418.0	-	525.3	Grading into grey gneissoid andesite schist with a few threads of quartz and carbonate.								
525.3	-	530.4	Diorite (D ₃) - younger intrusive diorite.								
530.4	-	613.7	Normal green chloritic diorite sub gneissoid with some brown alteration locally.								
613.7			<u>END OF HOLE</u>								

June 1945

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-39

Bearing:

Dip :

Location:

Drilled by Anjoed
Logged by W.P. Corking.

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
6354	Lean Iron formation; a very small % pyrite; pyrrhotite and traces andesite schist	49.7 - 54.7	5.0	0.02	0.70
6355	Do.	54.7 - 59.1	4.4	Tr.	Tr.
6356	Do. - no andesite schist	59.1 - 60.8	1.7	N11	N11
6357	Do. - some brecciation with a little pyrite; pyrrhotite	60.8 - 62.0	1.2	N11	N11
6358	Do. - normal	62.0 - 65.8	3.8	N11	N11
6359	Sheared light-grey spotted rock 80% lamination; quartz-carbonate - 5% pyrite; pyrrhotite	70.0 - 73.4	3.4	N11	N11
6360	Do., including 10" massive, milky vein quartz.	73.4 - 75.4	2.0	N11	N11
6361	Do., less quartz	75.4 - 79.8	4.4	N11	N11
6362	Dark grey slaty sedts. a little pyrite and pyrrhotite with traces of andesite schist.	79.8 - 83.3	3.5	N11	N11
6363	Do., including 2 diorite dikes	83.3 - 86.8	3.5	N11	N11
6364	Grey tuffy seds - fairly well mineralized; pyr; pyrr.	86.8 - 90.2	3.4	N11	N11
6365	Lean I.F. with 30% quartz; a little coarse pyrite	90.2 - 92.3	2.1	N11	N11
6366	Assorted sediments - a little pyrite & pyrrhotite	92.3 - 98.0	(N11)	N11	5.7)
6367	Diorite with 30% barren calcite in veins and str.	153.5 - 156.2	2.7	N11	N11
6368	Do.	156.2 - 159.5	3.3	N11	N11
6369	Mostly barren quartz and carbonate	209.3 - 210.3	1.0	N11	N11
6370	Brown andesite schist with a few carbonate stringers (banded); a little fine pyrite; pyrrhotite	220.9 - 224.8	3.9	Tr.	Tr.
6371	Sediments, heavily mineralized; fine pyrite, pyrr; arsenic and a little quartz chalco - a little quartz and carbonate (carbonate to 2")	224.8 - 226.7	1.9	0.02	0.70
6372	Do., not so heavily mineralized	226.7 - 228.5	1.8	Tr.	Tr.
6373	Brown andesite schist with a few carbonate threads a little pyr. & pyrrhotite	228.5 - 231.7	3.2	Tr.	Tr.

6374	Sil. Sed. with 30% vein quartz with some 20% irregular block areas in the quartz which may be very fine andesite schist; a little pyrite	246.7 -249.3	2.6	Tr.	Tr.
6375	Brown andesite schist with 10% carbonate and quartz stringers - a little pyrite; andesite schist and some very fine andesite schist?	249.3 -252.1	2.8	0.02	0.70
6376	Brown andesite schist - a little carbonate and some pyrite	252.1 -255.7	3.6	Tr.	Tr.
6377	Do.	255.7 -259.5	3.8	Nil	Nil
6378	Sed. dark grey fairly well mineralized, pyr; pyrr; Including 0.6' massive steel grey very fine metallic(?) Heavy - yellow stain - probably arseno-pyr.	259.5 - 260.8	1.3	Nil	Nil
6379	Brown andesite schist with a few veinlets; traces of pyr. , as. pyr. and chalco	260.8 -262.0	1.2	Nil	Nil
6380	Grey andesite schist with a few quartz and carbonate stringers and a little pyrite	264.8 -270.1	5.3	Nil	Nil
6381	Dist. silic. andesite, VLM	274.5 -275.6	1.1	Tr.	Tr.
6382	Grey tuffy sediments fairly well mineralized - pyr; pyrr - a little quartz carbonate	275.6 -276.9	1.3	0.02	0.70
6383	Grey andesite schist - 20% qtz stringers - a little pyr; pyrr.	281.7 -285.6	3.9	Tr.	Tr.
6384	Grey andesite schist - with well min. quartz-carb. veinlets - a little pyr. pyrr.	287.4 - 289.6	2.2	Tr.	Tr.
6385	Cherty sed. with 20% qtz. FWM pyr. pyrr. a little zinc & sulphides	289.6 -290.6	1.0	0.02	0.70
6386	Silicified grey andesite (?) VLM	290.6 -293.7	3.1	Tr.	Tr.
6387	Coarse brecciation (sed ?) with 20% quartz - FWM a little andesite schist.	293.7 -295.1	1.4	0.02	0.70
6388	Rusty fault zone - some core lost (6") - with carbonate and quartz - a little pyrite	295.1 -297.1	2.0	Tr.	Tr.
6389	Grey block andesite schist with 15% carbonate veinlets - VLM	297.1 -301.2	41.	Nil	Nil
6390	Do.	301.2 -204.6	3.4	Nil	Nil
6391	Brown andesite schist with may quartz & carbonate veinlets - a little pyr. & traces As.	315.8 -318.0	2.2	Nil	Nil
6392	5" sediments WVM pyr., Zns and 15" vein carb. with a little pyr (As?)	318.0 -320.3	2.3	Tr.	Tr.

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-39*

6393	Sil. sed. & qtz, heavily min. - pyrite (fine) and a little zns.	325.1 - 326.6	1.5	0.02	0.70
6394	Grey andesite schist with 20% qtz-carb. stringers and a little pyr; pyrr.	333.2 - 336.2	3.0	0.02	0.70
6395	Grey andesite - a little Carbonate with some pyr.pyrr.	348.5 - 350.8	2.3	Tr.	Tr.
6396	Dark quartz and silicification VWM pyr & a little As.	350.8 - 352.3	1.5	Nil	Nil
6397	Green andesite schist with 10% disseminated pyrite	401.9 - 406.3	4.4	Nil-	Nil
6398	Do.	406.3 - 410.9	4.6	Nil	Nil
6399	Do.	410.9 - 415.5	4.6	Nil	Nil
6400	Do.	415.5 - 417.3	1.8	Nil	Nil

SLUDGES

41.6	-	50	0.01	0.35	240	-	250	Tr.	Tr.
50	-	60	Tr.	Tr.	250	-	260	Tr.	Tr.
60	-	70	Tr.	Tr.	260	-	270	Tr.	Tr.
70	-	80	0.01	0.35	270	-	280	0.01	0.35
80	-	90	0.01	0.35	280	-	290	0.01	0.35
90	-	100	Tr.	Tr.	290	-	300	0.04	1.40
100	-	110	Tr.	Tr.	300	-	310	0.01	0.35
110	-	120	0.01	0.35	310	-	320	0.02	0.70
120	-	130	0.01	0.35	320	-	330	0.02	0.70
130	-	140	Tr.	Tr.	330	-	340	0.01	0.35
140	-	150	Tr.	Tr.	340	-	350	0.04	1.40
150	-	160	Tr.	Tr.	350	-	360	0.03	1.05
160	-	170	0.01	0.35	360	-	370	Tr.	Tr.
170	-	180	0.01	0.35	370	-	380	Tr.	Tr.
180	-	190	Tr.	Tr.	380	-	390	Tr.	Tr.
190	-	200	Tr.	Tr.	390	-	400	Nil	Nil
200	-	210	Tr.	Tr.	400	-	410	Nil	Nil
210	-	220	0.01	0.35	410	-	420	0.01	0.35
220	-	230	0.02	0.70	420	-	425	0.01	0.35
230	-	240	Nil	Nil					

GEOLOGY

0.0	-	41.5	Casing
41.5	-	50.0	Brown andesite schist.
50.0	-	65.7)	Normal - grey iron formation. (lean)
50.0	-	65.7)	
65.7	-	70.1	Brown andesite schist.
70.1	-	79.6	Shear zone(?) - highly shot with quartz and some carbonate - spotted rock - light grey-buff.
79.6	-	83.3	grey-black slaty sediments.
83.3	-	85.0	Brown altered diorite
85.0	-	86.1	Sediments as above.
86.1	-	86.7	Brown diorite
86.7	-	90.0	Grey tuffy sediments.
80.0	-	92.0	Some mineralization - lean Iron formation.

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

92.0	-	97.7	Tuffs and a little slatey sediments.
97.7	-	221.6	Massive grey diorite (or coarse uniform andesite?) with a few barren tension calcite stringers @ 153-159.0 180.9 - 183.5 - Andesite inclusion. 193.0 - 221.6 - Bleached to pale grey.
221.6	-	---	Poor contact, but sharp.
221.6	-	225.0	Brown andesite schist.
225.0	-	228.4	Well banded cherty tuffaceous sediments well mineralized - pyrite, pyrrhotite, Arseno-pyrite, zinc, sulphides and some carbonate veins to 4" and a little quartz.
228.4	-	246.8	Brown andesite schist - brown to black; in part
246.8	-	249.1	Silicified grey banded iron formation. Poorly mineralized except for some very fine arseno pyrite in quartz.
249.1	-	270.3)	Brown andesite schist as above.
249.1	-	270.3)	259.8 - 260.8 Sediment - dark grey including 0.6' heavy, massive super fine metallic - steel grey - Arseno-pyrite? 1' specimen. 260.8 - 270.3 grey brown, well carbonatized.
270.3	-	274.6	Sericite schist probably derived from porphyry; a few small quartz eyes.
274.6	-	338.7	Light grey highly disturbed carbonatized andesite schist with many quartz and carbonate threads and stringers. 276.0 - 276.8 Min. tuffy sediments & quartz - a zone here somewhat similar to some of the deeper drilling on the island. 289.7 - 290.3, Sediments, fairly well-mineralized. 293.8 - 296.7 Sediments Fairly well-mineralized and brecciated and 1' rusty fault zone? 305.4 - 312.2 D3 - Diorite 312.2 - ----- A carbonatized diorite? - disturbance dying out but still brown. 318.5 - 319.0 Sediment? with carbonate vein at contact. 325.5 - 326.5 Mineralised sediment.
338.7	-	417.1	Normal green (light) andesite schist, slightly gneissoid and some stringers.
417.1	- -	425.1	406.3 - 417.1 fair mineralisation - pyrite. Coarse diorite.
425.1			<u>END OF HOLE</u>

July 1945

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

DDH No. M-40

Drilled by Anjoed
Logged by W.P. CorkingBearing:
Dip :

Location

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
6501	Altered diorite with 20% Qtz-carbonate VLM	106.3 - 108.0	1.7	Tr.	Tr.
6502	Mostly vein qtz and some carbonate - VWM pyrrhotite - a little pyrite & traces chalco	108.0 - 109.8	1.8	Tr.	Tr.
6503	Altered tuffaceous sed. with 30% qtz-carb. (irregular) VWM - pyr. pyrr. a little chalco & zns.	109.8 - 113.0	3.2	Tr.	Tr.
6504	Brown andesite schist with 5% carbonate VLM	113.0 - 114.3	1.3	Tr.	Tr.
6505	Vein carbonate and a little qtz; VLM	114.3 - 117.2	2.9	Tr.	Tr.
6506	Brown andesite schist with a few carb. veinlets VLM	117.2 - 118.2	5.0	Tr.	Tr.
6507	Brown andesite schist	122.2 - 124.3	2.1	Tr.	Tr.
6508	Brown andesite schist with 30% qtz-carbonate. A little pyrite and some As. & zns over 6"	124.3 - 127.4	3.1	Tr.	Tr.
6509	Brown andesite schist and a little quartz carbonate a little pyrite	127.4 - 130.4	3.0	Tr.	Tr.
6510	4" sed. & porphyry in which 1" qtz and coarse pyr. & arsenopyrite	164.3 - 166.4	2.1	Tr.	Tr.
6511	Lean iron formation with 40% qtz-carb. FWM pyrr.	191.1 - 194.8	3.7	Tr.	Tr.
6512	Brown andesite schist - FWM - Pyrite and As.	194.8 - 197.1	2.3	Tr.	Tr.
6513	Banded brown andesite schist - FWM pyr. & Pyrr. a little quartz carbonate - a little dissem. arseno.	213.9 - 217.0	3.1	Tr.	Tr.
6514	Silicified banded schist with 20% qtz - a little carbonate VWM - pyr., a little pyrr. arseno, zns.	217.0 - 218.8	1.8	0.02	0.70
6515	Brown andesite schist - FWM - Pyr., Pyrr - a little arsenopyrite	218.8 - 220.3	1.5	Tr.	Tr.
6516	Silicified banded schist - VWM - pyr., pyrrh., many stringers - a little arseno.	220.3 - 222.3	2.0	Tr.	Tr.
6517	Do., @ % vein quartz - Coarser and heavier mineraliz'n	222.3 - 223.9	1.6	0.02	0.70
6518	Mainly smokey vein quartz VWM - pyr. pyrrh., arseno., zns., - a little chalco	223.9 - 225.4	1.5	0.10	3.50
6519	Brown andesite schist	225.4 - 226.3	0.9	Tr.	Tr.

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. 40-M

6520	Brown andesite schist with 5% quartz - FWM , diss. As.	226.3 - 230.4	4.1	Tr.	Tr.
6521	Do. Traces disseminated arsenopyrite	230.4 - 235.8	5.4	Tr.	Tr.
6522	Do., VLM	235.8 - 237.7	1.9	Tr.	Tr.
6523	Cherty iron formation with 30% vein (?) quartz	237.7 - 239.8	2.1	0.06	2.10
6524	Mainly vein quartz with a little carbonate p yrite & pyrrhotite (traces).	239.8 - 241.4	1.6	0.04	1.40
6525	Brown andesite schist p a few stringers	241.4 - 246.3	4.9	Tr.	Tr.
6526	Grey altered andesite schist	246.3 - 249.1	2.8	Tr.	Tr.
6527	16" brecciation - Brown andesite schistwith carbonate and 1' quartz. VLM	249.1 - 251.6	2.5	Tr.	Tr.
6528	Grey green andesite schist with 20% quartz - fairly well carbonatized - VLM	265.4 - 267.1	1.7	Tr.	Tr.
6529	Do.	267.1 - 270.2	3.1	Tr.	Tr.
6530	6" quartz and iron formation not well mineralized	273.7 - 275.2	(0.02	1.5)	0.70
6531	Iron formation 5% quartz FWM pyrrh & traces arseno.	275.2 - 279.2	4.0	0.04	1.40
6532	Do. 6" quartz - a little pyrite	279.2 - 280.3	1.1	Tr.	Tr.
6533	4" pyr.-pyrrh. As. mineralized with a little quartz in brown andesite schist.	399.3 - 400.1	0.8	0.02	0.70
6534	Irregular vein quartz nearly parallel to core , VLM	449.6 - 451.5	1.9	Tr.	Tr.
6535	Silic. Andesite schist with a little qtz. - a little pyrite, pyrrh, chalco. zns., sulphide, arseno.	258.0 - 260.0	2.0	Tr.	Tr.

SLUDGES

55'	10"-	70	Nil	Nil	220	-	230	0.02	0.70
70	-	80	Nil	Nil	230	-	240	0.02	0.70
80	-	90	Nil	Nil	240	-	250	0.02	0.70
90	-	100	Nil	Nil	250	-	260	Tr.	Tr.
100	-	110	Tr.	Tr.	260	-	270	Tr.	Tr.
110	-	120	0.02	0.70	270	-	280	0.06	2.10
120	-	130	--	--	280	-	290	Tr.	Tr.
130	-	140	Tr.	Tr.	290	-	300	Nil	Nil
140	-	150	Nil	Nil	300	-	310	Nil	Nil
150	-	160	Nil	Nil	310	-	320	Nil	Nil
160	-	170	Nil	Nil	320	-	330	Nil	Nil
170	-	180	Nil	Nil	330	-	340	Nil	Nil
180	-	190	Nil	Nil	340	-	350	Nil	Nil
190	-	200	Nil	Nil	350	-	360	Nil	Nil
200	-	210	Tr.	Tr.	360	-	370	Nil	Nil
210	-	220	Tr.	Tr.	370	-	380	Nil	Nil

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

DDH-M-40.

380	-	390	Nil	Nil	440	-	450	Nil	Nil
390	-	400	Nil	Nil	450	-	460	Nil	Nil
400	-	410	Nil	Nil	460	-	470	Nil	Nil
410	-	420	Nil	Nil	470	-	480	Nil	Nil
420	-	430	Nil	Nil	480	-	490	Tr.	Tr.
430	-	440	Nil	Nil	490	-	500	0.02	0.70

GEOLOGY

0.0	-	55.9	Caving.						
55.9	-	108.6	older appearing diorite (or dioritic andesite); uniform altered generally to pale green.						
108.6	-	116.0	Tuffaceous sediments highly altered with quartz-carbonate and mineralization. Zone of deposition at contact of diorite.						
116.0	-	164.3	Normal brown andesite schist and well mineralized - carbonate & quartz stringers.						
164.3	-	164.7	Sediments.						
164.7	-	175.4	Sericitic quartz porphyry						
175.4	-	192.2	Brown andesite schist.						
192.2	-	194.3	Lean iron formation carbonate.						
194.3	-	200.1	Brown andesite schist.						
200.1	-	206.2	Diorite (D-3)						
206.2	-	237.9	Brown andesite schist including minor quartz intersection (poss. in sediment.)						
237.9	-	241.6	Cherty iron formation with some quartz.						
241.6	-	246.1	Brown andesite schist - sub gneissoid with some quartz veins; some carbonate.						
246.0	-	272.4	Grey-green andesite schist with many quartz and carbonate stringers.						
272.4	-	274.7	Brown andesite schist.						
274.7	-	280.4	Iron formation						
280.4	-	415	Grey-green andesite schist as above - generally amygdaloidal green andesite schist right angles to core not so many stringers.						

(490)

15' to end.

Bearing:
Dip :

DIAMOND DRILL LOG
McFINLEY RED LAKE GOLD MINES LTD

DDH No. 41

Location:

Drilled by Labine
Logged by W.P. Corring

No.	Description	Footage	Assay Value	
			Length	Oz/Ton \$/Ton
6536	Carbonatized green andesite schist - VIM	132.4 - 136.3	3.9	0.01 0.35

SLUDGES

14	-	20	Tr.	Tr.
20	-	30-	Tr.	Tr.
30	-	40	Tr.	Tr.
40	-	45	0.02	0.70

Lost water at 45'

GEOLOGY

0.0	-	14.6	Casing
14.6	-	153.5	Grey-green andesite schist with a little quartz veinlets but very little mineralization.

153.5 END OF HOLE

July 1945

DIAMOND DRILL LOG

DDH No. M-42

MC FINLEY RED LAKE GOLD MINES LTD.

Bearing:
Dip :

Location

Drilled by Anjoed
Logged by W.P. Corking

No.	Description	Footage	Assay Value	
			Length	Oz/Ton \$/ton
48	1/2" split spec. silicification with arsenopyrite in coarse white crystals - analyse and verify As.	364'		
6581	Sericitic quartz diorite - a few qtz. stringers	53.3 - 56.4	3.1	0.01 0.35
6582	Andesite with 70% glassy vein quartz clear and pink colors a little pyrite and chalco	56.4 - 58.1	1.7	Tr. Tr.
6583	Soussuritic andesite - traces pyr., as.	124.5 - 127.3	2.8	0.01 0.35
6584	Banded iron formation - 10% vein quartz. FWM pyrite and traces Arseno-pyrite	127.3 - 130.0	2.7	0.03 1.05
6585	Banded iron formation - 30% vein quartz, VWM with pyrite & Pyrrhotite - Traces sulphides & zinc.	130.0 - 132.2	2.2	Tr. Tr.
6586	132.2 - Grey brown andesite schist - 20% carbonate 5% quartz FWM with pyrite, pyrrh. and a little As.	132.2 - 135.5	3.3	Tr. Tr.
6587	Do. 5% quartz - a little pyr; pyrrh, As.	135.5 - 137.3	1.8	Tr. Tr.
6588	Soussuritic andesite - a little pyr. & dissem. As.	137.3 - 141.3	4.0	0.05 1.75
6589	Coarse dioritic andesite with 10% quartz stringers; a little pyr. & As. with 2" of the quartz VWM; pyrite, pyrrh., Zns, sulphides, chalco & As.	210.4 - 214.6	4.2	0.01 0.35
6590	Silicified andesite with a little garnet and quartz; FWM with pyrite & pyrrh - a little chalco and As.	235.2 - 238.2	3.0	Tr. Tr.
6591	Andesite with 5% local silicified areas up to 13" FWM - pyr. pyrrh and a little sulphides & zns.	260.0 - 263.5	3.5	0.05 1.75
6592	Banded iron formation and some slatey sediments; also some andesite, a little quartz. FWM pyr., pyrrh, considerable magnetite	200.4 - 302.8	2.4	0.06 2.10
6593	4" porphyry with brown andesite schist - a little As. in the latter	314.8 - 319.3	4.5	0.02 0.70
6594	Do. with 6" iron formation with pyrite	319.3 - 320.8	1.5	0.03 1.05
6595	Slatey sediments - a little pyrite; pyrrhotite	331.6 - 333.1	1.5	0.02 0.70
6596	Silicified diorite - a little diss. pyr. & pyrrh.	233.1 - 237.7	4.6	Tr. Tr.
6597	Brown andesite schist - VLM	343.0 - 345.5	2.5	Tr. Tr.
6598	Banded iron formation - FWM - pyr., pyrrh.	345.5 - 347.5	2.0	0.01 0.35

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-42

6599	Brown andesite schist - VLM	347.5 - 353.0	5.5	Tr.	Tr.
6600	Do.	353.0 - 357.8	4.8	0.01	0.35
6701	3578 - Do.	357.8 - 361.1	3.3	Tr.	Tr.
6702	Banded iron formation FWM - pyrite & pyrrhotite; a little arseno. - some quartz and carbonate	351.1 - 362.4	1.3 0.96	0.06	2.10
6703	Highly silicified grey andesite VWM - arseno.	362.4 - 365.1	2.7	Tr.	Tr.
6704	Brown andesite schist - a little pyrite	365.1 - 370.1	5.0	Tr.	Tr.
6705	5" quartz, 6" sediment; FWM pyr; Pyrrh - a little As.	370.1 - 371.0	0.9	0.01	0.35
6706	Brown andesite schist VLM	371.0 - 375.7	4.7	0.03	1.05
6707	Do.	375.7 - 379.4	3.7	0.03	1.05
6708	Heavily mineralized zone - pyr; and fine As.	379.4 - 382.0	2.6	0.08	2.80
6709	Brown andesite schist - FWM fine pyrite; pyrrhotite	382.0 - 386.9	4.9	0.01	0.35
6710	Do. a little carbonate	386.9 - 388.0	1.1	Tr.	Tr.
6711	Siliceous banded iron formation; 5% vein quartz; Not well mineralized but a little pyr; pyrrh; As.	408.5 - 410.6	2.1	Tr.	Tr.
6712	Siliceous banded iron formation with 6" quartz FWM-pyrite & pyrrhotite	410.6 - 412.9	2.3	0.01	0.35
6713	Iron formation and brown andesite schist with 20% quartz - FWM - pyrite - a little arsenopyrite	412.9 - 414.0	1.1	0.01	0.35
6714	Brown andesite schist - 30% carbonate & 10% quartz stringers; VWM pyr; pyrrh & FWM with As.	414.0 - 417.8	3.8	0.04	1.40
6715	Brown andesite schist with grey green andesite schist a little pyrite and pyrrhotite	417.8 - 422.8	5.0	0.01-	0.35
6716	Do. a little pyr; pyrrh; and traces of As.	422.8 - 427.8	5.0	Tr.	Tr.
6717	Brown andesite schist - a little quartz and carbonate; some phrite and arsenopyrite	427.8 - 430.2	2.4	Tr.	Tr.
6718	Porphyry - FWM - pyrite	430.2 - 432.7	2.5	0.01	0.35
6719	Brown andesite schist with 10% quartz-carbonate; Locally FWM - pyrite & pyrrhotite	432.7 - 437.7	5.0	0.04	1.40
6720	Brown andesite schist - a little quartz and carbonate some pyrite; pyrrh. zinc locally	437.7 - 440.5	2.8	0.06	2.10

DIAMOND DRILL LOG
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DDH-M-42

6721	Grey-green andesite schist with 10% quartz & carbonate - a little mineralization	440.5 - 442.7	2.2	0.01	0.35
6722	Do.	453.0 - 456.1	3.1	Tr.	Tr.
6723	Do.	456.1 - 459.8	3.6	0.01	0.35
6724	Do.	462.9 - 467.6	4.7	Tr.	Tr.
6725	Do.	467.6 - 472.6	5.0	0.06	2.10
6726	Do.	480.0 - 482.6	2.6	0.01	0.35
6727	4", 2" and other stringers - milky quartz VLM	563.7 - 565.7	2.0	?	?

SLUDGES

42	-	52	Tr.	Tr.	410	-	420	Tr.	Tr.
52	-	60	Tr.	Tr.	420	-	430	Tr.	Tr.
60	-	70	0.01	0.35	430	-	440	0.01	0.35
70	-	80	Tr.	Tr.	440	-	450	Tr.	Tr.
80	-	90	Tr.	Tr.	450	-	460	0.04	1.40
90	-	100	0.01	0.35	460	-	470	0.01	0.35
100	-	110	0.01	0.35	470	-	480	0.01	0.35
110	-	120	Tr.	Tr.	480	-	490	Tr.	Tr.
120	-	130	Tr.	Tr.	490	-	500	Tr.	Tr.
130	-	140	Nil	Nil	500	-	510	Tr.	Tr.
140	-	150	Tr.	Tr.	510	-	520	Tr.	Tr.
150	-	160	Tr.	Tr.	520	-	530	Tr.	Tr.
160	-	170	0.01	0.35	530	-	540	Tr.	Tr.
170	-	180	0.01	0.35	540	-	550	Tr.	Tr.
180	-	190	0.01	0.35	550	-	560	Tr.	Tr.
190	-	200	0.01	0.35	560	-	570	Tr.	Tr.
200	-	210	Tr.	Tr.	570	-	580	Tr.	Tr.
210	-	220	Tr.	Tr.	580	-	590	Tr.	Tr.
220	-	230	0.01	0.35	590	-	596	Tr.	Tr.
230	-	240	Tr.	Tr.					
240	-	250	Tr.	Tr.					
250	-	260	0.01	0.35					
260	-	270	Tr.	Tr.					
270	-	280	Tr.	Tr.					
280	-	290	Tr.	Tr.					
290	-	300	Tr.	Tr.					
300	-	310	Tr.	Tr.					
310	-	320	Tr.	Tr.					
320	-	330	0.01	0.35					
330	-	340	0.01	0.35					
340	-	350	Tr.	Tr.					
350	-	360	0.02	0.70					
360	-	370	0.02	0.70					
370	-	380	Tr.	Tr.					
380	-	390	0.05	1.75					
390	-	400	Tr.	Tr.					
400	-	410	0.01	0.35					

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

DDH-M-42

GEOLOGY

0.0	-	42.0	Casing
42.0	-	56.1	Sericitic quartz porphyry or quartz diorite
56.1	-	57.9	Andesite and pink, glassy quartz.
57.9	-	60.3	Younger intrusive diorite.
60.3	-	127.5	Slightly altered chloritic andesite; a few Hornblende foils - sossuritic.
127.5	-	132.2	Banded iron formation - a little quartz and heavy pyrite locally.
132.2	-	238.0	Andesite as above with brown alteration and carbonate stringers and a little quartz for 5.0' below contact... and gradually becoming normal and green. Fairly coarse. All the plutonic above this may be sill material.
238.0	-	272.7	Normal dark brown block amygdaloidal andesite and stringers.
272.7	-	277.7	Younger intrusive diorite.
277.8	-	300.4	Brown - block andesite schist as above.
300.4	-	302.0	Banded iron formation FWM.
302.0	-	309.3	Brown andesite schist.
309.3	-	315.0	Sericitic porphyry schist - no phenocrystals.
315.0	-	213.6	Brown andesite schist - some disseminated arsenopyrites. 319.5 - 320.0 - Banded iron formation.
231.6	-	233.1	Highly silicified zone in diorite; a little sulphides.
237.7	-	342.8	Fairly normal intrusive diorite.
342.8	-	345.5	Brown andesite schist.
345.5	-	347.5	Banded iron formation.
347.5	-	361.0	Brown andesite schist.
361.0	-	362.4	Banded iron formation - fairly well-mineralized.
362.4	-	365.1	Highly silicified grey andesite - well mineralized - arsenopyrites.
365.1	-	379.8	Black andesite schist.
379.8	-	382.0	Zone of heavy pyrite - As. (fine) mineralization.
382.0	-	389.0	Brown andesite - a little disseminated arsenopyrites.
389.0	-	408.5	Green-grey andesite schist - a little disseminated arsenopyrites.
408.5	-	413.4	Banded iron formation with some quartz; not well mineralized.
413.4	-	430.3	Banded andesite schist and stringers - some grey and gneissoid.
430.3	-	433.0	Light grey porphyry - type intrusive.
433.0	-	441.0	Brown andesite schist; many carbonate stringers and some quartz.
441.0	-	480.0	Grey-green andesite schist, considerably carbonatized and some quartz veinlets.
480.0	-	597.0	As above but more massive and very little quartz or carbonate.
597.0			<u>END OF HOLE</u>

July, 1945.

DIAMOND DRILL LOG

DDH No. M-43.

Bearing:
Dip :

MC FINLEY RED LAKE GOLD MINES LTD

Drilled by Labine
Logged by W.P. Corking.

Location:

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
6537	Grey green andesite schist, VLM	64.5 - 66.5	2.0	0.01	0.35
6538	Carbonatized brown andesite schist with a little quartz FWM - pyrite and arsenopyrites - disseminated	66.5 - 68.3	1.8	0.04	1.40
6539	Mostly carbonate with a little quartz - VWM - pyrite and a little chalco - fair, fine disseminated As.	68.3 - 70.7	2.4	0.30	10.50
6540	Brown andesite schist - a few quartz and carb. string- ers - a little pyrite and arsenopyrite.	70.7 - 74.8	4.1	?	?
6541	Green andesite schist - some brown alteration with qtz stringers (5%) a little pyrite; pyrrhotite	162.3 - 166.4	4.1	0.01	0.35
6542	5" quartz - VLM	188.6 - 189.5	0.9	Tr.	Tr.
6543	3" quartz in brown andesite schist and a little pyrite - some carbonate also	248.0 - 249.9	1.9	Tr.	Tr.
6544	Grey green andesite schist	249.9 - 252.3	2.4	0.01	0.35
6545	Brown andesite schist	252.3 - 256.2	3.9	0.01	0.35
6546	Do. with 10% quartz-carbonate - FWM - pyr; pyrrh.	256.2 - 258.6	2.4	0.06	2.10
6547	Green andesite schist with brown alteration and 2 - 5% quartz-carbonate strgs; a little diss. pyr & As.	282.9 - 287.4	4.5	0.01	0.35
6548	Dark grey lively-looking quartz and a little carbonate; FWM - pyrite & pyrrhotite and a little fine Arseno.	296.6 - 298.4	.18	Tr.	Tr.
6549	Green andesite schist with veinlets of pyrite (1%)	298.4 - 300.8	2.4	Tr.	Tr.
6550	Blue-grey lively-looking quartz - FWM - pyr. & a little galena	313.2 - 314.2	1.0	Tr.	Tr.
6556	Biotite-chlorite schist - 5½" quartz VLM	369.0 - 370.7	1.7	Tr.	Tr.
6567	Zone of massive silicification - a little pyrite	370.7 - 372.6	1.9	0.01	0.35
6568	Biolite - chlorite schist - VLM	372.6 - 276.2	3.6	Tr.	Tr.
6569	Do. a little disseminated pyr. pyrrh.	376.2 - 379.7	3.5	Tr.	Tr.
6570	Brown-black andesite schist FWM - finely diss. Pyr.Pyrrh	379.7 - 383.3	3.6	Tr.	Tr.
6571	Do. garnetiferous - FWM dissem. pyrite & pyrrhotite and possibly traces of arsenopyrite	383.3 - 385.2	1.9	Tr.	Tr.

6551	40% quartz - chlorite in stringers up to 4" - walls FWM - fine pyr. & pyrrh but VLM in quartz	385.2 - 387.2	2.0	0.04	1.40
6552	Dark brown altered andesite schist with garnet and a little fine pyrite and pyrrhotite	387.2 - 390.2	3.0	0.02	0.70
6572	Massive black andesite schist - FWM finely dissem. pyrite, pyrrhotite and traces of arsenopyrite	390.2 - 392.4	2.2	Tr.	Tr.
6573	Do. Do.	392.4 - 396.1	3.7	0.01	0.35
6574	Do. Do.	396.1 - 400.6	4.5	0.02	0.70
6553	Brown andesite schist with 30% quartz- carbonate FWM - pyrite; pyrrhotite	400.6 - 401.7	1.1	Tr.	Tr.
6554	Maily quartz-carbonate stringers -FWM pyr; pyrrh.	401.7 - 404.8	3.1	0.01	0.35
6555	Grey-brown andesite schist with a few stringers and a little pyr; pyrrh	404.8 - 407.7	2.9	0.01	0.35
Do. Do.		407.7 - 409.8	2.1	Tr.	Tr.
6557	Grey-green gn. andesite schist VLM	409.8 - 412.8	3.0	Tr.	Tr.
6558	Do. with 1", 3" quartz - a little disseminated pyr.	412.8 - 415.3	2.5	Tr.	Tr.
6559	Altered brown-black carbonatized andesite schist with a little pyrite and possibly arsenopyrite	415.3 - 418.3	3.0	Tr.	Tr.
6560	50% cherty vein quartz - FWM - pyrite	418.3 - 420.1	1.7	0.02	0.70
6561	Do.	420.1 - 422.1	2.0	0.06	2.10
6562	Green andesite schist VLM	422.1 - 424.5	2.4	Tr.	Tr.
6563	Do. a little quartz and pyrite	424.5 - 427.1	2.6	Tr.	Tr.
6564	Grey andesite schist with 10% quartz and 10% pyrite in concentrated blebs	427.1 - 429.7	2.6	Tr.	Tr.
6565	Do.	429.7 - 433.0	3.3	Tr.	Tr.
6575	Massive syenite - a little disseminated pyr; pyrrh.	433.0 - 435.1	2.1	Tr.	Tr.
6576	Do.	435.1 - 440.1	5.0	Tr.	Tr.
6577	Do. (10") with silicified andesite inclusion and some carbonate - a little disseminated pyrite	440.1 - 443.0	2.9	Tr.	Tr.
6578	(1.5' ground) silicified gns inclusion with a little carbonate - some disseminated pyrite	443.0 - 449.5	6.5	Tr.	Tr.
6579	Syenite - massive - a little disseminated pyr ^s pyrrh	449.5 - 453.8	4.3	Tr.	Tr.
6580	Syenite with 5% greasy quartz and FWM - pyr.	453.8 - 457.0	3.2	Tr.	Tr.

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

SLUDGES

10	-	20	0.02	0.70	250	-	260	Tr.	Tr.
20	-	30	Tr.	Tr.	260	-	270	N11	N11
30	-	40	N11	N11	270	-	280	N11	N11
40	-	50	N11	N11	280	-	290	N11	N11
50	-	60	N11	N11	290	-	300	N11	N11
60	-	70	N11	N11	300	-	310	N11	N11
70	-	80	0.06	2.10	310	-	320	N11	N11
80	-	90	0.02	0.70	320	-	330	N11	N11
90	-	100	Tr.	Tr.	330	-	340	Tr.	Tr.
100	-	110	Tr.	Tr.	340	-	350	0.04	1.40
110	-	120	N11	N11	350	-	360	N11	N11
120	-	130	N11	N11	360	-	370	Tr.	Tr.
130	-	140	N11	N11	370	-	380	0.01	0.35
140	-	150	N11	N11	380	-	390	0.80	28.00
150	-	160	Tr.	Tr.	390	-	400	0.30	10.50
160	-	170	0.04	1.40	400	-	410	0.12	4.20
170	-	180	Tr.	Tr.	410	-	420	Tr.	Tr.
180	-	190	N11	N11	420	-	430	0.14	4.90
190	-	200	N11	N11	430	-	440	0.16	5.60
200	-	210	N11	N11	440	-	450	0.04	1.40
210	-	220	N11	N11	450	-	460	0.01	0.35
220	-	230	N11	N11	460	-	470	0.02	0.70
230	-	240	N11	N11	470	-	480	0.02	0.70
240	-	250	N11	N11	480	-	490	Tr.	Tr.

GEOLOGY

0.0	-	10.3	Caving
10.3	-	41.9	Grey andesite schist - locally amygdaloidal; VLM
41.9	-	61.5	Sericitic quartz porphyry very few eyes - no stringers & VLM
61.5	-	65.0	Grey-green andesite schist.
65.0	-	87.0	Do. with brown alteration and some pyrited carbonatization; also a little disseminated arsenopyrites.
87.0	-	95.5	Grey-green andesite schist.
95.5	-	114.5	Fresh younger intrusive diorite.
114.5	-	229.6	Fresh younger intrusive diorites.
229.6	-	236.9	Grey and green gn. andesite schist with some brown alteration.
236.9	-	300.0	Normal green gn. andesite schist.
300.0	-	310.1	Fresh younger intrusive diorite.
310.1	-	313.4	Quartz
313.4	-	314.1	Quartz-porphyry - sericitic (WO ₃ ?)
314.1	-	322.0	Slightly gn. green andesite - locally many stringers and silicification,
322.0	-	432.6	400.0 - 432.6 Zone of quartz - carbonate stringers and fair mineralization
432.6	-	461.5	Syenite -(Feldspar porphyry) fresh, grey granitoid texture.
461.5	-	471.0	441.0 - 449.4 Andesite inclusion.
471.0	-	498.0	Massive replacement carbonate; very little mineralization.
498.0	-		Serpentinous carbonate schist.

END OF HOLE

July, 1945

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-44

Drilled by Labine
Logged by W.P. Corking.

Bearing:
Dip :

Location

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
6728	Lean banded iron formation with a little quartz Fwm - pyrite; pyrrhotite and some magnetite	24.2 - 26.8	2.6	Tr.	Tr.
6729	Brown andesite schist - 2" quartz - a little pyr. As.	31.6 - 36.3	4.7	0.03	1.05
6730	Brown andesite schist with a few quartz veinlets FWM - disseminated fine pyrite - Arsenopyrite	41.7 - 43.8	2.1	0.03	1.05
6731	Cherty banded iron formation 5% quartz veinlets FWM pyrite; pyrrhotite and a little As. locally	63.1 - 66.7	3.6	0.02 (0.01)	0.70
6732	Brown andesite schist - VLM	66.7 - 69.7	3.0	(VLM)	0.35
6733	Brown andesite schist - 2% quartz and carbonate - a little disseminated pyrite - arsenopyrite	69.7 - 74.2	4.5	Tr.	Tr.
6734	Do. 6" vein quartz - FWM pyr; pyrrh; as.	74.2 - 75.3	1.1	0.04	1.40
6735	Brown-grey slightly gn andesite schist - a little quartz carbonate	75.3 - 70.4	4.1	Tr.	Tr.
6736	Do.	79.4 - 84.4	5.0	0.01	0.35
6737	Brown andesite schist with 20% irregular quartz strcs; (vermiform) FWM; pyrite; pyrrhotite; & locally, As.	218.8 - 221.6	2.8	0.02	0.70
6738	Brown andesite schist - a few qtz. strcs & a little pyr	221.6 - 226.2	4.6	0.01	0.35

SLUDGES

Casing core		0.01(?)	0.35(?)					
-				150	-	160	0.02	0.70
0.0	- 40.0	0.05	1.75	160	-	170	0.01	0.35
40.0	- 50.0	Tr.	Tr.	170	-	180	Tr.	Tr.
50	- 60	0.06	2.10	180	-	190	Tr.	Tr.
60	- 70	Tr.	Tr.	190	-	200	0.01	0.35
70	- 80	0.02	0.70	200	-	210	0.01	0.35
80	- 90	0.01	0.35	210	-	220	Tr.	Tr.
90	- 100	Tr.	Tr.	220	-	230	Tr.	Tr.
100	- 110	Tr.	Tr.	230	-	240	0.03	1.05
110	- 120	Tr.	Tr.	240	-	250	0.01	0.35
120	- 130	Tr.	Tr.	250	-	260	0.01	0.35
130	- 140	0.04	1.40	260	-	270	Tr.	Tr.
140	- 150	Tr.	Tr.	270	-	280	-	-
150	- 160	0.02	0.70	280	-	290	-	-
				290	-	300	-	-

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

GEOLOGY

0.0	-	16.0	Casing.
16.0	-	20.7	Massive dioritic andesite.
20.7	-	21.6	Younger intrusive diorite
21.6	-	23.9	Core ground
23.9	-	26.8	Banded iron formation
26.8	-	31.0	Younger intrusive diorite
31.0	-	36.0	Brown andesite schist.
36.0	-	41.7	Green andesite.
41.7	-	44.0	Brown andesite schist.
44.0	-	63.1	Grey-green andesite schist.
63.1	-	66.9	Banded cherty iron formation and some probable tuffy sediment.
66.9	-	88.0	Brown andesite schist.
88.0	-	301.0	Grey-green andesite schist - amygdaloidal and highly disturbed - a few local brown altered sections.

301.0

END OF HOLE

August 1945

DIAMOND DRILL LOG

DDH M-46*

Bearing:

Dip :

Location:

Drilled by Anjoed

Logged by W.P. Corring

No.	Description	Footage	Length	Assay oz/Ton	Value \$/Ton
6800	Brown andesite schist with a little carbonate & a little pyrite & pyrrhotite	95.6 - 98.7	3.1	Tr.	Tr.
6914	Do.	98.7 - 100.6	1.9	Tr.	Tr.
6915	Do. including 12" 30% carbonate FWM pyrite & pyrrh., and a little arsenopyrite and zinc	100.6 - 103.6	3.0	Tr.	Tr.
6916	Do. including 10% quartz and a little carbonate FWM with pyrite, zinc and a little arsenopyrite	103.6 - 105.4	1.8	0.03	1.05
6917	Cherty brecciated iron formation FWM coarse As & pyr	133.6 - 134.9	1.3	0.01	0.35
6918	Cherty brecciated iron formation FWM pyr; pyrrh; and a little arsenopyrite	134.9 - 137.2	2.3	0.03	1.05
6919	Iron formation FWM pyrite, pyrrhotite	137.2 - 139.9	2.7	Tr.	Tr.
6920	Altered and sheared andesite schist - a.l. pyr, pyrr	139.9 - 142.6	2.7	0.02	0.70
6921	Do.	142.6 - 145.2	2.6	Tr.	Tr.
6922	Do.	145.2 - 149.5	4.3	Tr.	Tr.
6923	Lean cherty iron formation - some quartz and carb; FWM pyr; pyrrh; traces chalc	258.9 - 261.7	2.8	0.01	(0.01) (0.35)
6924	Do.	261.7 - 265.5	3.8	0.01	0.35
6925	Grey brown andesite schist - VLM	265.5 - 268.9	3.4	Tr.	Tr.
6926	Carbonatized andesite schist - a little pyrite, traces arsenopyrite	280.7 - 283.9	3.2	0.01	0.35
401	Do.	283.9 - 286.7	2.8	0.01	0.35
402	Do.	286.7 - 290.0	3.3	Tr.	Tr.
403	Massive vein carbonate and a little quartz; VLM	295.7 - 297.1	1.4	Nil	Nil
404	Brown andesite schist	297.1 - 298.2	1.1	Tr.	Tr.
405	Massive vein carbonate and a little qtz as above VLM	298.2 - 300.9	2.7	Tr.	Tr.
406	Probably sediment and magnetite - a little pyr.	303.0 - 304.9	1.9	0.01	0.35
407	Brown andesite schist with 5% carbonate and a.l. pyr	316.1 - 320.0	3.9	Tr.	Tr.

408	Do. with 8" carbonate - a little pyrite	320.0 - 323.0	3.0	Tr.	Tr.
409	Silicified iron formation VWM pyr; some magnetite	329.2 - 331.4	2.2	0.02	0.70
410	Do.	331.4 - 333.7	3.3	0.01	0.35
411	Brown andesite schist with 10% carbonate - a.l. pyr & As.	333.7 - 336.9	3.2	Tr.	Tr.
412	Siliceous iron formation FWM pyr; pyrhh; As; a little chalco	349.4 - 351.6	2.2	0.14	4.90
413	Do. but no arsenopyrite	351.6 - 354.0	2.4	0.08	2.80
414	Do	354.0 - 356.6	2.6	0.04	1.40
415	6" brown andesite schist and remainder silic. iron formation - mineralized as above	356.6 - 358.1	1.5	0.01	0.35
416	Brown andesite schist - a little carbonate with traces pyr., arsenopyrite	384.9 - 387.2	2.3	Tr.	Tr.
417	10" vein quartz; VWM pyr; As., zns, sulphides; pyrhh.	387.2 - 388.5	1.3	0.02	0.70
418	Gn. andesite schist - a little pyrite	388.5 - 390.6	2.1	Nil	Nil
419	Brown andesite schist with 5% carbonate and a.l. qtz	400.7 - 405.4	4.7	Tr.	Tr.
420	80% vein quartz FWM pyrite - arsenopyrite	405.4 - 407.4	2.0	Tr.	Tr.
421	Brown andesite schist and a little pyrite	407.4 - 408.4	1.0	Nil	Nil
422	Grey-brown gn andesite schist with a feld. qtz stringers and some fine black As. (Note sludges in this box)	473.5 - 475.2	1.7	Tr.	Tr.
469	Brown carbonatized andesite schist with a little quartz - FWM disseminated pyrite	603.0 - 605.0	2.0	0.01	0.35
470	Brecciation - 20% quartz and some carbonate FWM - pyrite and 2" very fine As. (including 12" diorite)	621.6 - 624.6	3.0	Tr.	Tr.
471	Breccia. & a little qtz - 30% fine dissem. pyr and 40% very fine diss. Arsenopyrites - refractured	624.6 - 626.4	1.8	Tr.	Tr.
472	Brecciation - a little pyrite	626.4 - 628.4	2.0	Tr.	Tr.
473	Very massive uniform quartz - sericitic schist and a little pyrite and 4" glassy quartz	628.4 - 632.8	4.4	Tr.	Tr.
474	80% vein quartz and carbonate @ a little pyr; pyrhh	662.4 - 664.6	2.2	0.01	0.35
475	Grey brown andesite schist with 10% carbonate VLM	665.3 - 667.8	2.5	Tr.	Tr.
476	Do., with 40% carbonate - FWM pyr; pyrhh & a.l. As	667.8 - 669.5	1.7	Tr.	Tr.

477	Brown andesite schist with 20% quartz-carb; VLM	669.5 - 672.9	3.4	Tr.	Tr.
478	Carbonate - brown andesite schist with 2" qtz., VWM - pyrite and fine arsenopyrite	683.3 - 684.2	0.9	0.01	0.35
479	Green andesite schist with 2", 1" quartz FWM pyrite, pyrrhotite and arsenopyrite	699.9 - 701.2	1.3	0.02	0.70
480	6" heavy mineral with quartz (pyrrh . & pyr.)	736.8 - 737.3	0.5	Tr.	Tr.
481	5" quartz - very little mineralization	743.8 - 744.5	0.7	0.03	1.05

SLUDGES

37	-	40	.16	5.60	400	-	410	0.01	0.35
50	-	60	0.01	0.35	410	-	420	0.01	0.35
70	-	80	0.01	0.35	420	-	430	Tr.	Tr.
80	-	90	Tr.	Tr.	430	-	440 ^{1/2}	Tr.	Tr.
90	-	100	Tr.	Tr.	440	(450')	Nil	Nil	Nil
100	-	110	Tr.	Tr.	450	-	460	Nil	Nil
110	-	120	0.01	0.35	460	-	470	Tr.	Tr.
130	-	140	Tr.	Tr.	470	-	480	Tr.	Tr.
140	-	150	0.02	0.70	480	-	490	0.01	0.35
150	-	160	0.01	0.35	490	-	500	0.01	0.35
160	-	170	Tr.	Tr.	500	-	510	Tr.	Tr.
170	-	180	Tr.	Tr.	510	-	520	Tr.	Tr.
180	-	190	0.01	0.35	520	-	530	0.01	0.35
190	-	200	Nil	Nil	530	-	540	0.03	1.05
200	-	210	Tr.	Tr.	540	-	550	Tr.	Tr.
210	-	220	Nil	Nil	550	-	560	Tr.	Tr.
220	-	230	Tr.	Tr.	560	-	570	Tr.	Tr.
230	-	240	0.01	0.35	570	-	580	Tr.	Tr.
240	-	250	0.02	0.70	580	-	590	Tr.	Tr.
250	-	260	0.01	0.35	590	-	600	Tr.	Tr.
260	-	270	Tr.	Tr.	600	-	610	0.04	1.40
270	-	280	Tr.	Tr.	610	-	620	?	?
280	-	290	0.01	0.35	620	-	630	0.02	0.70
290	-	300	0.01	0.35	630	-	640	Tr.	Tr.
300 - 310	-	310	0.01	0.35	640	-	650	Tr.	Tr.
310	-	320	0.01	0.35	650	-	660	Nil	Nil
320	-	330	0.04	1.40	660	-	670	0.03	1.05
330	-	340	0.01	0.35	670	-	680	0.01	0.35
340	-	350	0.02	0.70	680	-	690	Tr.	Tr.
350	-	360	0.05	1.75	690	-	700	Tr.	Tr.
360	-	370	0.01	0.35					
370	-	380	0.01	0.35					
380	-	390	Tr.	Tr.					
390	-	400	Tr.	Tr.					

GEOLOGY

0.0	-	37.0	Casing
37.0	-	133.6	Massive green andesite. Probably pillowed.
		88.0 - 96.0	Serpentinous
		96.0 - 105.0	Intense brown alteration FWM.
133.6	-	139.6	Cherty iron formation, lean and apparently brecciated.
139.6	-	148.0	Highly disturbed andesite schist with many quartz and carbonate veinlets; Fairly well mineralized.
148.0	-	259.0	Fairly normal green andesite; weakly schisted to massive.
259.0	-	265.5	Iron formation, cherty brecciated - a little quartz.
265.5	- 3-	303.1	Grey-brown andesite schist with 5 - 10% carbonate veinlets and a little quartz.
303.1	-	304.7	Probably sediment.
304.7	-	329.5	Andesite schist
		316.0 - 329.5	- Brown altered with some quartz and carbonate.
329.5	-	333.3	Very siliceous iron formation - Fairly well mineralized.
333.3	-	349.6	Brown andesite schist.
349.6	-	357.8	Siliceous iron formation - FWM
357.8	-	360.0	Brown andesite schist.
360.0	374.5		Medium grained grey younger intrusive diorite.
374.5	-	349.8	Grey-gn. andesite schist, locally weakly carbonatized, including narrow mineralized quartz vein.
349.8	-	351.9	Fg intrusive porphyry - no eyes.
351.9	-	496.3	Grey gn. andesite schist locally amygdaloidal; considerable carbonatization.
496.3	-	499.1	Fresh grey diorite.
499.1	-	519.5	Grey-green amygdaloidal andesite schist, locally carbonatized weakly.
519.5	-	523.8	Fresh younger intrusive diorite.
523.8	-	549.1	Fairly massive andesite schist - green and grey - weakly gneissoid.
549.1	-	555.5	Fresh younger intrusive diorite.
555.5	-	622.0	Grey-green, weakly carbonatized gn. andesite schist.
622.0	-	628.4	Agglomerate and quartz and heavy mineralization; possibly a crush brecciation;
		623.9 - 624.7	Diorite.
628.4	-	632.9	Quartz - sericitic - probably of porphyritic origin - could be quartzite.
		632.9 - 646.8	- Diorite dike.
646.8 - 648.0	G		Grey sericite as above, grading into
648.0	-	661.4	Normal quartz sericite porphyry schist - some feldspars and WO ₃
661.4	-	662.4	Ground core.
662.4	-	678.0	Very highly carbonatized - grey black andesite schist - some quartz.
678.0	-		Grading into less carbonatized brown andesite schist but highly altered.

August 1946.

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-47

Bearings:
Dip :

Location

Drilled by Labine
Logged by W.P. Corking

No.	Description	Footage	Length	Assay Oz/Ton	Value ¢/Ton
6775	Sediment - a little pyrite and pyrrhotite	14.7 - 20.4	0.7	Tr.	Tr.
6776	Do.	29.7 - 30.4	0.7	0.01	0.01
6777	Tuff sediment a little pyrite & pyrrhotite	45.8 - 46.6	0.8	Tr.	Tr.
6778	Brown andesite schist - VLM	46.6 - 47.9	1.3	Tr.	Tr.
6779	Grey tuff sediment	47.9 - 50.0	2.1	Tr.	Tr.
6780	Brown andesite schist - a little pyrite; pyrrhotite a little quartz	50.0 - 51.1	1.1	0.01	0.35
6781	Grey tuff sediment - FVM pyrite & pyrrhotite	62.7 - 66.7	4.0	0.02	0.70
6782	Brown andesite schist with 5% quartz in 1", 2" stringers; VLM - pyrite - arsenopyrite	81.9 - 84.5	2.6	0.01	0.35
6783	Grey andesite schist	84.5 - 85.8	1.3	0.02	0.70
6784	30% quartz-carbonate - a little pyrite	85.0 - 87.6	1.8	Tr.	Tr.
6785	Brown andesite schist with a little quartz FVM Pyr	99.5 - 101.6	2.1	0.01	0.35
6786	Silic. iron formation with 2% quartz - a little pyr. pyrrhotite and arsenopyrite	101.6 - 105.8	3.7 (2.7)	0.02	0.70
6787	Do. FVM - pyrite, pyrrhotite - a little arseno.	105.8 - 108.0	(108.00)	0.40	14.00
6788	Banded gray gn. andesite schist with a few string- ers - a little pyrite & pyrrhotite	108.0 - 110.3	2.1	0.01	0.35
6789	Do.	110.0 - 112.0	1.9	0.01	0.35
6792	Brownish gn andesite schist with 15% quartz-carb. VLM	164.8 - 167.5	2.7 Wr.	Tr.	Tr.
6793	6" quartz carbonate - VLM	178.1 - 179.1	1.0	Tr.	Tr.
6794	Carbonatized gn. andesite schist with a little qtz	179.1 - 182.1	3.0	Tr.	Tr.
6795	Do.	185.5 - 188.9	3.4	Nil	Nil
6796	Carbonatized gn. andesite schist - a few stringers	187.7 - 195.7	2.0	0.04	1.40
6797	Do. with 6" quartz VVM - pyrite and a little silic	195.7 - 197.4	1.7	0.01	0.35
6798	Carbonatized brown gn. andesite schist - a.l. pyr	197.4 - 200.0	2.6	0.03	1.05
6799	2" quartz in massive lava (andesite) VVM pyr; silic and a little sulphides	235.4 - 235.9	0.5	Tr.	Tr.

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

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444	Massive dioritic andesite and a few narrow glassy quartz stringers - Traces of arsenopyrites	571.9 - 574.9	3.0	Tr.	Tr.
445	Do. 50% quartz as above	574.9 - 576.2	1.5	Tr.	Tr.
446	Do. including 1" quartz - trace arsenopyrites	576.2 - 579.2	3.0	Tr.	Tr.
447	Grey-brown gn. andesite schist with 10% quartz stringers with some carbonate FWM pyr; pyrrh.	437.8 - 439.9	2.1	0.20	7.00
448	Grey gn. andesite schist with a little quartz and carbonate locally FWM pyr; pyrrhotite	439.9 - 443.2	3.3	001	0.55
449	Do	443.2 - 447.0	3.8	N11	N11
450	3" quartz and a little carbonate - VLM	454.9 - 455.7	0.8	N11	N11
451	Grey-brown gn. andesite schist with 30% qtz-carb.	457.8 - 459.8	2.0	Tr.	Tr.
452	Mainly vein carbonate, locally a little pyrite, As., pyrrh., chalc in carbonatized walls	459.8 - 461.2	1.4	Tr.	Tr.
453	Brown andesite schist with 10% qtz-carb. VLM	461.2 - 463.3	2.1	N11	N11
454	Brown andesite schist - a little quartz carbonate, traces sulphides	463.3 - 468.5	(5.2) (468.5)Tr		Tr. N11
455	Grey gn. andesite schist - 20% qtz. carb. VLM	468.5 - 469.8	1.3	N11	N11
456	Grey gn. andesite schist with 10% qtz-carb. veinlets - a little pyr; pyrrhotite	498.5 - 500.7	2.2	0.04	1.40
2601	Weakly brown altered andesite schist VLM	512.3 - 515.6	3.3	Tr.	Tr.
2602	Do. 2% quartz and carbonate - VLM	515.6 - 518.9	3.3	N11	N11
2603	Do. a little quartz (1%) VLM	518.9 - 522.5	3.6	Tr.	Tr.
2604	Green brown gn. andesite schist - massive	522.5 - 524.9	2.4	Tr.	Tr.
2605	Do. 1% quartz	524.9 - 528.4	3.5	N11	N11
2606	Green gn. andesite schist with 2% quartz str. VLM	528.4 - 530.2	1.8	Tr.	Tr.
2607	Grey gn. andesite schist VLM	530.2 - 533.3	3.1	Tr.	Tr.
2608	Brown andesite schist with a few str - a.l pyr. & pyrrh.	560.5 - 564.4	3.9	N11	N11
2609	Do.	564.4 - 566.7	2.3	Tr.	Tr.
2610	3" quartz and a little pyrite and arsenopyrite	575.0 - 575.9	0.9	0.02	0.70
2611	Brown andesite schist with 10% quartz - carbonate traces pyr; pyrrh; arsenopyrite	592.5 - 594.9	2.4	0.01	0.35

DIAMOND DRILL LOG
 10 FURNEY ROAD LAKE GOLD MINES LTD

DDH No. M-47

2612	3" carbonate, VWM - pyrrhotite	599.2 - 600.0	0.8	Tr.	Tr.
2613	Porphyry, a little pyrite and pyrrhotite	606.1 - 610.9	4.8	Tr.	Tr.
2614	Brown andesite schist with 10% quartz and carbonate - a little pyrite and pyrrhotite	610.9 - 612.2	2.3	Nil	Nil
2615	Do.	612.2 - 616.6	3.3	Tr.	Tr.
2616	Do.	616.6 - 618.9	3.4	Nil	Nil
2618	Green gn. andesite schist - 20% quartz stringers VWM - pyrite, zinc	639.4 - 640.5	1.1	0.02	0.70
2617	Brown andesite schist and porphyry - a little quartz with pyrite, zinc	651.9 - 654.3	2.4	Tr.	Tr.
2619	Ser. porphyry and a little quartz - FWM pyrite, zinc - (VO ₃)	657.2 - 659.7	2.5	Tr.	Tr.
2620	Do. more quartz (5%) and better sulphides - some FWS	659.7 - 661.7	2.0	0.06	2.10
2621	Ser. porphyry - a little quartz and traces pyr; ans	661.7 - 663.7	2.0	Tr.	Tr.
2622	Porphyry and andesite schist - 1" massive pyr; and 2" quartz VWM pyr; pyrrh - chalcoc	663.7 - 664.8	1.1	Tr.	Tr.

SLUDGES

0.0	-	30	0.01	0.35	270	-	280	0.01	0.35
30	-	40	Tr.	Tr.	280	-	290	Tr.	Tr.
40	-	50	0.04	1.40	290	-	300	Tr.	Tr.
50	-	60	0.01	0.35	300	-	310	Tr.	Tr.
60	-	70	Tr.	Tr.	310	-	320	Tr.	Tr.
70	-	80	Tr.	Tr.	320	-	330	0.01	0.35
80	-	90	0.03	1.05	330	-	340	0.01	0.35
90	-	100	Tr.	Tr.	340	-	350	Tr.	Tr.
100	-	110	0.16	5.60	350	-	360	0.04	1.40
110	-	120	0.01	0.35	360	-	370	0.01	0.35
120	-	130	Tr.	Tr.	370	-	380	0.02	0.70
130	-	140	-	-	380	-	390	Tr.	Tr.
140	-	150	Tr.	Tr.	390	-	400	Tr.	Tr.
150	-	160	0.06	2.10	400	-	410	Tr.	Tr.
160	-	170	0.02	0.70	410	-	420	0.01	0.35
170	-	180	Tr.	Tr.	420	-	430	0.04	1.40
180	-	190	Tr.	Tr.	430	-	440	Tr.	Tr.
190	-	200	Tr.	Tr.	440	-	450	Nil	Nil
200	-	210	0.01	0.35	450	-	460	Nil	Nil
210	-	220	Tr.	Tr.	460	-	470	Tr.	Tr.
220	-	230	Tr.	Tr.	470	-	480	Tr.	Tr.
230	-	240	0.01	0.35	480	-	490	Nil	Nil
240	-	250	Tr.	Tr.	490	-	500	Tr.	Tr.
250	-	260	Tr.	Tr.	500	-	510	Tr.	Tr.
260	-	270	Tr.	Tr.	510	-	520	0.04	1.40

520	-	530	0.20	7.00	660	-	670	0.04	1.40
530	-	540	0.01	0.35	670	-	680	0.01	0.35
540	-	550	Tr.	Tr.	680	-	690	Tr.	Tr.
550	-	560	Tr.	Tr.	690	-	700	Tr.	Tr.
560	-	570	Tr.	Tr.	700	-	710	Tr.	Tr.
570	-	580	0.01	0.35	710	-	720	Nil	Nil
580	-	590	0.01	0.35	720	-	730	Tr.	Tr.
590	-	600	0.02	0.70	730	-	740	0.01	0.35
600	-	610	Nil	Nil	740	-	750	Tr.	Tr.
610	-	620	0.02	0.70	750	-	760	0.01	0.35
620	-	630	0.01	0.35	760	-	770	0.01	0.35
630	-	640	0.01	0.35	770	-	780	Tr.	Tr.
640	-	650	Tr.	Tr.	780	-	790	Tr.	Tr.
650	-	660	Tr.	Tr.					

GEOLOGY

0.0	-	17.2	Casing
17.2	-	45.8	Grey gn. andesite schist, massive. 19.7 - 20.4 impure sediment 29.7 - 30.4 " "
45.8	46	46.6	Impure sediment
46.6	-	48.0	Brown andesite schist.
48.0	-	50.0	Tuffaceous sediment
50.0	-	63.2	Brown andesite schist.
63.2	-	66.7	Grey tuffaceous sediment.
66.7	-	69.5	Massive grey gn. andesite schist.
69.5	-	72.0	Younger intrusive diorite.
72.0	-	77.4	Grey massive gn. andesite schist.
77.4	-	80.0	Younger intrusive diorite.
80.0	-	88.7	Massive grey gn. andesite schist. 81.4 - 84.4 Brown alteration and a little mineralized quartz.
88.7	-	90.7	Younger intrusive diorite.
90.7	-	101.7	Grey-brown andesite schist - a few stringers.
101.7	-	107.9	Cherty iron formation Fairly well mineralized and some quartz.
107.9	-	220	Grey andesite schist, quite siliceous - well banded.
	(approx.)		180 - 211 - zone of carbonate with many quartz and carbonate stringers (up to 30 - 40%); not much mineralization.
220.0	-	436.0	Grading into more normal green slightly banded andesite, then becoming very massive and uniform.
436.0	-	513.3	Grey gn. andesite schist with stringers. Disturbed locally. 490.5 - 496.8 Younger intrusive diorite. 508.0 - 513.3 - " " " 513.3 - 603.3 Normal massive andesite, slightly gneissoid locally - a little brown 603.3 - 606.1 Diorite
606.1	-	610.9	Sericitic porphyry and (Wog ?)
610.9	-	621.0	Brown amygdaloidal andesite schist with a little carbonate in veinlets.
625.0	-	625.0	Grey-green gn. andesite schist.
625.0	-	624.1	Sericitic porphyry with a little quartz, pyrite, zinc.
624.1	-	627.2	Diorite.
627.2	-	621.0	Porphyry as above.
621.0	-	791.0	Grey-green gn. andesite schist - massive - some active activity near the porphyry. 689.9 - 691.4 Sericitic porphyry

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-47

692.6 - 694.7 Sericitic porphyry.
760.0 - 764.8 Diorite.

794.0

END OF HOLE

August 1946.

DIAMOND DRILL LOG

DDH No. M-48x

Hearing:

MC FINLEY RED LAKE GOLD MINES LTD

Drilled by Prochuk

Dip :

Location:

Logged by W.P. Corking

No.		Footage	Length	Assay Value Oz/Ton	Value \$/Ton
6756	Brown andesite schist with 2% carbonate stringers FWM - pyrite and pyrrhotite	1.1 - 6.0	4.9	Tr.	Tr.
6757	Do.	6.0 - 8.8	2.8	Tr.	Tr.
6758	Sericitic schist (porphyry) FWM pyr; Tr. ans. Pbs	8.8 - 14.0	5.2	Tr.	Tr.
6759	Grey-brown gn. andesite schist with 5% qtz-carbonate; a little pyrite; pyrrhotite	4.0 - 16.9	2.9	0.01	0.55
6760	Do. with 6" quartz and fair arsenopyrite	16.9 - 18.0	1.1	Tr.	Tr.
6761	Grey-brown gn. andesite schist - 5% quartz-carbonate FWM - pyrite - arsenopyrite	18.0 - 21.5	3.5	Tr.	Tr.
6762	Do.	21.5 - 24.4	2.9	Tr.	Tr.
6763	Do. including 2" massive fine arsenopyrite	24.4 - 25.4	1.0	0.03	1.05
6764	Brown andesite schist with 20% carbonate; FWM - pyrite pyrrhotite, arsenopyrite	25.4 - 26.5	1.1	Tr.	Tr.
6765	Do.	26.5 - 28.5	1.8	0.01	0.55
6766	Do. incl. 3", 4" quartz; VWM pyr; arsenopyrite	28.5 - 29.5	1.0	0.01	0.55
6767	Black andesite schist with 10% carbonate FWM pyrite, pyrrhotite and a little arsenopyrite	29.5 - 31.5	2.0	0.01	0.55
6768	Do; 60% carbonate - VWM pyrite, arsenopyrite	31.5 - 33.5	2.5	Tr.	Tr.
6769	Do; 30% carbonate - a little quartz - FWM pyr.	33.5 - 36.5	2.5	0.01	0.55
6770	Do; 40% carbonate - FWM - pyrite; a little arseno.	36.5 - 37.7	1.4	0.03	1.05
6771	Do; not much carbonate	37.7 - 39.0	1.3	Tr.	Tr.
6772	Do.; 60% carbonate - a little pyrite	39.0 - 41.5	2.5	Tr.	Tr.
6773	Sericitic schist (porphyry) FWM pyr; tr Pbs; Zns	41.5 - 45.2	3.9	0.22	7.70
6774	Do.	45.2 - 49.2	4.0	0.03	1.05

GEOLOGY

0.0	-	1.1	Casing
1.1	-	9.0	Brown andesite schist - 5% quartz carbonate stringers - Fairly well-mineralized - pyr; pyrrhotite and a little chalc.
9.0	-	13.8	Sericitic porphyry with few or no eyes; FWM pyrite.

DIAMOND DRILL LOG
MC KINLEY RED LAKE GOLD MINES LTD

18.8 - 41.6 Brown-black andesite schist; slightly gneissoid; 5 - 10% quartz -
carbonate stringers; well mineralized.

41.6 - 49.2 Sericitic schist (porphyry)

49.2 END OF HOLE

Note: DD M-45
Lost Box - 278 - 300; Grey gn. andesite schist.
300 END OF HOLE

August 1945.

DIAMOND DRILL LOG

DDH No. 49x

Bearing:

Drilled by Prochuk

Dip :

Location:

Logged by W.P. Corking.

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
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No Samples.

Sample of M-50x indicates it.

GEOLOGY

0.0 - 1.0 Casing
1.0 - 52.0 Carbonatized grey andesite schist.
52.0 - 60.0 Grey - buff porphyry (sericitic)
60.0 - END OF HOLE

August, 1945

DDH No. M-50x

DIAMOND DRILL LOG

Bearing:
Dip :

Location:

Drilled by Prochuk
Logged by W.P. Corking

No.	Description	Footage	Length	Assay Value	
				Oz/Ton	\$/Ton
424	Rusty iron formation with considerable quartz; FWM - pyrite; pyrrhotite & some arsenopyrite	4.8 - 6.7	1.9	Tr.	Tr.
425	Carbonatized andesite schist; VLM	6.7 - 9.8	3.1	0.01	0.35
426	Do.	9.8 - 14.8	5.0	Tr.	Tr.
427	Do. More carbonate	23.8 - 24.9	1.1	0.01	0.35
428	Carbonatized andesite schist VLM	24.9 - 29.3	4.4	0.01	0.35
429	Do. a little pyrite; pyrrhotite (Test sample	49.2 - 54.2	5.0	0.01	0.35
430	Do. including 6" heavy pyrite, zinc mineralization	54.2 - 56.1	1.9	0.02	0.70
431	8" cherty quartz with a little porphyry; FWM pyrite, zinc and a little chalco	56.1 - 57.6	1.5	0.16	5.60
432	Porphyry with carbonatized andesite schist; FWM, pyr; and a little arsenopyrite	57.6 - 59.1	1.5	0.01	0.35
433	Carbonatized andesite schist & a little pyrite	59.1 - 61.9	2.8	Tr.	Tr.
434	Do. FWM - pyrite	61.9 - 64.2	2.3	Tr.	Tr.
435	Do. FWM - pyrite and a little andesite arsenopyrite	64.2 - 66.6	2.4	Tr.	Tr.
436	Do. FWM - pyrite and a little arsenopyrite	66.6 - 60.2	2.6	0.01	0.35
437	6" ground - Do; FWM - pyrite and a little arsenopyrite	69.2 - 71.8	2.6	0.01	0.35
438	Do. Including some quartz - FWM pyrite - arsenopyrite	71.8 - 74.3	2.5	0.03	1.05
439	Do. Including some quartz VWM, dissem; Pyr; As.	74.3 - 76.3	2.0	0.01	0.35
440	Do. FWM purite and a little arsenopyrite	76.3 - 78.2	1.9	Tr.	Tr.
441	Do. FWM fine pyrite and a little disseminated As; including 2" massive black andesite schist	78.2 - 79.6	1.4	0.04	1.40
442	Do. FWM - pyrite, pyrrhotite	79.6 - 81.1	1.5	0.14	4.90
443	Do., including 9" carbonate - a little pyrite	81.1 0 82.8	1.7	Tr.	Tr.

GEOLOGY

0.0	-	4.8	Casing
4.8	-	6.7	Iron formation and considerable quartz; FWM, pyrite, pyrrhotite, arseno.
6.7	-	83.0	Carbonatized grey andesite schist; 57.3 - 58.3: sericitic schist (porphyry)
83.0	-	129.0	Grading into massive green normal andesite schist.
129.0			<u>END OF HOLE</u>

August 1945.
 Bearing:
 Dip :

DIAMOND DRILL LOG
 Location:

DDH No. 51x
 Drilled by Prochuk
 Logged by W.P. Corking

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
457	A little quartz in gn. andesite schist; a little pyr.	6.0 - 7.9	1.9	Nil	Nil
458	Brown andesite schist with 10% carbonate; a.l. pyr; pyrrh	17.2-18.9	1.7	Tr.	Tr.
459	Banded I.F. - a little qtz; PM but trs. pyr; pyrrh; As	18.9 - 21.7	2.8	0.01	0.35
460	Do.	21.7 - 23.0	1.3	0.01	0.35
461	Do.	23.0 - 24.2	1.2	Tr.	Tr.
462	Andesite schist and banded I.F. with a little quartz mineralized as above	24.2 - 27.0	2.8	Tr.	Tr.
463	Brown andesite schist and a little carbonate ; some pyrite and pyrrhotite	38.6 - 40.0	1.4	Nil	Nil
464	1" qtz. with pyr; pyrrh; As., Pbs & a.l. min. in walls	40.0 - 41.0	1.0	Nil	Nil
465	Brown andesite schist	41.0 - 41.8	0.8	Tr.	Tr.
466	3" quartz and pyr; pyrrh; zinc, As. & Pbs.	41.8 - 42.3	0.5	0.03	1.05
467	Brown andesite schist	42.3 - 42.8	0.5	Tr.	Tr.
468	Mostly quartz; mineralized as above with chalco & garnet.	42.8 - 44.5	1.7	0.03	1.05

GEOLOGY

0.0 - 3.0	Casing
3.0 - 19.4	Grey gn. andesite schist.
19.4 - 24.2	Banded iron formation (Lean) a little quartz - poorly mineralized.
24.2 - 25.1	Green andesite schist.
25.1 - 25.8	Iron formation as above.
25.8 -- 100.0	Gray-black amygdaloidal andesite schist - mineralized quartz stringers at 40.8 (1"), 42.0 (3"); 44.0 (9"), grading at 50.0 to grey gn. andesite schist.
100.0	<u>END OF HOLE</u>

August 1945.

Bearing:

DIAMOND DRILL LOG

DDH No. M-52

Location :

MC FINLEY RED LAKE GOLD MINES LTD

Drilled by Labine

Location

Logged by W.P. Corking

No.	Description	Footage	Length	Assay Oz./Ton	Value \$/Ton
2623	1/2" mineralized quartz in grey andesite schist	17.9 - 18.7	0.8	Tr.	Tr.
2624	Mineralized shear with 12" heavily mineralized blue quartz; pyrite, pyrrhotite, zinc	27.7 - 30.1	2.4	0.04	1.40
2625	Brown andesite schist with a little quartz-carbonate; Traces pyrite, pyrrhotite, chalco	30.1 - 32.3	2.2	Tr.	Tr.
2626	Lean I.F. a little dark grey quartz & some pyr ^s pyrrh.	41.3 - 42.6	1.3	Tr.	Tr.
2627	Do. traces chalco	49.8 - 52.1	2.3	Tr.	Tr.
2628	Brown andesite schist FWM pyr. pyrrh.	57.1 - 60.0	2.9	Tr.	Tr.
2629	Lean silic. Iron formation - a little pyrrhotite	64.6 - 66.8	2.2	Tr.	Tr.
2630	Do.	66.8 - 69.2	2.4	Tr.	Tr.
2631	Do. with 4" irregular blebby qtz; VWM, pyrrh. and a little tension chalco and some arsenopyrite	69.2 - 70.5	1.3	0.04	1.40
2632	Grey-brown andesite schist & a little pyrrhotite - 2" glassy quartz	70.5 - 74.2	3.7	Tr.	Tr.
2633	Brown andesite schist with 2% quartz and a little pyr., zinc, arsenopyrite in the quartz	95.8 - 98.2	2.4	0.02	0.70
2634	Do. 2% quartz and a little pyrite	98.2 - 100.7	2.5	Tr.	Tr.
2635	Do. - to 2% quartz and carbonate VLM	100.7 - 104.4	3.7	Tr.	Tr.
2636	Brown andesite schist with 2% carbonate veinlets; VLM	108.5 - 110.9	2.4	Tr.	Tr.
2637	Lean siliceous iron formation with 10% quartz and carbonate - a little pyrite, pyrrhotite	110.9 - 113.5	2.6	0.02	0.70
2638	Lean I.F. as above FWM pyr; pyrrh & traces As.	113.5 - 117.0	3.5	0.02	0.70
2639	Very massive uniform homogeneous grey gn andesite sch	117.0 - 120.2	3.2	0.01	0.35
2640	Brown andesite schist with 30% carbonate & a.l. qtz VLM	120.2 - 123.3	3.1	Tr.	Tr.
2641	Grey andesite schist with 15% qtz & carb; VLM	123.3 - 126.8	3.5	Nil	Nil
2642	Grey gn. andesite schist with 40% qtz-carb. veinlets Traces pyrite	127.5 - 130.2	2.7	0.01	0.35
2643	4" quartz with a little pyrite, arsenopyrite and silicification with some carbonate	190.2 - 192.0	1.8	Tr.	Tr.

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-52

2644	Brown andesite schist with 20% quartz-carbonate; traces pyrite and pyrrhotite	192.0 - 195.8	3.8	Nil	Nil
2645	Do.	195.8 - 199.7	3.9	Nil	Nil
2646	1 st quartz, VWM - pyrite - a little garnet	215.7 - 216.8	1.1	Tr.	Tr.
2647	Grey-brown andesite schist with 10% quartz and carbonate, VLM	250.0 - 253.0	3.0	Tr.	Tr.
2648	Brown altered dioritic (intrusive) a little finely disseminated pyrite (Arsenopyrite?)	270.3 - 275.2	4.9	Tr.	Tr.
2649	Do.	275.2 - 280.0	4.8	0.02	0.70
2650	Do.	280.0 - 284.8	4.8	0.01	0.35
2651	Do.	284.8 - 288.0	3.2	Tr.	Tr.
2652	Do.	288.0 - 290.2	2.2	Tr.	Tr.

SLUDGES

Casing core		??	182	-	192	0.01	0.35
50	- 60	Tr.	192	-	202	Tr.	Tr.
60	- 70	Tr.	202	-	210	Tr.	Tr.
70	- 80	0.14	210	-	220	0.03	1.05
70	- 80	0.06	220	-	230	Tr.	Tr.
80	- 90	0.01	230	-	240	Tr.	Tr.
90	- 100	Tr.	240	-	250	0.01	0.35
100	- 110	Tr.	250	-	260	Tr.	Tr.
110	- 120	0.01	260	-	270	?	?
120	- 130	0.02	270	-	280	-	-
130	- 140	Tr.	280	-	290	-	-
140	- 150	No pulp	290	-	300	--	-
152	- 162	Tr.					
162	- 172	Nil					
172	- 182	Tr.					

GEOLOGY

0.0	-	14.0	Casing
14.0	-	41.5	Grey brown andesite schist. Brown alteration and shearing with mineralized quartz at 29'
41.5	-	42.5	Lean iron formation
42.5	-	50.0	Grey brown andesite schist.
50.0	-	51.8	Lean iron formation
51.8	-	65.0	Grey brown amygdaloidal andesite schist.
65.0	70.6	75.6	Cherty iron formation or silic. sediment with a little quartz and locally FWM pyrrhotite, arsenopyrite & traces chalco.
70.6	-	87.1	Grey gn. andesite schist.
			80.7 - 82.2 Diorite.
87.1	-	92.7	Coarse diorite

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

- 92.7 - 110.0 Brown andesite schist.
- 110.0 - 117.0 Banded iron formation (lean) - a little quartz and carbonate and a little pyrite and pyrrhotite.
- 117.0 - 270.6 Grey gn. andesite schist with many carbonate stringers and a little quartz; local brown altered areas at the top. Very irregular texture.
- 270.6 - 289.4 Common, brown, uniform medium-grained rock. Looks like brown andesite schist but massive, coarse-grained (dioritic) and not schisted - probably intrusive.
- 289.4 - 309.6 Irregular grey gn. andesite schist.

END OF HOLE

August 1945

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH No. M-53

Bearing:
Dip : -45°Drilled by Anjoced D.D. Co.
Logged by W.P. Corking.

No.	Description	Footage	Length	Assay Value	
				Oz/Ton	\$/Ton
2653	Green andesite with black sediments - 20% carbonate - FWM with pyrite and pyrrhotite	33.5 - 35.9	2.4	Tr	Tr
2654	Black sediments (carbonaceous) with 15 - 20% quartz and carbonate - VWM - pyrite; pyrrhotite; a.l. zinc	35.9 - 38.2	2.3	Tr	Tr
2655	Black sediments - a little quartz-carbonate; FWM - pyrite; pyrrhotite - a little chalc & arsenopyrite	38.2 - 42.2	4.0	Tr	Tr
2656	Do.	42.2 - 45.1	2.9	Tr	Tr
2657	Do.	45.1 - 48.9	3.8	Tr	Tr
2658	Do., with zinc	48.9 - 50.6	1.7	Tr	Tr
2659	Do	50.6 - 53.7	3.1	Tr	Tr
2660	Brown andesite schist with garnets - a little As/pyr	135.8 - 136.5	0.7	.02	0.70
2661	4" barren milky quartz	161.1 - 162.0	0.9	Tr	Tr
2662	Soft carbonatized breccia zone - VLM	218.6 -		222.5	3.9) Tr
2663	Silicified breccia zone - VLM	242.2 - 245.4	3.2	Tr	Tr
2664	Silicified banded Iron Formation with 15% quartz; a little pyrite and pyrrhotite	250.5 - 252.3	1.8	Tr	Tr
2665	Do.	252.3 - 256.0	3.7	Tr	Tr
2666	Spotted rock with a little pyr; pyrrh; chalcopyrite	259.0 - 261.8	2.8	Tr	Tr
2667	Banded iron formation - a little pyrite; pyrrhotite	261.8 - 264.0	2.2	Tr	Tr
2668	Spotted schist - vLM	264.0 - 266.4	2.4	Tr	Tr
2669	Do. with 15% quartz-carbonate; a little pyr; pyrrh; zinc	266.4 - 269.4	3.0	.02	0.70
2670	Brown andesite schist - a little pyrrhotite	269.4 - 272.5	3.1	Tr	Tr
2671	Do; FWM - pyrite - pyrrhotite - possibly sediments	272.5 - 276.4	3.9	.02	0.70
2672	10", 6" quartz and other stringers FWM - pyr; pyrrh	276.4 - 279.3	3.4	Tr	Tr
2201	1.5' ground; Brown andesite schist with 4" sediments(?) FWM - carbonatized and FWM pyrite & pyrrhotite	279.3 - 283.5	4.2	Tr	Tr
2202	Brown andesite schist - FWM pyrite & pyrrhotite	286.4 - 288.1	1.7	Tr	Tr

MC FINLEY RED LAKE GOLD MINES LIMITED

2203	4" quartz-carbonate - a little pyrrhotite	334.5 - 336.1	1.6	Tr	Tr
2204	Green andesite schist with 3" quartz-carbonate VLM	337.7 - 340.4	2.7	Tr	Tr
2205	Green andesite schist - VLM	340.4 - 345.4	5.0	Tr	Tr
2206	Silicified andesite schist with 10% quartz stringers VLM	345.4 - 347.6	2.2	Tr	Tr
2207	80% vein quartz - nicely mineralized - pyrrhotite, and a little pyrite, zinc, galena, chalcopyrite (Note: the core in this box mislaid and relaid) (by me - - (signed W.P.S))				
2208	Green andesite schist - 4" carbonate - VLM	349.5 - 352.0	2.5	Tr	Tr
2209	Brown andesite schist with 5% carbonate veinlets which are FWM - pyrite; pyrrhotite and a little zinc, galena, chalcopyrite	356.6 - 371.4	4.8	Tr	Tr
2210	Do; VWM - pyrite, pyrrhotite & fair chalcopyrite	371.4 - 374.2	2.8	.02	0.70
2211	Banded sediments (Iron formation with 5% quartz and carbonate; FWM - pyrite & pyrrhotite	374.2 - 376.6	2.4	Tr	Tr
2212	Brown andesite schist - FWM - pyrite; pyrrhotite and a little chalcopyrite	376.6 - 377.9	1.3	Tr	Tr
2213	Brown andesite schist with 20% carbonate and a little quartz; VWM - fine arsenopyrite, pyrite and pyrrhotite	377.9-379.0	1.1	Tr	Tr
2214	Brown andesite schist with a few quartz-carbonate veinlets; FWM - pyrite; pyrrhotite	379.0 - 387.0	3.0	Tr	Tr
2215	Brown andesite schist	407.6 - 408.7	1.1	Tr	Tr
2216	Contorted Iron Formation - VWM - pyrrh; a little pyrite, chalcopyrite - 10% quartz	408.7 - 411.0	2.3	.02	0.70
2217	Carbonatized brown andesite schist; FWM - pyr; pyrrh	411.0 - 413.6	2.6	Tr	Tr
2218	Do.	413.6 - 416.1	2.5	.02	0.70
2219	Do.	416.1 - 418.0	1.9	Tr	Tr
2220	Banded Iron Formation - FWM - pyr; pyrrh - no quartz	420.3 - 421.3	1.0	Tr	Tr
2221	Sericite schist (porphyry) - $\frac{1}{2}$ " quartz - VLM	432.0 - 434.7	2.7	Tr	Tr
2222	80% glossy blue quartz VWM - a little chalco & pyr.	434.7 - 436.4	1.7	Tr	Tr
2223	Green andesite schist and brecciated Iron Formation; a little quartz - FWM - pyr; pyrrh.	437.6 - 439.9	2.3	Tr	Tr

2224	Banded Iron Formation - VIM	448.1 - 450.4	2.3	Tr	Tr
2225	Brown andesite schist with 2% quartz-carbonate a little pyrite and pyrrhotite	450.4 - 453.3	2.9	Tr	Tr
2226	60% quartz-carbonate - a little pyrite; pyrrhotite	453.3 - 454.2	0.9	Tr	Tr
2227	Brown andesite schist	454.2 - 456.8	2.6	Tr	Tr
2228	Brown andesite schist	456.8 - 460.3	3.5	Tr	Tr
2229	Cherty banded Iron Formation - a little pyr; pyrrh.	460.3 - 463.6	3.3	.02	0.70
2230	Intrusive diorite	463.6 - 468.9	5.3	Tr	Tr
2231	Iron Formation as above - also a little arsenopyrite	468.9 - 470.8	1.9	.04	1.40
2232	Normal grey andesite s	470.8 - 472.7	1.9	Tr	Tr
(2233	Siliceous banded Iron Formation with 10% quartz; FVM - pyr;	491.3 - 494.3	3.0	.03	1.05
2234	Do; - (no porphyry)	494.3 - 496.1	1.8	.04	1.40
2235	Do; includes 4" quartz and 6" greenstone inclusion; Locally VVM - medium-grained arsenopyrite	496.1 - 498.4	2.3	.02	0.70
2236	Gneissoid brown andesite schist - a little pyr; pyrrh.	498.4 - 500.9	2.5	Tr	Tr
2237	Do;	500.9 - 503.3	2.4	Tr	Tr
2238	Carbonatized - brown andesite schist - a little pyrite and pyrrhotite	503.3 - 506.8	3.5	Tr	Tr
2239	Mostly silicified sediments with 10" quartz - all highly mineralized (50% pyrite; 2% arsenopyr; 2% Zns	506.8 - 508.9	(2.1 (04	.04	1.40
2240	Siliceous breccia with 4" quartz and 40% pyrite; 30% arsenopyrite	508.9 - 510.3	1.4	.05	1.75
2241	80% fine arsenopyrite in siliceous matrix- some pyr.	510.3 - 512.3	2.0	Tr	Tr
2242	30 - 40% fine arsenopyrite in siliceous matrix (porphyry?) 10% quartz and some pyrite	512.3 - 514.9	2.6	.02	0.70
2243	Siliceous matrix (fragmented fragmental) with 20% fine arsenopyrite and 20% fine pyrite	514.9 - 517.4	2.5	.02	0.70
2244	Altered sericitic porphyry and 10% fine pyrite with 5% fine arsenopyrite	517.4 - 520.3	2.9	Tr	Tr
2245	Altered porphyry - 10% pyrite in the first 12" - otherwise, very little mineralization	520.3 - 524.0	3.7	Tr	Tr
2246	Altered porphyry with 10% fine pyrite - 5% fine As.	524.0 - 526.3	2.3	Tr	Tr
2247	Brown andesite schist	526.3 - 528.8	2.5	Tr	Tr

2248	(6" ground); Quartz and brecciated siliceous matrix; with 30% pyrite - 10% arsenopyrite	528.8 - 531.5	2.7	.03	1.05
2249	Later diorite	531.5 - 535.0	3.5	Tr	Tr
2250	Siliceous matrix (brecciated) with 5% quartz and 40% fine arsenopyrite; 30% fine pyrite	535.0 - 538.4	3.4	-	-
2251	Do;	538.4 - 541.0	2.6	Tr	Tr
2252	Do;	541.0 - 543.1	3.1	.02	0.70
2253	Do;	543.1 - 545.1	2.0	.05	1.75
2254	Do; including transition to slightly less siliceous and chloritic ground mass	545.1 - 547.3	2.2	.02	0.70
2255	Chloritic - siliceous ground mass (altered andesite?) as above with 10% quartz - 30% arsenopyrite - 30% pyr.	547.3 - 549.8	2.5	.04	1.40
2256	Do; Mineralization changes to 50% pyrite, very little arsenopyrite and 5% pyrrhotite	549.8 - 552.3	2.5	.03	1.05
2257	Do; (4" ground)	552.3 - 556.0	4.7	.03	1.05
2258	Do; with 10% arsenopyrite	556.0 - 558.6	2.6	.15	5.25
2259	Do; mineralization 40% pyrite; 10% pyrrhotite and a little arsenopyrite	558.6 - 561.0	2.4	.05	1.75
2260	Do; - possibly silicified Iron Formation - 15% pyrite 10% pyrrhotite and a little arsenopyrite	561.0 - 563.3	2.3	.04	1.40
2261	Dark, siliceous brecciated Iron Formation (?) - some garnet - fairly well mineralized - pyrite; pyrrhotite	563.3-566.4	3.1	.09	3.15
2262	Do; Heavily mineralized - fine pyr; pyrrh; arseno.	566.4 - 569.9	3.5	.04	1.40
2263	Green gneissoid andesite schist - rel. light min'z'n	569.9 - 572.6	2.7	Tr	Tr
2264	Brown andesite schist - a little pyrite and pyrrhotite	572.6 - 576.2	3.6	Tr	Tr
2265	Do; with 5% carbonate	576.2 - 580.2	4.0	Tr	Tr
2266	Brecciated siliceous matrix with 30% fine pyrite; 30% fine arsenopyrite	611.8 - 614.9	3.1	.03	1.05
2267	Do;	614.9 - 617.2	2.3	.02	0.70
2268	Chloritic andesite schist and some silicification and carbonate FWM - pyrite and a little local arseno.	617.2 - 619.6	2.4	.01	0.35
2269	Highly carbonatized andesite schist with 20% irregular quartz - FWM - pyrite	655.5 - 659.2	3.7	Tr	Tr

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

DDH-M-53

2270	Sericitic porphyry with 2" quartz	659.2 - 660.2	1.0	Tr	Tr
2271	Carbonate-andesite schist - FWM - pyrite	677.7 - 679.9	2.2	Tr	Tr
2272	Do; - 12" ground	679.9 - 685.0	5.1	Tr	Tr
2273	Carbonate - serpentine ^(schist) schist - 2", 4" white quartz VLM	744.2 - 747.4	3.2	Tr	Tr
2274	Do; (no quartz)	747.4 - 748.8	1.4	Tr	Tr
2275	Dark grey dike - FWM - pyrite	748.8 - 752.0	3.2	Tr	Tr
2276	(752.0 - 754.3) Do;	752.0 - 754.3	2.3	Tr	Tr
2277	Do;	754.3 - 758.0	3.7	Tr	Tr
2278	Do;	758.0 - 760.5	2.5	Tr	Tr
2279	Carbonate - serpentine schist - a little pyrite	760.5 - 765	4.5	Tr	Tr

SLUDGE ASSAYS

30	-	40	.01	0.35				
40	-	50	.01	0.35	370	-	380	.02 0.70
50	-	60	Tr	Tr	380	-	390	.06 2.10
60	-	70	Tr	Tr	390	-	400	.02 0.70
70	-	80	.04	1.40	400	-	410	.02 0.70
80	-	90	.01	0.35	410	-	420	Tr Tr
90	-	100	Tr	Tr	420	-	430	Tr Tr
100	-	110	Nil	Nil	430	-	440	Nil Nil
110	-	120	Tr	Tr	440	-	450	Tr Tr
120	-	130	Tr	Tr	450	-	460	.04 1.40
130	-	140	Tr	Tr	460	-	470	.04 1.40
140	-	150	Tr	Tr	470	-	480	.01 0.35
150	-	160	Nil	Nil	480	-	490	.01 0.35
160	-	170	Tr	Tr	490	-	500	.38 13.30
170	-	180	.01	0.35	500	-	510	.20 7.00
180	-	190	.01	0.35	510	-	520	.10 3.50
190	-	200	Tr	Tr	520	-	530	.07 2.45
200	-	210	Tr	Tr	530	-	540	.06 2.10
210	-	220	Nil	Nil	540	-	550	.03 1.05
220	-	230	Nil	Nil	550	-	560	.08 2.80
230	-	240	Tr	Tr	560	-	570	.10 3.50
240	-	250	Tr	Tr	570	-	580	.04 1.40
250	-	260	?	?	580	-	590	.02 0.70
260	-	270	Tr	Tr	590	-	600	.02 0.70
270	-	280	?	?	610	-	620	Tr Tr
280	-	290	Tr	Tr	620	-	630	Tr Tr
290	-	300	Tr	Tr	630	-	640	.02 0.70
300	-	310	Tr	Tr	640	-	650	Tr Tr
310	-	320	Tr	Tr	650	-	660	Tr Tr
320	-	330	?	?	660	-	670	Tr Tr
330	-	340	.04	1.40	670	-	680	Tr Tr
340	-	350	.01	0.35	680	-	690	Tr Tr
350	-	360	.05	1.75	690	-	700	Tr Tr
360	-	370	.02	0.70	700	-	710	Tr Tr

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LTD

DDH - M-55

710	-	720	Tr	Tr	750	-	760	.02	0.70
720	-	730	Tr	Tr	760	-	770	.04	1.40
730	-	740	.02	0.70					
740	-	750	.02	0.70					

CHECK SAMPLING OF OTHER HALF OF CORE - ASSAYED
BY ONTARIO DEPARTMENT OF MINES.

1601	Check on	2237			500.9 - 503.3	2.4	Nil	Nil	
1602	Check on	2238			503.3 - 506.8	3.5	Nil	Nil	
1603	Check on	2239			506.8 - 508.9	2.1	Tr	Tr	
1604	"	2240			508.9 - 510.3	1.4	Nil	Nil	
1605	"	2241			510.3 - 512.3	2.0	.01	0.35	
1606	"	2242			512.3 - 514.9	2.6	.02	0.70	
1607	"	2243			514.9 - 517.4	2.5	.01	0.35	
1608	"	2244			517.4 - 520.3	(2.9 01	0.35)	
1609	"	2245			520.3 - 524.0	3.7	Nil	Nil	
1610	"	2246			524.0 - 526.3	2.3	.01	0.35	
1611	"	2247			526.3 - 528.8	2.5	Nil	Nil	
1612	"	2248			528.8 - 530.5	2.7	.01	0.35	
1613	"	2249			531.5 - 535.0	3.5	Nil	Nil	
1614	"	2250			535.0 - 538.4	3.4	Tr	Tr	
1615	"	2251			538.4 - 541.0	2.6	.02	0.70	
1616	"	2252			541.0 - 543.1	2.1	.01	0.35	
1617	"	2253			543.1 - 545.1	(2.0 2.4	.01	0.35	
1618	"	2254			545.1 - 547.3	2.2	.04	1.40	
1619	"	2255			547.3 - 549.8	2.5	.02	0.70	
1620	"	2256			549.8 - 552.3	2.5	.01	0.35	
1621	"	2257			552.3 - 556.0	3.7	.01	0.35	
1622	"	2258			556.0 - 558.6	2.6	.02	0.70	
1623	"	2259			558.6 - 561.0	2.4	.03	1.05	

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

Drill No.	Remarks	Interval (m)	Depth (m)	Time (min)	Cost (\$)
1624	Check on 2260	561.0 - 563.3	2.3	0.02	0.70
1625	" 2261	563.3 - 566.4	3.1	.34	\$11.90
1626	" 2262	566.4 - 569.9	3.5	.02	0.70
1627	" 2263	569.9 - 572.6	2.7	.15	5.25
1628	" 2264	572.6 - 576.2	3.6	.01	0.35
1629	" 2265	576.2 - 580.2	4.0	.01	0.35

GEOLOGY

0.0	-	32.0	Casing
32.0	-	35.0	Green andesite schist.
35.0	-	52.8	Typical black - carbonaceous sediments; considerably contorted - 10 - 20% quartz and carbonate stringers and 10 - 20% pyrite and pyrrhotite.
52.8	-	218.6	Grey-green andesite - a few glossy quartz stringers VLM.
218.6	-	222.5	Soft carbonatized breccia zone - VLM.
222.5	-	241.5	Serpentine schist.
241.5	-	245.3	Brecciated silicified zone.
245.3	-	250.5	Green andesite.
250.5	-	256.0	Cherty banded Iron Formation.
256.0	-	259.0	Core ground.
259.0	-	261.8	Light buff spotted flow(?)
261.8	-	263.6	Banded Iron Formation.
263.6	-	269.2	As 259 - 261.
269.2	-	283.5	Brown andesite schist and stringers.
283.5	-	286.5	Diorite.
286.5	-	286.5	
286.5	-	--	Normal green andesite schist.
286.5	-	286.5	Diorite
286.5	-	288.0	Brown andesite schist.
288.0	-	366.0	Fairly well mineralized - fairly normal green andesite - massive. 334.0 - 352.0 Numerous quartz stringers with minor carbonate. Relatively poorly mineralized.
366.0	-	374.4	Brown andesite schist with some carbonate stringers.
374.4	-	376.6	Banded Iron Formation - Fairly well mineralized, and some quartz.
376.6	-	382.0	Brown andesite schist with carbonate and quartz stringers.
382.0	-	408.6	Grey amygdaloidal andesite schist.
408.6	-	408.0	Banded Iron Formation - very well mineralized.
408.0	-	417.0	Carbonatized brown andesite schist.
417.0	-	421.1	Hard andesite - green.
421.1	-	421.7	Banded Iron Formation.
421.7	-	429.0	Hard, grey andesite.
	-	429.0	Poor contact - gradational.
429.0	-	436.3	Sericite schist - older porphyry. Some quartz-tourmaline.
436.3	-	438.2	Green andesite schist.
438.2	-	439.4	Brecciated Iron Formation.
439.4	-	448.4	Grey green gneissoid andesite schist.
448.4	-	450.2	Banded Iron Formation

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

450.2	-	460.7	Brown andesite schist with carbonate stringers.
460.7	-	463.6	Cherty banded Iron Formation.
463.6	-	468.8	Younger diorite.
468.8	-	470.6	Iron Formation as above.
470.6	-	491.8	Fairly normal subgneissoid andesite.
491.8	-	498.4	Highly altered banded rock of which at least some is sediment. Also 8" sericitic porphyry well mineralized and much quartz.
498.4	-	503.3	Biotite-chlorite schist - metamorphosed andesite.
503.3	-	506.8	Brown andesite schist.
506.8	-	508.0	Highly mineralized sediments - siliceous.
508.0	-	521.5	Highly siliceous mineralized zone, in part fragmental and embracing the porphyry contact. The latter cannot be definitely placed. Mineralization: - largely fine pyrite and arsenopyrite (up to 60%).
521.5	-	524.2(?)	Sericite schist (porphyry).
524.2	-	528.8	Brown andesite schist.
528.8	-	530.0	Fine grained siliceous material, highly mineralized with arsenopyrite, pyrite as above - brecciated (6" ground).
530.9	-	535.0	Intrusive diorite.
535.0	-	546.2	Highly siliceous brecciated matrix - highly mineralized with pyrite, and pyrrhotite (70%).
546.2	-	570.0	Almost as above but probably altered andesite - chloritic streaks and highly mineralized with pyrite; arsenopyrite (60 - 70%) considerable quartz veinlets. Some of this material towards the bottom is probably highly brecciated Iron Formation.
570	-	612.5	Approximate end of mineralization zone - highly altered and disturbed amygdaloidal andesite mainly.....brown altered near the mineralization, but generally grey-green - locally gneissoid highly shot with carbonate stringers. 597.3 - 600.1: Younger diorite (intrusive).
612.5	-	616.8	As 535.0 - 546.0 - Heavily mineralized with pyrite and arsenopyrite - in this instance it appears to be a sediment.
616.8	-	619.0	Andesitic material as above.
619.0	-	628.2	Younger intrusive diorite.
628.2	-	659.2	Carbonatized andesite as above - disturbed and contorted - little mineralization.
659.2	-	674.2	Sericitic porphyry - 2" quartz.
674.2	-	685.0	Altered and disturbed - carbonatized andesite schist as above the porphyry.
685.0	-	749.0	Approximate end of carbonate stringers; Hornblende-chlorite schist - highly carbonatized and somewhat disturbed and gradually developing into a serpentine-carbonate zone. 749.0 - Sharp contact.
749.0	-	760.5	Dark grey medium-grained uniform rock. Possibly a dike but locally brown altered - lower part silicified and almost porphyritic.
760.5	-	765.0	Carbonate-serpentine schist.
765.0			<u>END OF HOLE</u>

McFINLEY RED LAKE GOLD MINES
LIMITED

Diamond Drill
Hole No. 53

Angle of Rods at Collar: 45°

DIP TESTS

<u>FOOTAGE</u>	<u>READING</u>	<u>CORRECTION</u>	<u>CORRECTED</u>
Collar	50°	-5°	45°
250'	46°	-5°	41°
500'	47°	-5°	42°
765'	45°	-5°	40°

ANJOED DIAMOND DRILLING COMPANY

September 1945.

DIAMOND DRILL LOG
MCFINLEY RED LAKE GOLD MINES
LIMITED

DDH No. M-54

Bearing:
Dip :

Drilled by Labine
Logged by W.P. Corking.

No.	Description	Footage	Length	Assay Oz/Ton	Value \$/Ton
2280	Brown andesite schist(carbonatized) with 10% quartz veinlets - very little mineralization	13.2 - 18.0	4.8	Tr	Tr
2281	Possibly altered porphyry - a little pyrite	18.0 - 19.9	1.9	Tr	Tr
2282	Carbonatized brown andesite schist; a little quartz Very little mineralization	19.9 - 22.1	2.2	Tr	Tr
2283	Mainly banded Iron Formation with a little quartz; FWM - pyrite; pyrrhotite & a little chalcopyrite; zinc	22.1 - 25.5	3.4	Tr	Tr
2284	Mainly silicified Iron Formation FWM - pyrrhotite	42.2 - 44.2	2.0	Tr	Tr
2285	Banded Iron Formation - a little qtz and 2% pyrrh.	51.9 - 53.9	2.0	.02	0.70
2286	Do.	53.9 - 56.9	3.0	Tr	Tr
2287	Banded Iron Formation and some qtz; a little pyrrh.	62.4 - 63.3	0.9	Tr	Tr
2288	10% quartz stringers in gn. andesite schist	74.0 - 75.4	1.4	Tr	Tr
2289	Banded regular Iron Formation - a little pyr; pyrrh.	86.1 - 89.9	3.8	Tr	Tr
2290	Younger intrusive diorite	89.9 - 94.5	4.6	Tr	Tr
2291	Banded regular Iron Formation - a little pyr; pyrrh; arsenopyrite	94.5 - 98.1	3.6	Tr	Tr
2292	Brown andesite schist with 2" blue qtz; VWM-pyr; Zns-	98.1 - 99.9	1.8	Tr	Tr
2298	Grey-green andesite schist - a little quartz VLM	170.4 - 174.2	3.8	Tr	Tr
2299	Do.	174.2 - 176.5	2.3	Tr	Tr
2300	5" quartz and other stringers. FWM - pyr; Zns; some carbonate - Brown andesite schist.	176.5 - 177.9	1.4	.04	1.40
2801	Brown andesite schist and a little quartz - VLM	177.9 - 179.7	1.8	.02	0.70
2802	Grey-green andesite schist with a little quartz VLM	179.7 - 181.6	1.9	.02	0.70
2803	Grey-green andesite schist; silicified - a little qtz	239.7 - 243.3	3.6	Tr	Tr
2804	Grey-green andesite schist well silicified and some quartz; traces of pyrite and pyrrhotite; magnetite	243.3 - 245.9	2.6	.02	0.70
2805	Do.	245.9 - 248.5	2.6	Tr	Tr

MC FINLEY RED LAKE GOLD MINES LIMITED
DIAMOND DRILL LOG

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2806	Do.	248.5 - 251.0	2.6	.02	0.70
2807	Do.	251.1 - 255.0	3.9	.12	4.20
2808	Do.	255.0 - 258.3	3.3	.04	1.40
2809	Mostly smoky vein quartz; a little pyr; pyrrh.	258.3 - 260.5	2.2	.10	3.50
2810	Grey green andesite schist and 5% quartz; a little pyr; pyrrh.	260.5 - 263.4	2.9	.02	0.70
2811	Do.	263.4 - 266.0	2.6	Tr	Tr
2812	Do.	266.0 - 269.1	3.1	.04	1.40
2813	60% vein carbonate - a little pyrite & pyrrhotite	269.1 - 270.6	1.5	.02	0.70
2814	Brown andesite schist and a little quartz and carbonate; FWM - pyrite and pyrrhotite	270.6 - 272.7	2.1	.02	0.70
2815	Grey-green andesite schist - massive VLM	272.7 - 277.7	5.0	Tr	Tr
2816	Do - some brown andesite schist - a little pyr; pyrrh	277.7 - 282.7	5.0	.02	0.70
2817	Massive grey-green andesite schist VLM	282.7 - 287.4	4.7	Tr	Tr
2818	Do., Some brown andesite schist - VLM	287.4 - 291.7	4.3	Tr	Tr
2819	Brown andesite schist with 2% quartz & a little pyrrh	291.7 - 293.6	1.9	Tr	Tr
2820	Green andesite schist - VLM	293.6 - 297.1	3.5	Tr	Tr
2821	Do.	297.1 - 302.1	5.0	Tr	Tr
2822	Do.	302.1 - 306.8	4.7	Tr	Tr
2823	Brown andesite schist with a little quartz-carbonate and pyrite; pyrrhotite; zinc.	313.5 - 314.7	1.2	Tr	Tr
2824	Green andesite schist VLM	314.7 - 317.2	2.5	Tr	Tr
2825	Brown andesite schist - 2", 1", " dark grey qtz; VWM - pyr; pyrrh & FWM - Arsenopyrite; a little galena and Zinc.	317.2 - 319.2	2.0	Tr	Tr
2826	Grey green andesite schist VLM	319.2 - 321.6	2.4	Tr	Tr
2827	Grey-green andesite schist and a little quartz-carbonate and some pyrite & pyrrhotite	321.6 - 324.7	3.1	.02	0.70
2828	Brown andesite schist with 3" quartz; FWM pyrite pyrrhotite - arsenopyrite & zinc	326.6 - 328.1	1.5	Tr	Tr
2829	Green andesite schist with 20% vein carbonate - traces of pyrite and pyrrhotite	466.4 - 470.1	3.7	Tr	Tr

DIAMOND DRILL LOG
 CM FINLEY RED LAKE GOLD MINES LIMITED

DDH-M-54

2829	Green andesite schist with 20% vein carbonate; Traces of pyrite and pyrrhotite /schist	466.4 - 470.1	3.7	Tr	Tr
2830	Green andesite schist and a little carbonate VLM	470.1 - 472.3	2.2	Tr	Tr
2831	Brown andesite schist and 5% quartz-carbonate	571.1 - 572.8	1.7	.02	0.70
2832	Brown andesite schist with 2", 8" qtz-carbonate VLM	572.8 - 574.4	1.6	Tr	Tr
2833	Brown andesite schist VLM - a little quartz	574.4 - 577.2	2.8	Tr	Tr
2834	Do.	577.2 - 579.5	2.3	Tr	Tr
2835	Do., 5% quartz - Very little mineralization	579.5 - 583.2	3.7	.02	0.70
2836	Brown andesite schist with a little quartz; a little pyrrhotite, chalcopyrite in a slip	583.2 - 586.3	3.1	Tr	Tr
2837	Brown andesite schist with 5% quartz; VLM	586.3 - 588.6	2.3	Tr	Tr
2838	Brown andesite schist - a little qtz; VLM	588.6 - 591.9	3.3	Tr	Tr
2839	Brown andesite schist and a little quartz- VLM	591.9 - 595.2	3.3	.12	4.20
2840	Sericitic porphyry with a little pyrite; pyrrhotite Some arsenopyrite at contact	680.3 - 683.2	2.9	Tr	Tr
2841	2" quartz in porphyry - FWM - pyrite; pyrrhotite	683.2 - 684.0	0.8	Tr	Tr
2842	Sericitic porphyry - Traces pyr; pyrrh; arsenopyr;	684.0 - 685.5	1.5	Tr	Tr
2843	Contact of porphyry - FWM pyr; pyrrh; arsenopyrite	685.5 - 686.7	1.2	.04	1.40
2844	Probably sheared porphyry - a little pyr; pyrrh.	709.0 - 711.3	2.3	Tr	Tr
2845	Do.	711.3 - 713.3	2.0	Tr	Tr
2846	Contact of porphyry with a little quartz; VWM with pyrrhotite; arsenopyr - also pyr; galena; zinc	713.3 - 714.5	1.2	.14	4.90
2847	Massive andesite schist - VLM	714.5 - 716.3	1.8	Tr	Tr

SLUDGE ASSAYS

0	-	20	.02	0.70	110	-	120	Tr	Tr
20	-	30	.01	0.35	120	-	130	.01	0.35
30	-	40	Tr	Tr	130	-	140	.02	0.70
40	-	50	Tr	Tr	140	-	150	Tr	Tr
50	-	60	Tr	Tr	150	-	160	Tr	Tr
60	-	70	.01	0.35	160	-	170	Tr	Tr
70	-	80	Tr	Tr	170	-	180	Tr	Tr
80	-	90	Nil	Nil	180	-	190	Tr	Tr
90	-	100	Nil	Nil	190	-	200	Nil	Nil
100	-	110	Tr	Tr	200	-	210	Tr	Tr

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

210	-	220	Tr	Tr	500	-	510	Tr	Tr
220	-	230	Tr	Tr	510	-	520	Tr	Tr
230	-	240	Nil	Nil	520	-	530	Tr	Tr
240	-	250	.03	1.05	530	-	540	Tr	Tr
250	-	260	.03	1.05	540	-	550	-	-
260	-	270	.02	0.70	550	-	560	-	-
270	-	280	Tr	Tr	560	-	570	-	-
280	-	290	Tr	Tr	570	-	580	-	-
290	-	300	.16)	(5.60	580	-	590	-	-
			.17)	(5.95	590	-	600	-	-
300	-	310	.08)	(2.80	600	-	610	-	-
			.10)	(3.50	610	-	620	Tr	Tr
310	-	320	.04	1.40	620	-	630	.02	0.70
320	-	330	Tr	Tr	630	-	640	Tr	Tr
330	-	340	Tr	Tr	640	-	650	Tr	Tr
340	-	350	Nil	Nil	650	-	660	Tr	Tr
350	-	360	Tr	Tr	660	-	670	Tr	Tr
360	-	370	Tr	Tr	670	-	680	Tr	Tr
370	-	380	Tr	Tr	680	-	690	Tr	Tr
380	-	390	Tr	Tr	690	-	700	Tr	Tr
390	-	400	Tr	Tr	700	-	710	Tr	Tr
400	-	410	Tr	Tr	710	-	720	.04	1.40
410	-	420	Tr	Tr	720	-	730	.02	0.70
420	-	430	Tr	Tr	730	-	740	.04	1.40
430	-	440	Tr	Tr	740	-	750	.02	0.70
440	-	450	Tr	Tr	750	-	760	-	-
450	-	460	Tr	Tr	760	-	770	-	-
460	-	470	Tr	Tr	770	-	780	Tr	Tr
470	-	480	Tr	Tr	780	-	790	-	-
480	-	490	.02	0.70	790	-	794	-	-
490	-	500	Tr	Tr					

GEOLOGY

0.0	-	13.2	Casing
13.2	-	24.0	Carbonatized brown andesite schist with quartz stringers.
24.0	-	25.6	Silicified sediments - FWM
25.6	-	33.2	Brown andesite schist as above.
33.2)	-	(42.8	
)		(33.5	Silicified sediments.
33.5	-	43.3	Brown andesite schist as above.
42.3	-	43.3	Banded Iron Formation - not well mineralized.
43.3	-	52.0	Normal brown andesite schist.
52.0	-	56.9	Siliceous banded Iron Formation - Fairly well mineralized.
56.9	-	62.4	Brown andesite schist.
62.4	-	63.1	Iron Formation.
63.1	-	86.3	Grey-green gneissoid andesite schist; Brown alteration for 1st 4 feet.
86.3	-	89.9	Iron Formation - poorly mineralized.
89.9	-	94.4	Younger intrusive diorite.
94.4	-	98.0	Iron Formation as above - some pyrite and pyrrhotite.
98.0	-	99.3	Brown andesite schist.
99.3	-	454.5	Highly gneissoid grey andesite schist.

NOTE: Rock at 290 - 300' is particularly uninteresting except for $\frac{1}{2}$ " m milky quartz and no reason seen for sludge assays.

Around 400' grading into more normal light-green altered massive

DIAMOND DRILL LOG
MC FINLEY RED LAKE GOLD MINES LIMITED

DDH No. M-54

andesite and at 425 to massive dark green andesite.

454.5 -	465.0	Younger intrusive diorite.
465.0 -	551.5	Dark green weakly gneissoid andesite schist with carbonate veins and stringers locally.
551.5 -	555.1	Younger intrusive diorite.
555.1 -	571.0	Grey-green gneissoid andesite schist.
571.0 -	595.0	Brown andesite schist with numerous quartz-carbonate stringers and veinlets.
595.0 -	680.6	Grey-green gneissoid andesite schist with a few quartz stringers and veinlets.
680.6 -	685.6	Sericitic porphyry and pyrite, pyrrhotite, arsenopyrite and a little quartz.
685.6 -	709.0	Grey-green andesite - rather massive. Locally brown altered.
709.0 -	714.3	Probably sheared porphyry but a little unusual in appearance - slightly banded.
714.3 -	794.0	Massive green andesite.
794.0		<u>END OF HOLE</u>

K.R.L. 2755

K.R.L. 16736

K.R.L. 2756

INORE GOLD MINES LTD.

M-FINLEY GOLD MINES LTD.

K.R.L. 247

INORE 1.

M-91

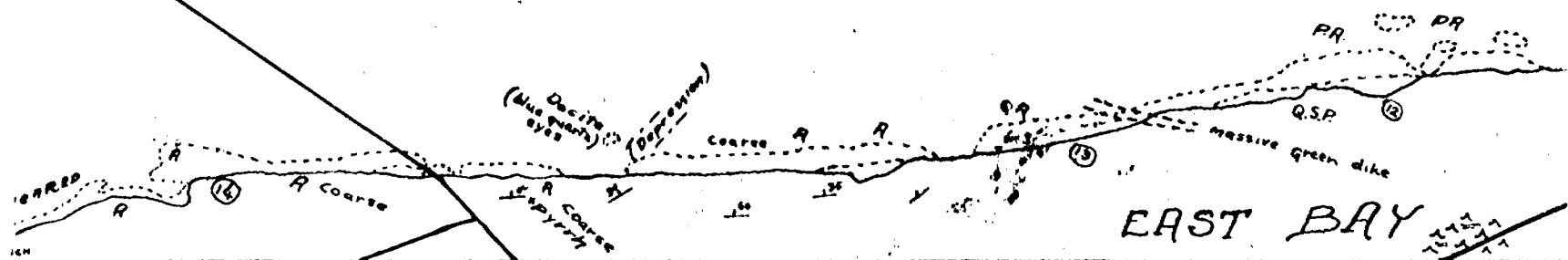
M-90

M-89

M-87

M-39

M-86



EAST BAY

McFinley Red Lake Gold Mines Ltd.

Diamond Drill Hole Data

D. D. H. No.	Direction	Lat. N	Dep. E	Depth	Dips	Horiz. Elev. Dist. Coll.
1						
2						
3						
4						
5	S 62-58 E	5716.64 5719.42	2658.46 2653.01			1147.70
6	S 68-58 E	5717.39	2656.80			1147.71
7	S 32-38 E	5700.82	2795.17			1145.95
8						
9						
10	S 54-21 E	5671.86	2742.34			1166.07
11	S 55-56 E	5673.14	2740.26			1165.90
12	S 44-51 E	5661.86	2545.92			
13	S 41-11 E	5662.97	2544.78			1145.91
14	S 35-06 E ?	5794.18 ?	2665.52 ?			1146.18
15	S 53-08 E	5855.34	2690.37			1146.70
16						
17						
18						
19						
20						
21						
22						

П.П.Н. No.	Direction	Lat. N.	Dep. E	Depth	Pips	Elw. Cull.
23	}					
24	}					
25	}					
26	}					
27	}					
28	}					
29	}					
30	}					
31	}					
32	}					
33	}					
34	{	S 45-05 E	5575.20	2407.19		1144.93
35	}					
36	}					
37	}					
38	}					
39	{	S 47-29 E	5299.08	2264.98		1144.49
40	{	S 44-07 E	6015.90	2814.94		1146.35
41	{	S 61-13 E	5573.96	2933.22		1185.79
42	{	S 45-00 E	6382.50	2945.51		1147.89
43	{	S 62-31 E	5485.90	3106.35		1155.54
44	}					

T.P.H. No.	Direction	Lat. N.	Dep. E	Depth	Dips	Elev. Coll.
45	S 49-38E	6599.43	3220.17			1157.47
46						
47						
48						
49						
50						
51						
52						
53	S 49-22E	6825.90	3406.92			1159.52
54						
55	S 48-26E	6627.90	3633.42			1160.72
56						
57						
58						
59						
60	S 35-09E	6557.72	3632.42			1169.46
61						
62	S 41-17E	6624.44	3730.30			1160.77
62A	S 36-52E	6673.48	3682.33			1160.38
63	S 48-27E	6516.09	3585.66			1173.77
64	S 35-06E	6453.91 6458.72	3508.77 3505.39			1172.93
65	S 36-08E	6389.27	3432.78			1171.69
66	S 36-27E	6662.42	3774.56			1163.74

T.P.H. No.	Direction	Lat. N.	Dep. E.	Depth	Dips	Elev. of collar
67	{ S 38-27 E	6326.97	3355.25			1176.80
68	{ S 59-00 E	6729.25	3853.16			1178.40
69	{ S 46-08 E	6229.47	3304.01			1182.77
70	{ S 37-47 E	6797.20	3927.32			1183.41
71	{ S 46-47 E	6101.51	3235.88			1182.48
72	{ S 36-21 E	6861.29	4003.93			1178.35
73	{					
74	{					
75	{					
76	{					
77	{					
78	{					
79	{					
80	{ S 49-29 E	7229.45	3919.76			1183.02
81	{ S 42-02 E	7386.13	4056.86			1176.19
82	{ S 55-53 E	6819.02	3418.72			1159.80
82A	{ S 48-39 E	6817.51	3420.08			1159.86
83	{ S 41-57 E	6163.93	2877.27			1147.74
84	{ S 47-46 E	5852.74	3199.34			1180.35
85	{ S 47-49 E	6052.26	3530.59			1199.24
86	{ S 45-14 E	6180.15	3654.86			1193.96
87	{ S 46-39 E	5424.48	2131.62			1145.51
88	{ S 47-33 E	5106.99	2455.86			1170.68

U. N. H. No.	Direction	Lat. N.	Dep. E	Depth	Pips	Elev. Cdl
89	{ S 42-56 E	5352.83	2066.64			1144.87
90	{ S 49-00 E	5251.96	1953.65			1145.99
91	{ S 43-56 E	5082.92	1626.21			1164.94
92	{ S 46-17 E	5351.70	2960.48			1187.38
93	{ S 45-09 E	5097.49 5101.60	2861.75 2857.59			1176.07
94	{ S 43-22 E	4408.45	1626.20			1133.67
95	{ S 47-13 E S 47-12 E	5176.12 1899.73	1879.73			1149.45
96	{ S 39-39 E	5110.28	1811.08			1152.39
97	{ S 45-10 E	4930.67	1639.33			1155.17
98	{ S 51-41 E	6526.46	3079.15			1153.42
99	{ S 43-26 E	6715.17	3325.80			1161.21
100	{					
101	{					
102	{					
103	{					

MCFINLEY RED LAKE-GOLD MINES LTD.

EAST BAY-RED LAKE









LEGEND FOR D.D.H. SECTIONS

63-3868

LEGEND

SEDIMENTS	<input type="checkbox"/>	IRON FORM. CHERTY BANDED	CH B
	<input type="checkbox"/>	SLATY SEDS.	SL
	<input type="checkbox"/>	SILICEOUS SEDS.	SIL
	<input type="checkbox"/>	CARBONACEOUS TUFFS	C T
ALTERED LAVA	<input type="checkbox"/>	CO ₃ ANDESITE	CO ₃
	<input type="checkbox"/>	CHLORITE BIOTITE SCHIST	BC
	<input type="checkbox"/>	SILICIFIED ANDESITE	SIL
LAVA	<input type="checkbox"/>	SERPENTINE & TALC SCHIST	ST
	<input type="checkbox"/>	MASSIVE ANDESITE	A
	<input type="checkbox"/>	GREEN & GREY ANDESITE SCHIST	GAS
INTRUSIVES	<input type="checkbox"/>	BROWN ANDESITE SCHIST	BAS
	<input type="checkbox"/>	QUARTZ PORPHYRY	QP
	<input type="checkbox"/>	FELDSPAR PORPHYRY	FP
	<input type="checkbox"/>	SERICITIC PORPHYRY	SP
	<input type="checkbox"/>	APLITE	A
	<input type="checkbox"/>	DIORITE YOUNGER OLDER	YD OD
	<input type="checkbox"/>	BASIC DIKES LAMPROPHYRES	B L

- SYMBOLS -

	QUARTZ VEINS
	CARBONATE VEINS
	SULPHIDES - WELL MINERALIZED
	SULPHIDES - MODERATE MINERALIZATION
	AMYGDULES
	PILLOWS
	BRECCIATED LAVA
	SHEAR ZONE



INORE GOLD MINES LTD.

BEATRICE RED LAKE

EAST RED LAKE BAY

LONG ISLAND

LEGEND

- QUARTZ VEIN
- LATE DIORITE
- QUARTZ FELDSPAR SERICITE PORPHYRY
- QUARTZ SERICITE PORPHYRY
- FELDSPAR PORPHYRY
- SEDIMENT - QUARTZITE
- SEDIMENT - COARSE VOLCANIC FRAGMENTAL
- SEDIMENT - SILICEOUS
- IRON FORMATION
- ANDESITE
- CARBONATIZED ANDESITE & SCHIST
- TALC SCHIST
- DIAMOND DRILL HOLE

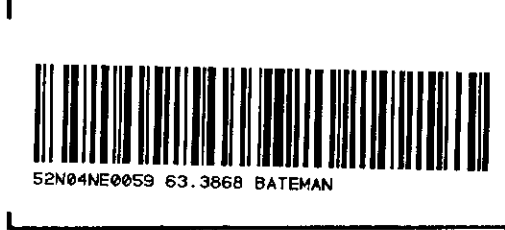
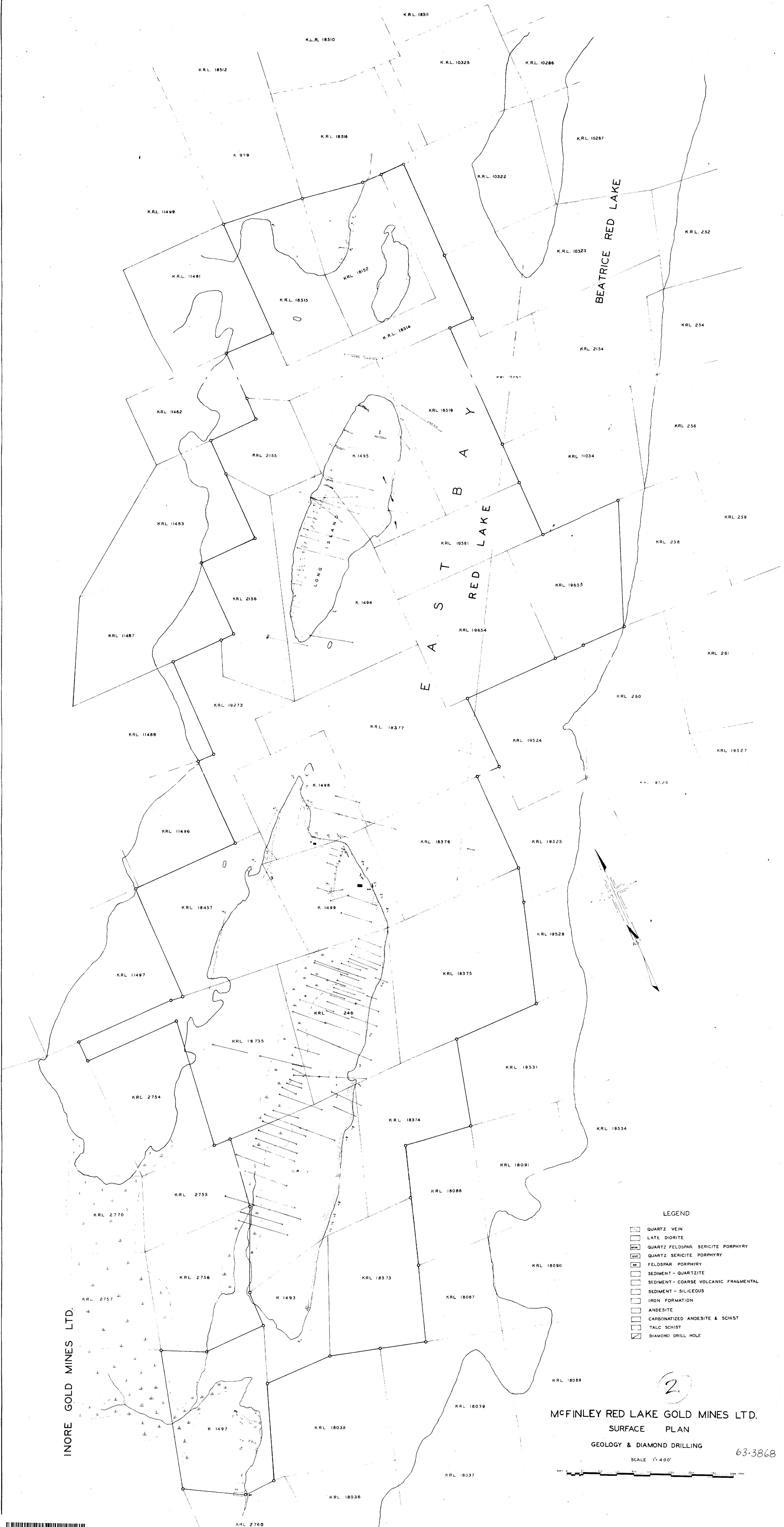
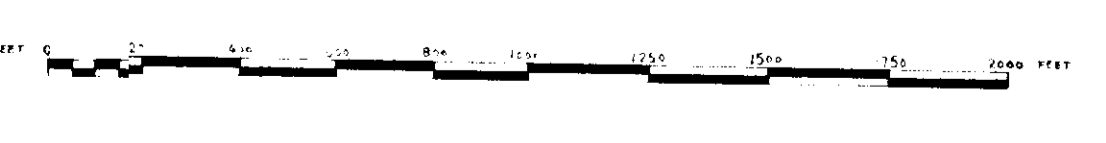
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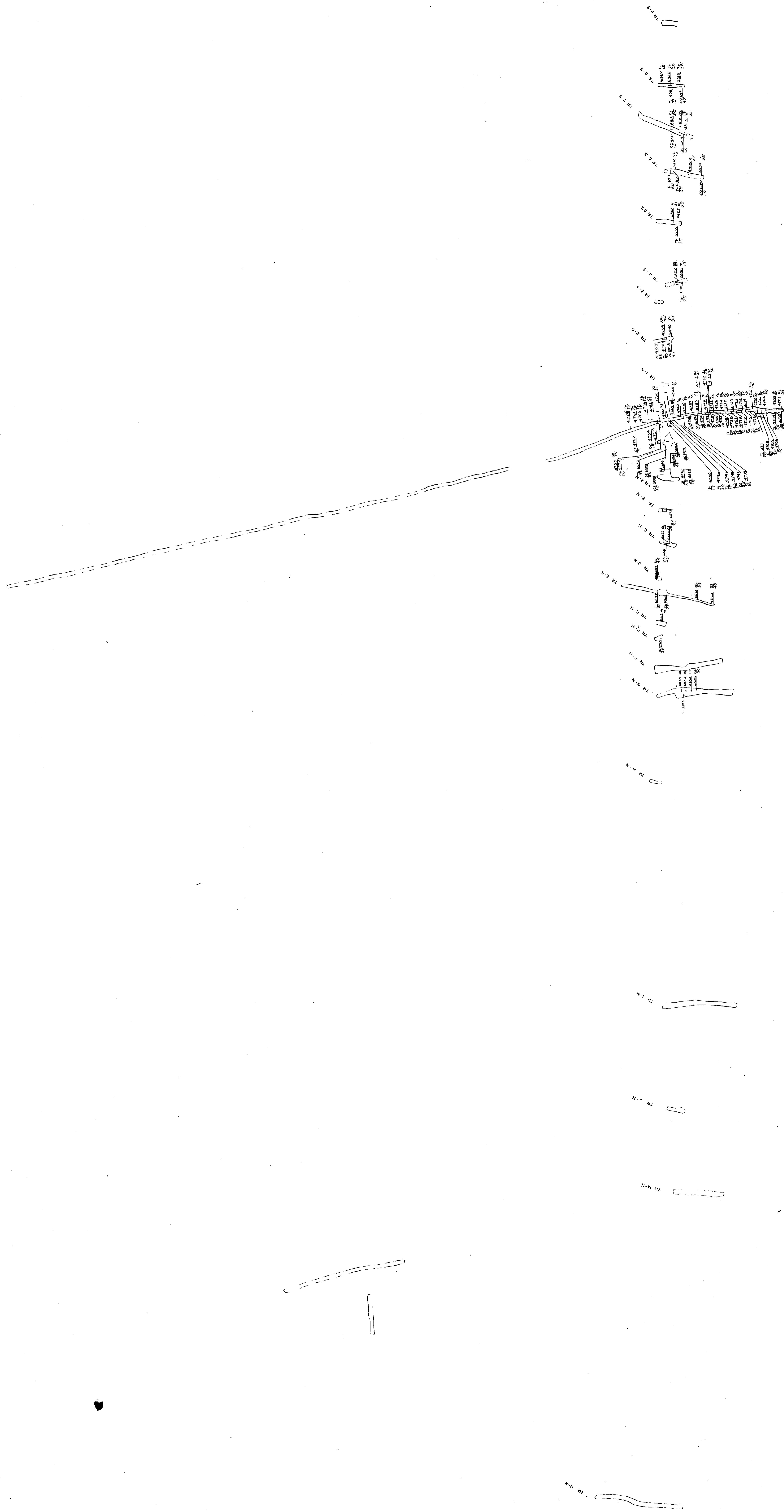
MCFINLEY RED LAKE GOLD MINES LTD. SURFACE PLAN

GEOLOGY & DIAMOND DRILLING

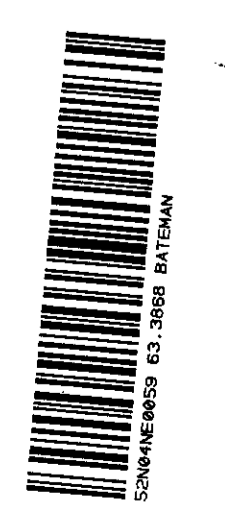
63-3868

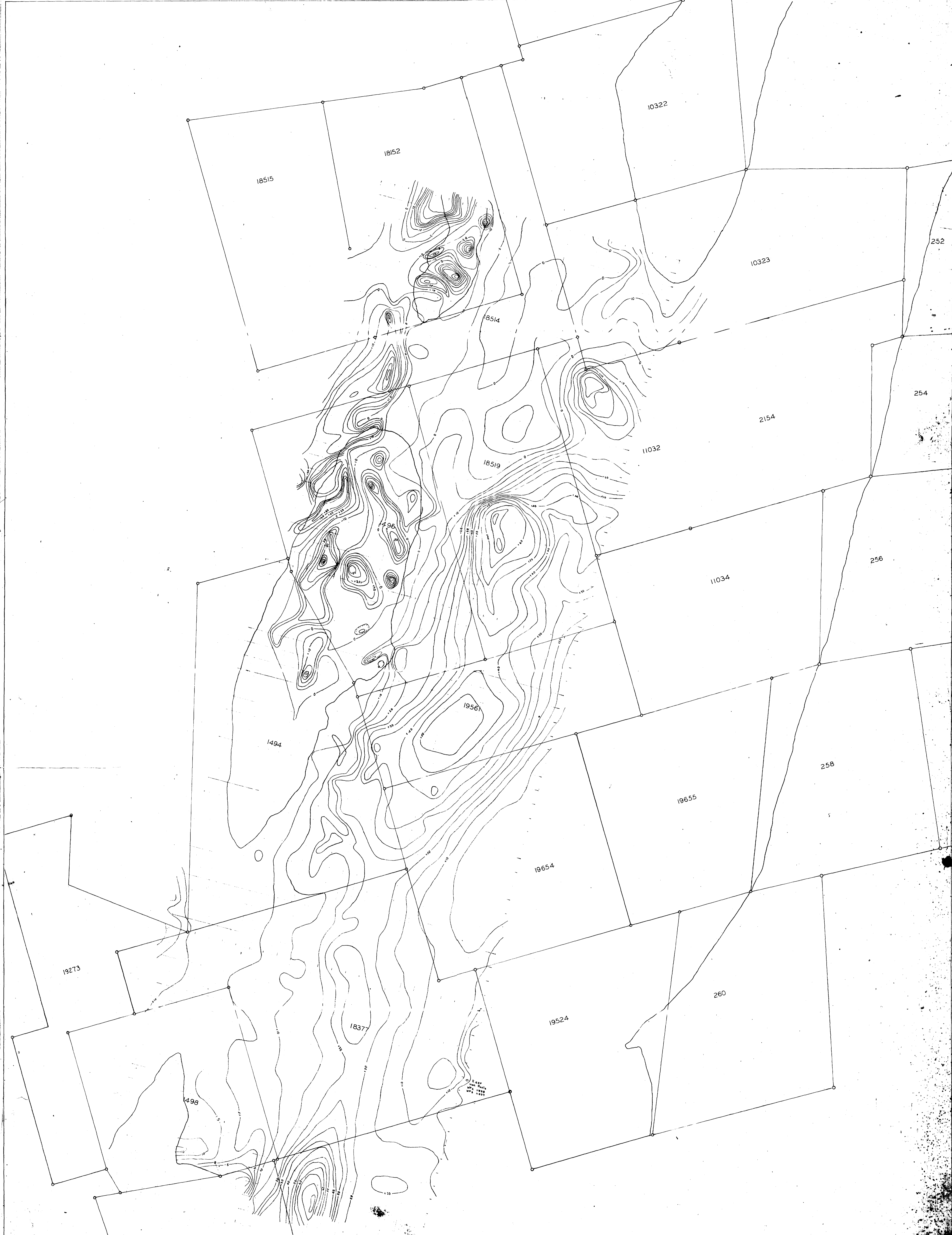
SCALE 1" = 400'





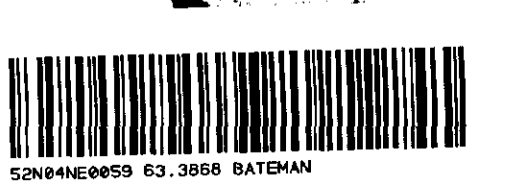
McFINLEY RED LAKE GOLD MINES L^{td}.
 ASSAY PLAN
 LONG ISLAND 3) 63-3868
 North Section
 Scale 1" = 40'

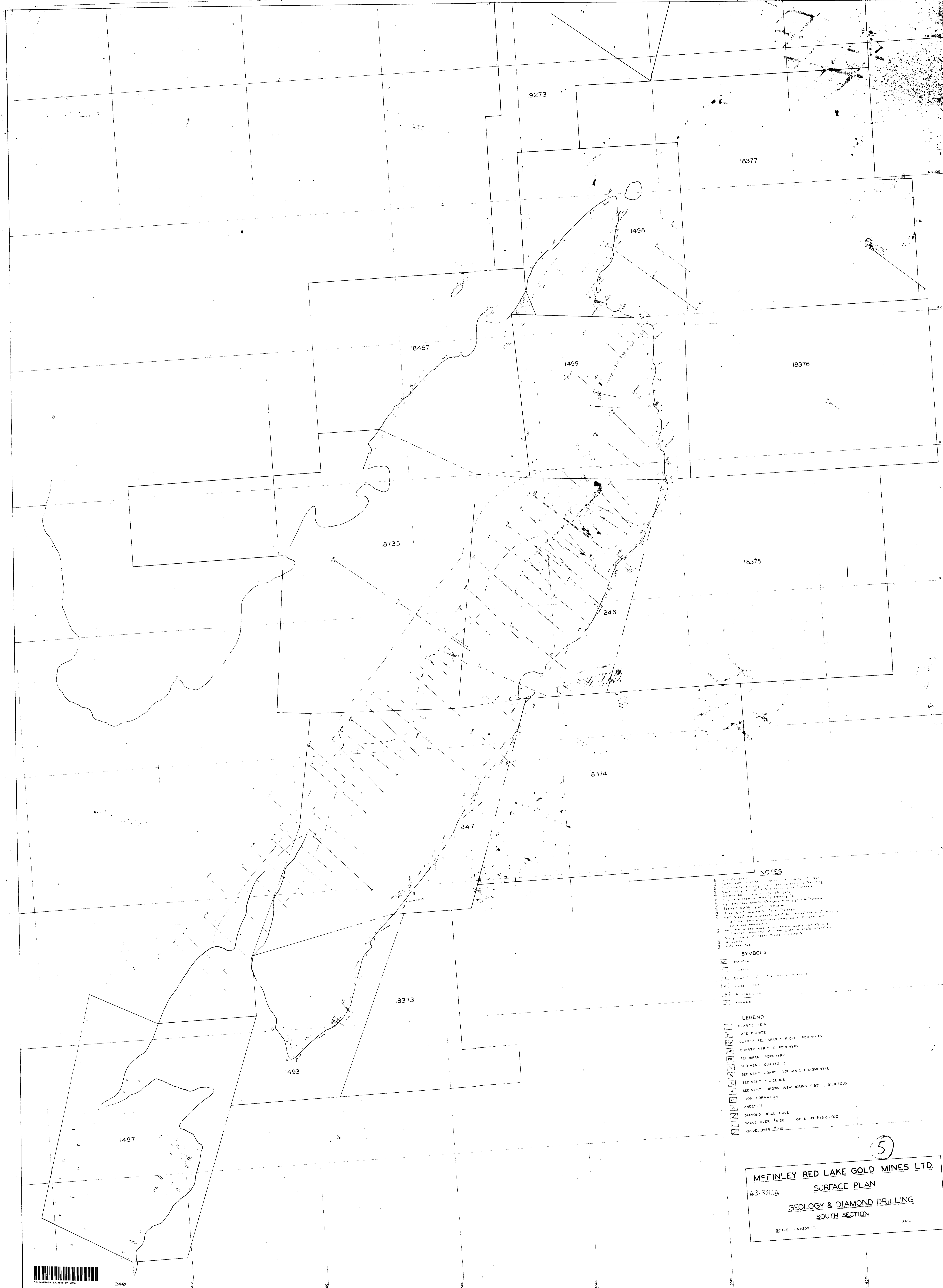




(4)

McFINLEY RED LAKE GOLD MINES LTD
PLAN OF 63-38-2
MAGNETOMETER SURVEY
SCALE 1"=200'





NOTES

1. This map shows the location of the diamond drill holes and the results of the drilling. The map is based on the geological map of the area and the location of the diamond drill holes. The map shows the location of the diamond drill holes and the results of the drilling. The map is based on the geological map of the area and the location of the diamond drill holes.

SYMBOLS

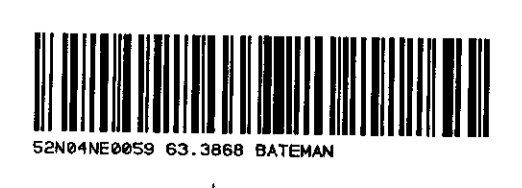
- Drill Hole
- Drill Hole
- Drill Hole
- Drill Hole
- Drill Hole
- Drill Hole

LEGEND

- QUARTZ VEIN
- LATE DIORITE
- QUARTZ FELDSPAR SERICITE PORPHYRY
- FELDSPAR PORPHYRY
- SEDIMENT QUARTZITE
- SEDIMENT COARSE VOLCANIC FRAGMENTAL
- SEDIMENT SILICEOUS
- SEDIMENT BROWN WEATHERING FISSILE, SILICEOUS
- IRON FORMATION
- ANGESITE
- DIAMOND DRILL HOLE
- VALUE OVER \$4.20 GOLD AT \$3500/0Z
- VALUE OVER \$210

⑤

MCFINLEY RED LAKE GOLD MINES LTD.
 63-3808 **SURFACE PLAN**
GEOLOGY & DIAMOND DRILLING
 SOUTH SECTION
 SCALE 1/16"=200 FT. JAC



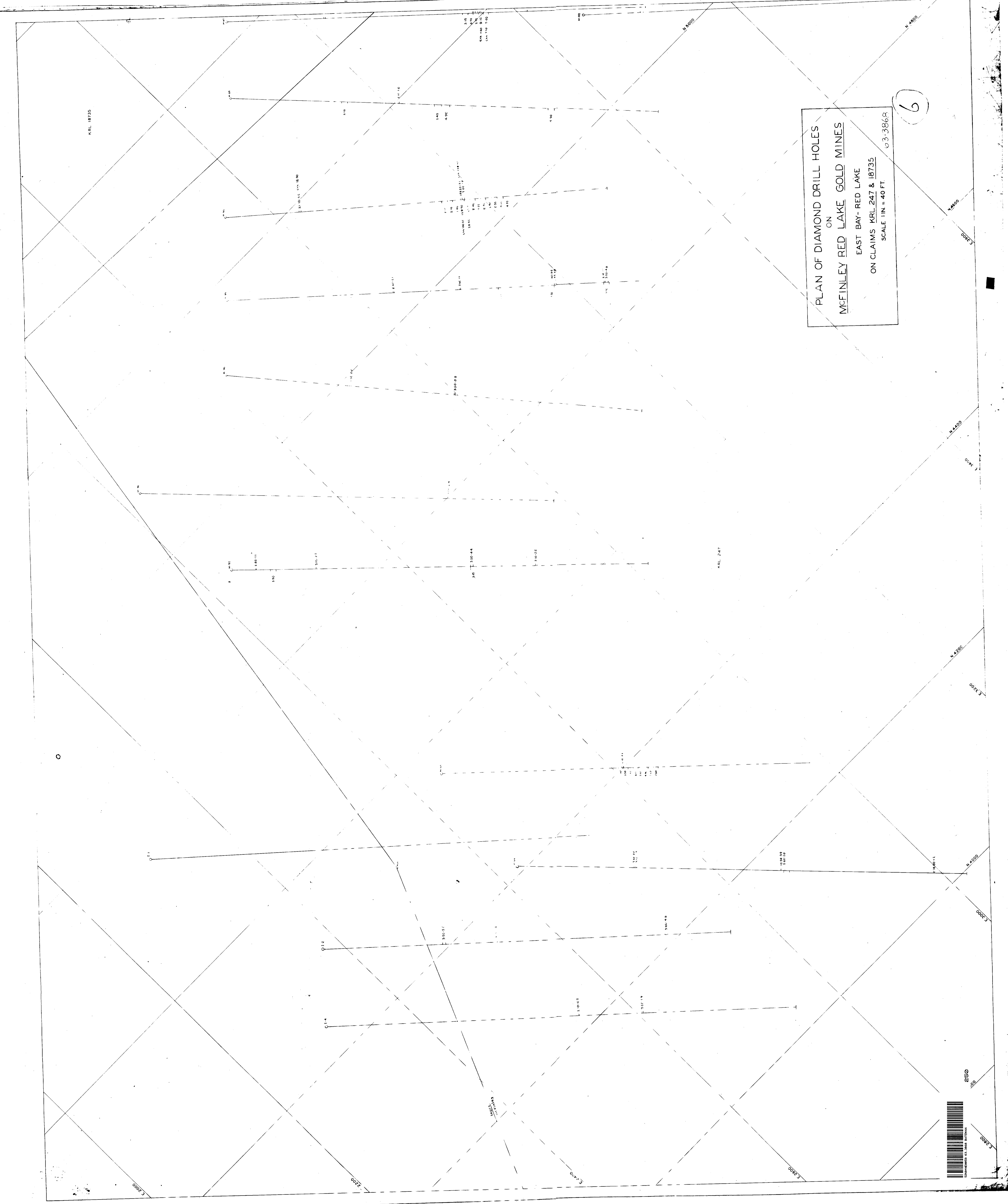
KRL 18735

PLAN OF DIAMOND DRILL HOLES
 ON
MCFINLEY RED LAKE GOLD MINES
 EAST BAY- RED LAKE
 ON CLAIMS KRL 247 & 18735
 SCALE 1" = 40 FT
 103-386A

6

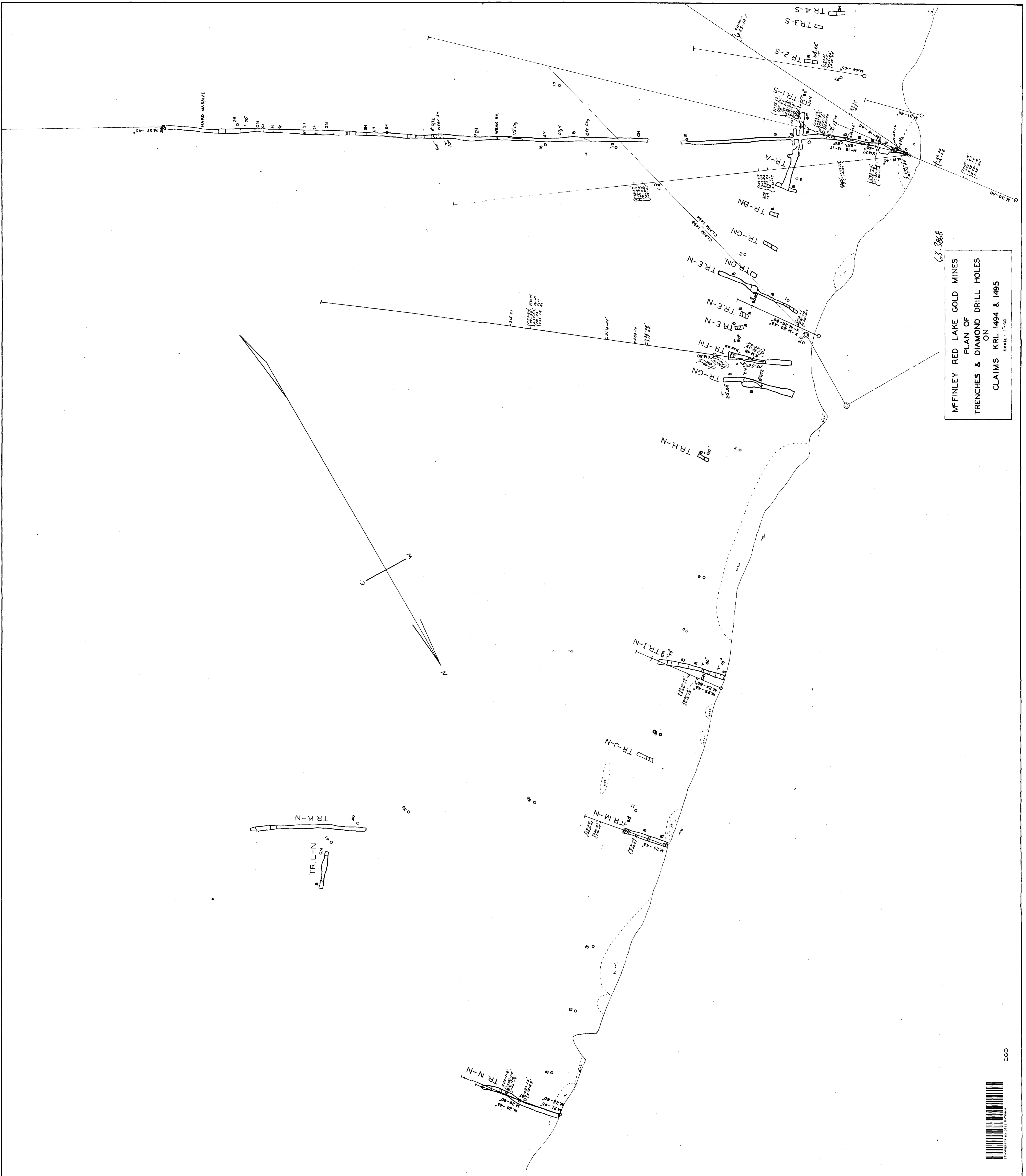


UNIVERSITY OF MICHIGAN LIBRARY

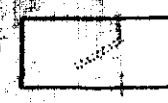
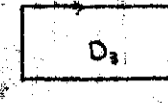
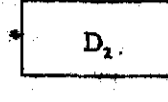



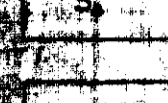
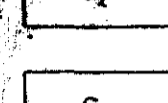

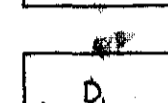
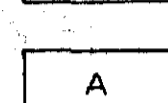



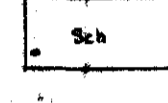
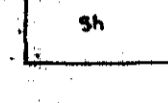
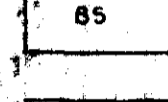



63-3868

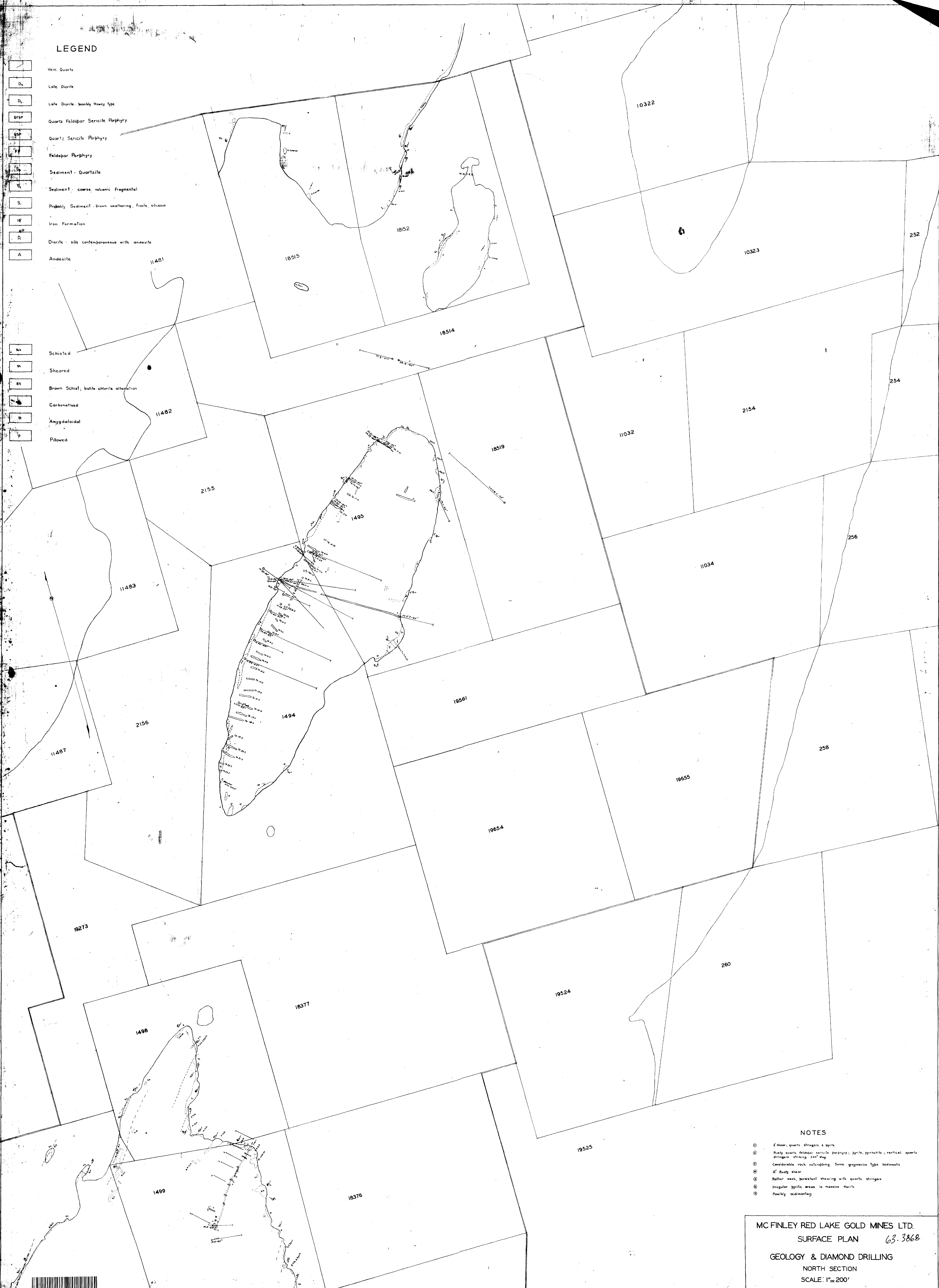
MCFINLEY RED LAKE GOLD MINES
 PLAN OF
 TRENCHES & DIAMOND DRILL HOLES
 ON
 CLAIMS KRL 1494 & 1495
 Scale: 1"=40'



LEGEND

-  Vein Quartz
-  Late Diorite
-  Late Diorite - possibly Honey type
-  Quartz Feldspar Sericite Porphyry
-  Quartz Sericite Porphyry
-  Feldspar Porphyry
-  Sediment - Quartzite
-  Sediment - coarse, volcanic fragmental
-  Probably Sediment - brown weathering, fossils, siliceous
-  Iron Formation
-  Diorite - sills contemporaneous with andesite
-  Andesite

-  Schistose
-  Sheared
-  Brown Schist; biotite chlorite alteration
-  Carbonatized
-  Amygdaloidal
-  Pillowed



NOTES

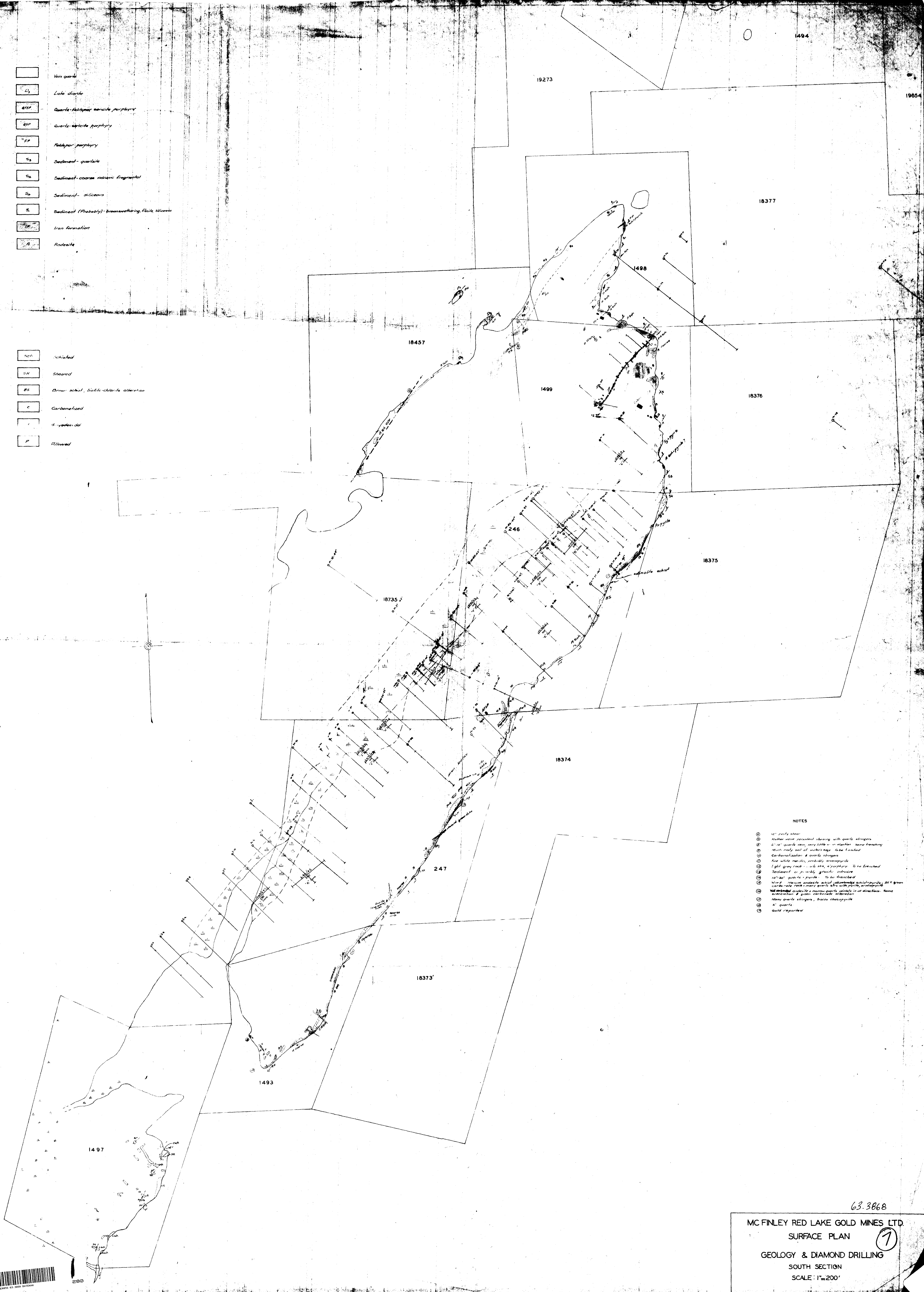
- ① Shear, quartz stringers & pyrite
- ② Rusty quartz, feldspar-sericite porphyry; pyrite, pyrrhotite; vertical quartz stringers striking 245° Mag.
- ③ Considerable rock outcropping. Some greywacke type sediments
- ④ Rusty shear
- ⑤ Rather weak, persistent shearing with quartz stringers
- ⑥ Irregular pyritic areas in massive diorite
- ⑦ Possibly sedimentary

MC FINLEY RED LAKE GOLD MINES LTD.
 SURFACE PLAN 63.3868
 GEOLOGY & DIAMOND DRILLING
 NORTH SECTION
 SCALE: 1"=200'



- Van quartz*
- Late diorite*
- Quartz-feldspar matrix porphyry*
- Quartz-epidote porphyry*
- Feldspar porphyry*
- Sediment-quartzite*
- Sediment-coarse volcanic fragments*
- Sediment-siliceous*
- Sediment (Probably) brecciated, fine siliceous*
- Iron formation*
- Rhyolite*

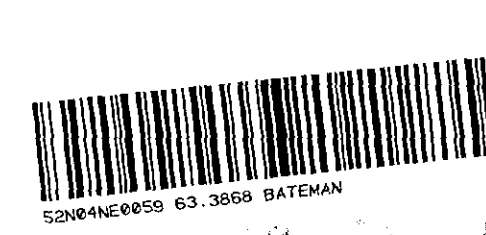
- schist*
- Sheared*
- Brown schist, biotite-chlorite alteration*
- Carbonated*
- Argillaceous*
- Diluted*



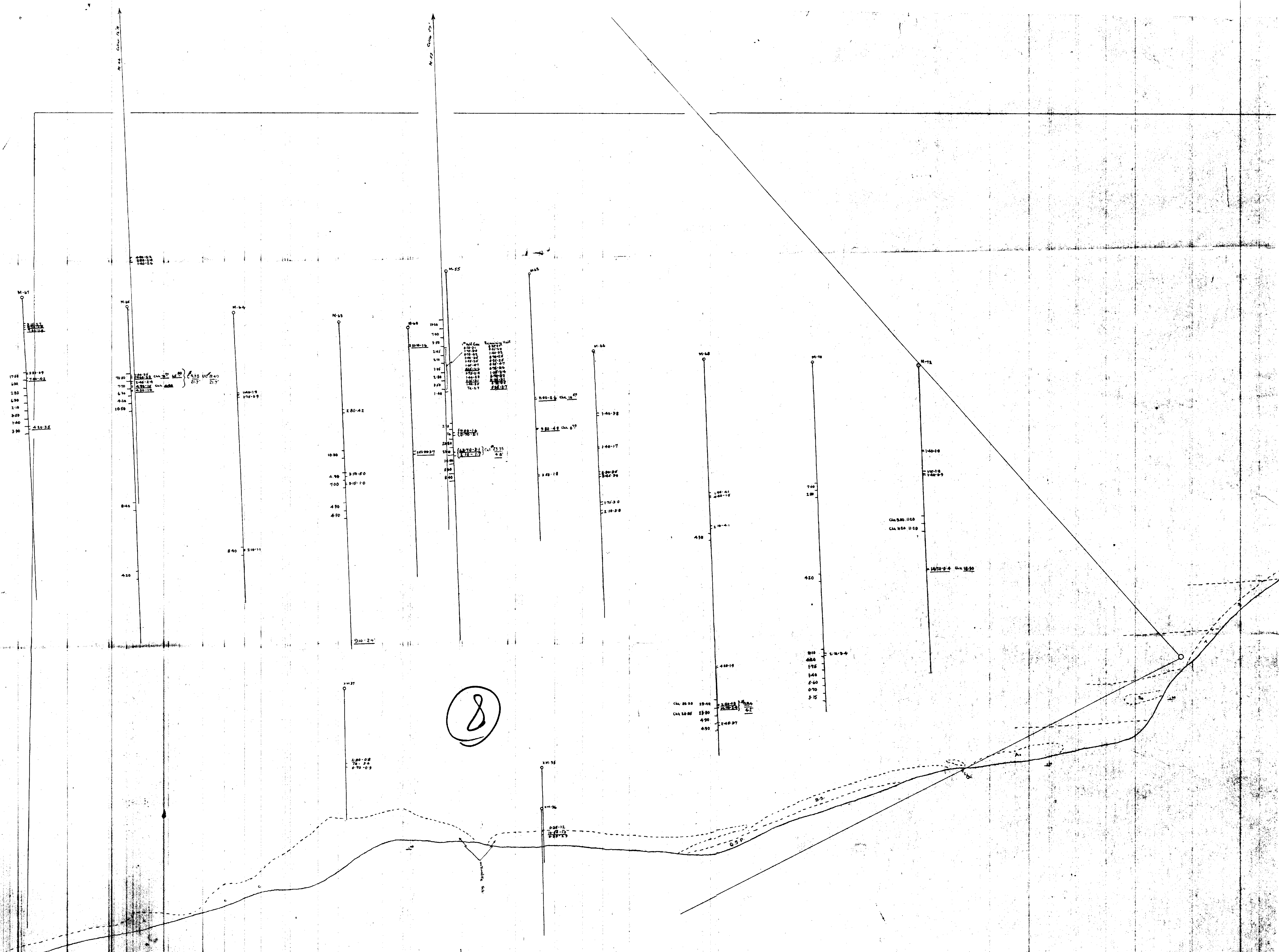
- NOTES
- ① 10' rhyolite flow
 - ② Rhyolite with fractured bedding with quartz stringers
 - ③ 4-10' quartz vein, very little - in places some branching
 - ④ Much rhyolite soil of waterways, also fractured
 - ⑤ Carbonatization & quartz stringers
 - ⑥ Fine white marl, possibly argillaceous
 - ⑦ Light grey rock - with thin, a pyrophyllite. E to fractured
 - ⑧ Sediment or possibly granitic intrusion
 - ⑨ 10"-20" quartz - pyrite - to be fractured
 - ⑩ 10"-20" massive dark grey to black siliceous quartzite, 20' green carbonate rock - many quartz veins with pyrite, argillaceous
 - ⑪ 10' - 15' quartzite - massive quartz, white in all directions. Some argillaceous & green carbonatized alteration
 - ⑫ Many quartz stringers, traces chloropyrite
 - ⑬ 4' quartz
 - ⑭ Sand impregnated

63-3868

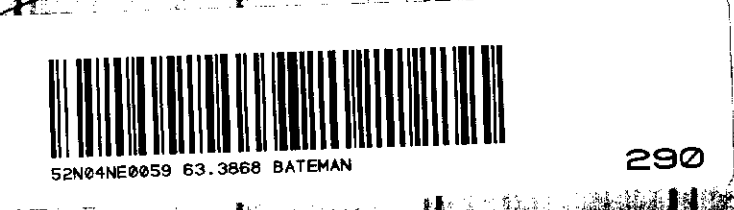
MC FINLEY RED LAKE GOLD MINES LTD.
SURFACE PLAN
GEOLOGY & DIAMOND DRILLING
SOUTH SECTION
SCALE: 1"=200'



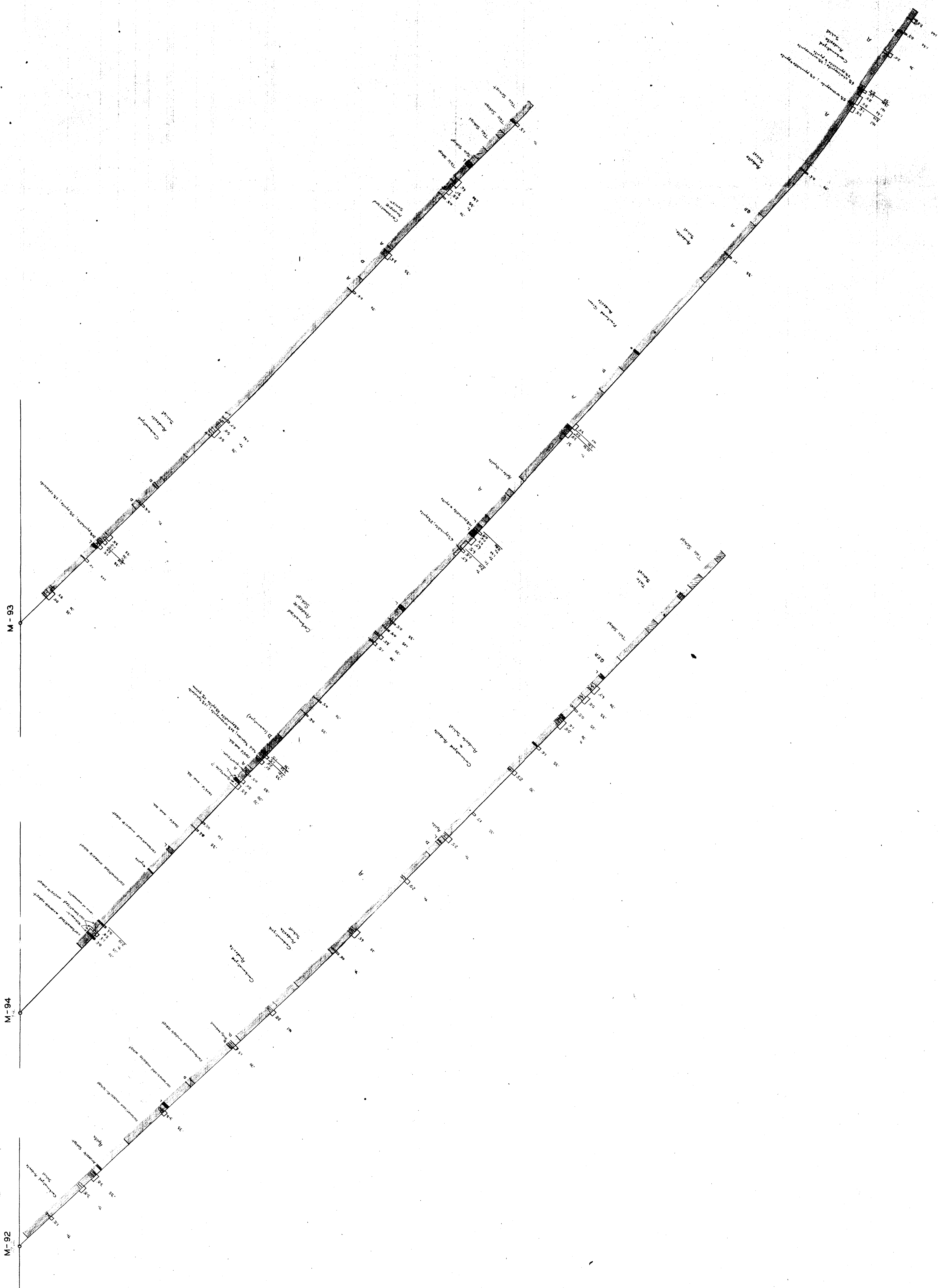
280



8



63-3868



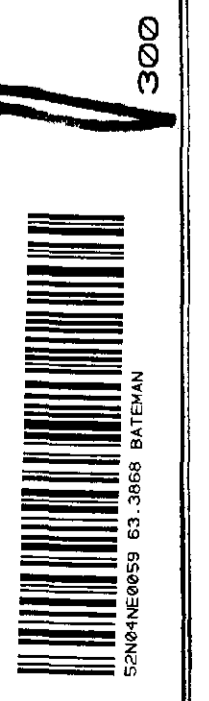
McFINLEY RED LAKE GOLD MINES LTD.

DDH SECTIONS
OF
M-92 M-93 M-94

SCALE 1" = 20'


63-3868

9

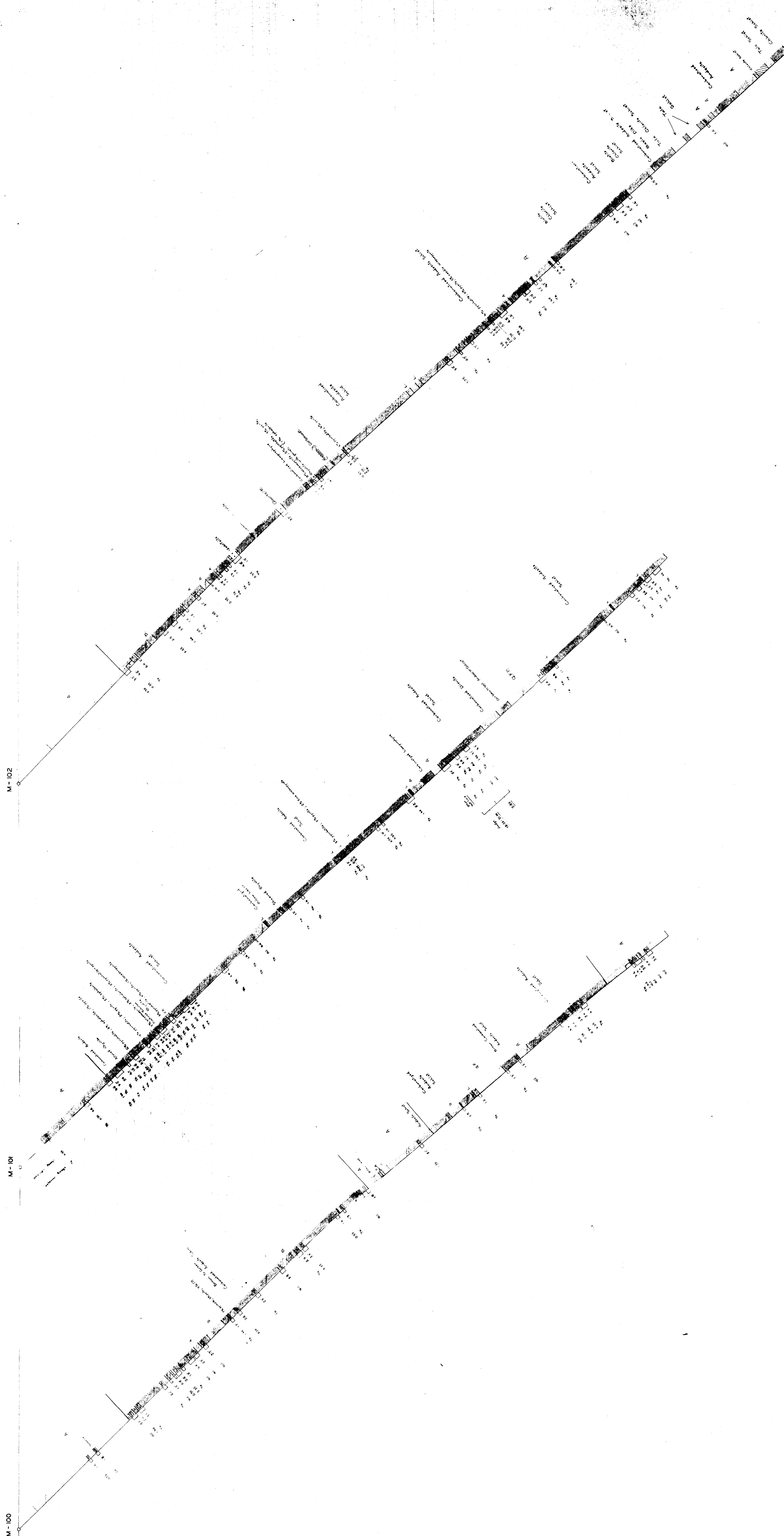


3000

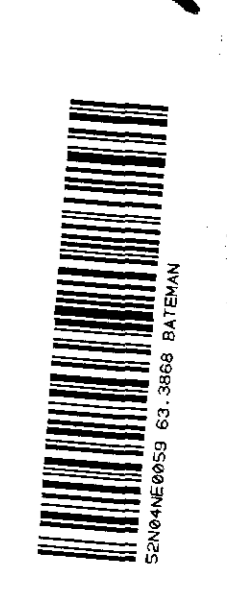



 DDH. SECTIONS
 ON
 MCFINLEY RED LAKE GOLD MINES
 OF
 M-83 M-84 M-85 M-86
 63-3868
 Scale 1" = 20'





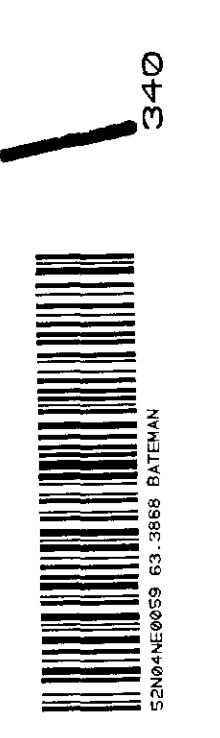
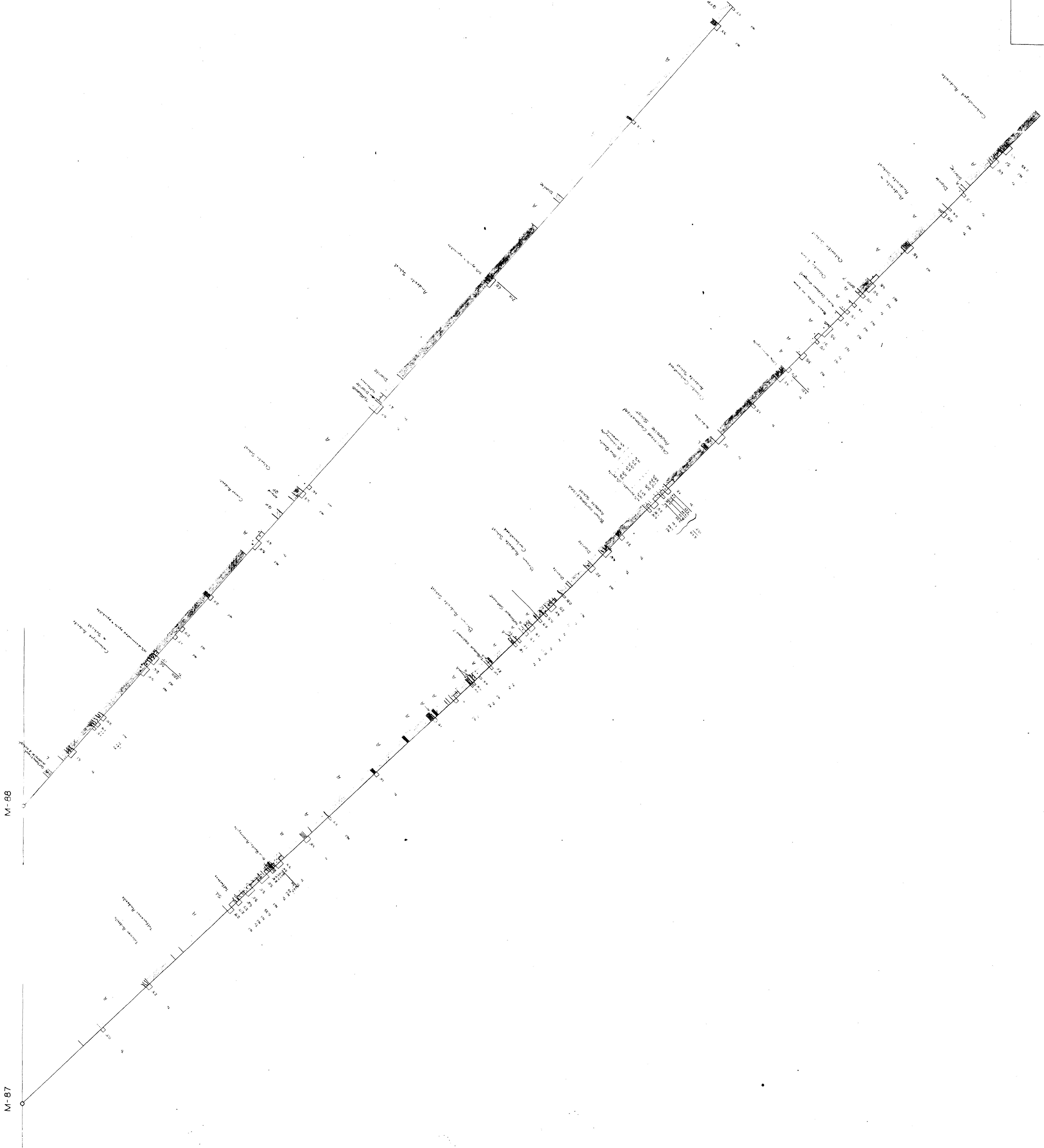
McFINLEY RED LAKE GOLD MINES LTD.
 DD.H. SECTIONS
 OF
 M-100 M-101 M-102
 SCALE 1" = 20'
 63.3868
 17

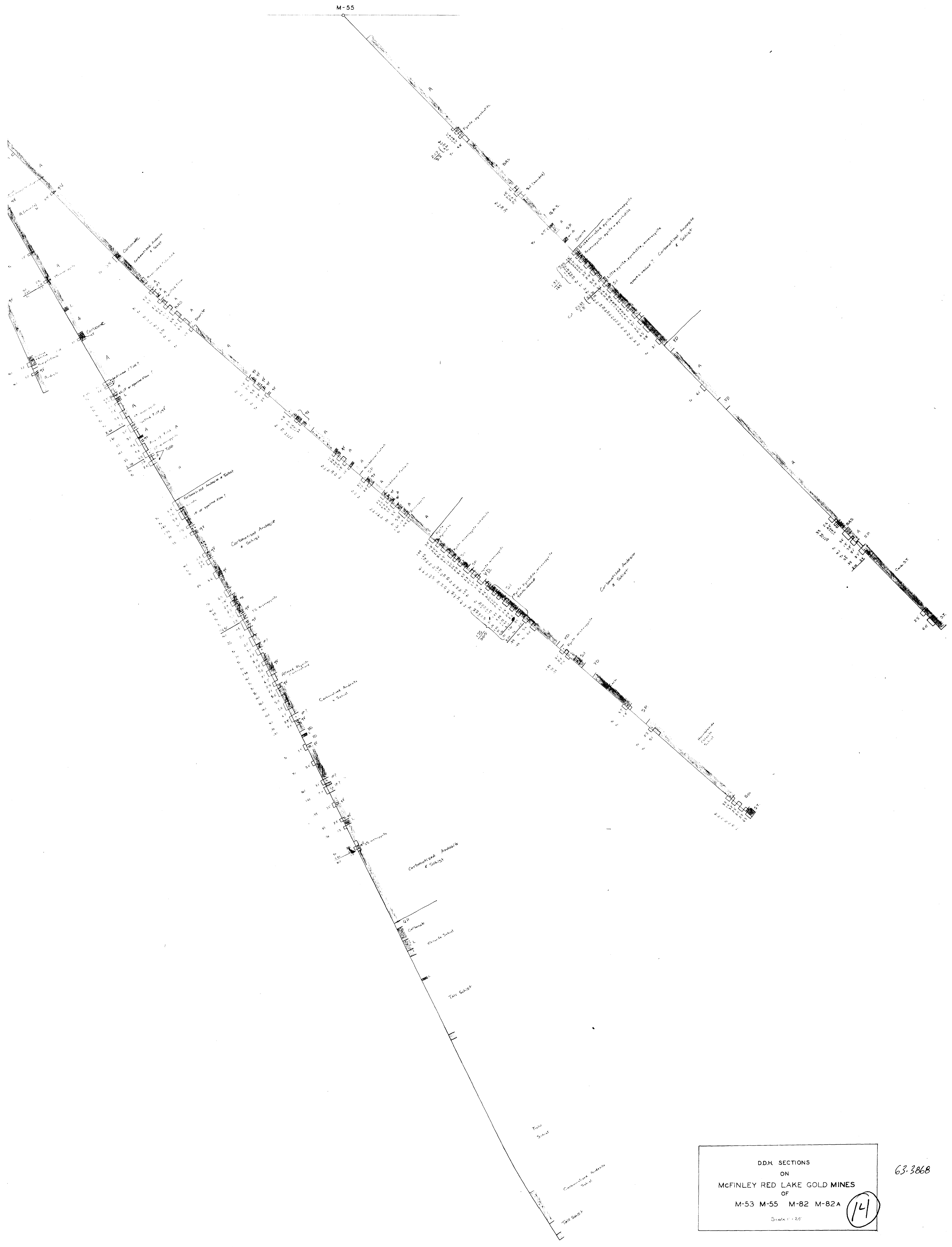


350

63-3868
 DDH SECTIONS ON
 MCFLINLEY RED LAKE GOLD MINES
 OF
 M-87 M-88
 Scale 1" = 20'

13

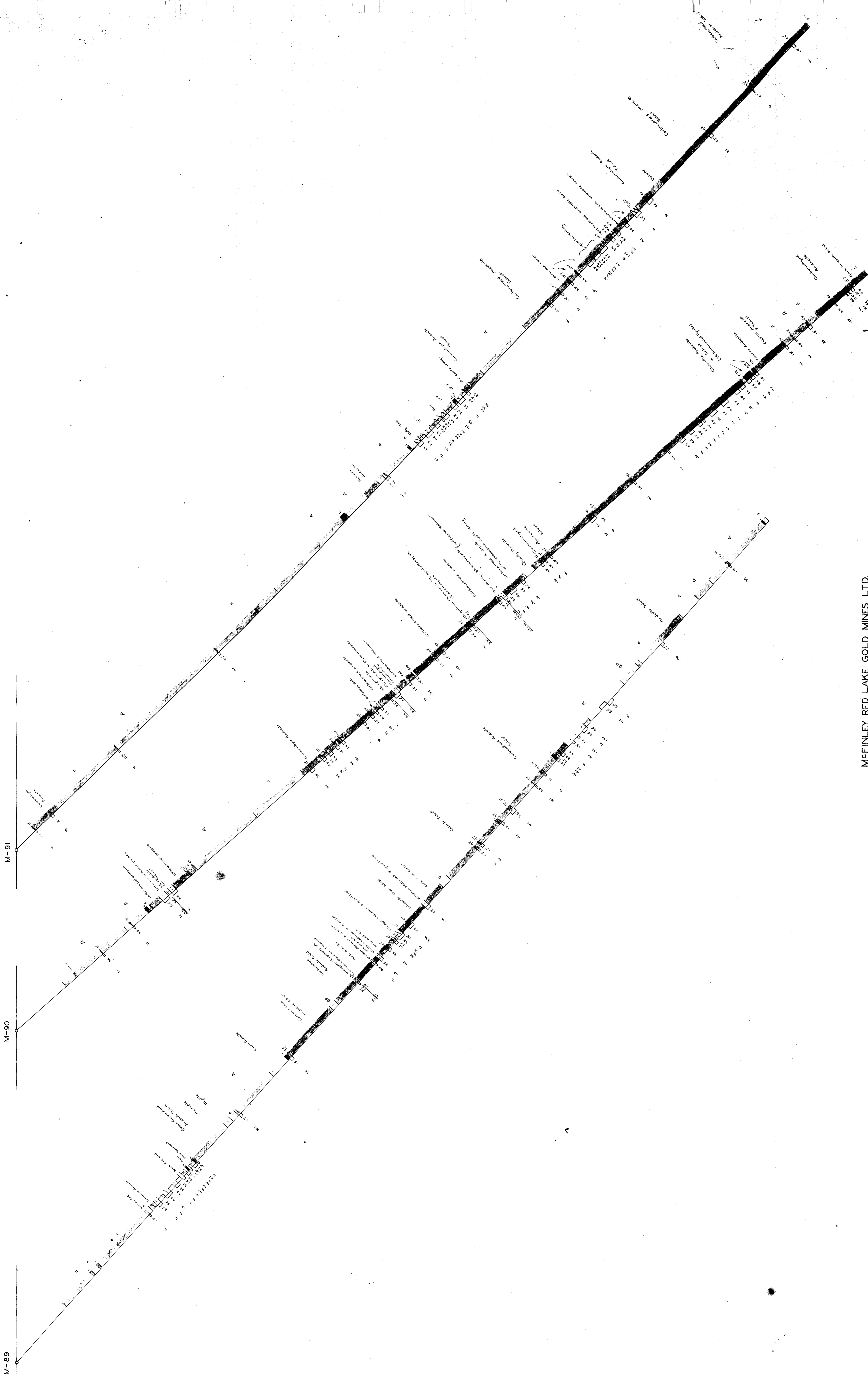




DDH SECTIONS
 ON
 McFINLEY RED LAKE GOLD MINES
 OF
 M-53 M-55 M-82 M-82A
 Scale 1" = 20'

63.3868

(14)



MCFINLEY RED LAKE GOLD MINES LTD.

63-3868

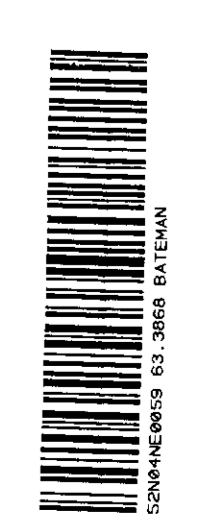
DDH SECTIONS

OF

M-89 M-90 M-91

SCALE 1" = 20'

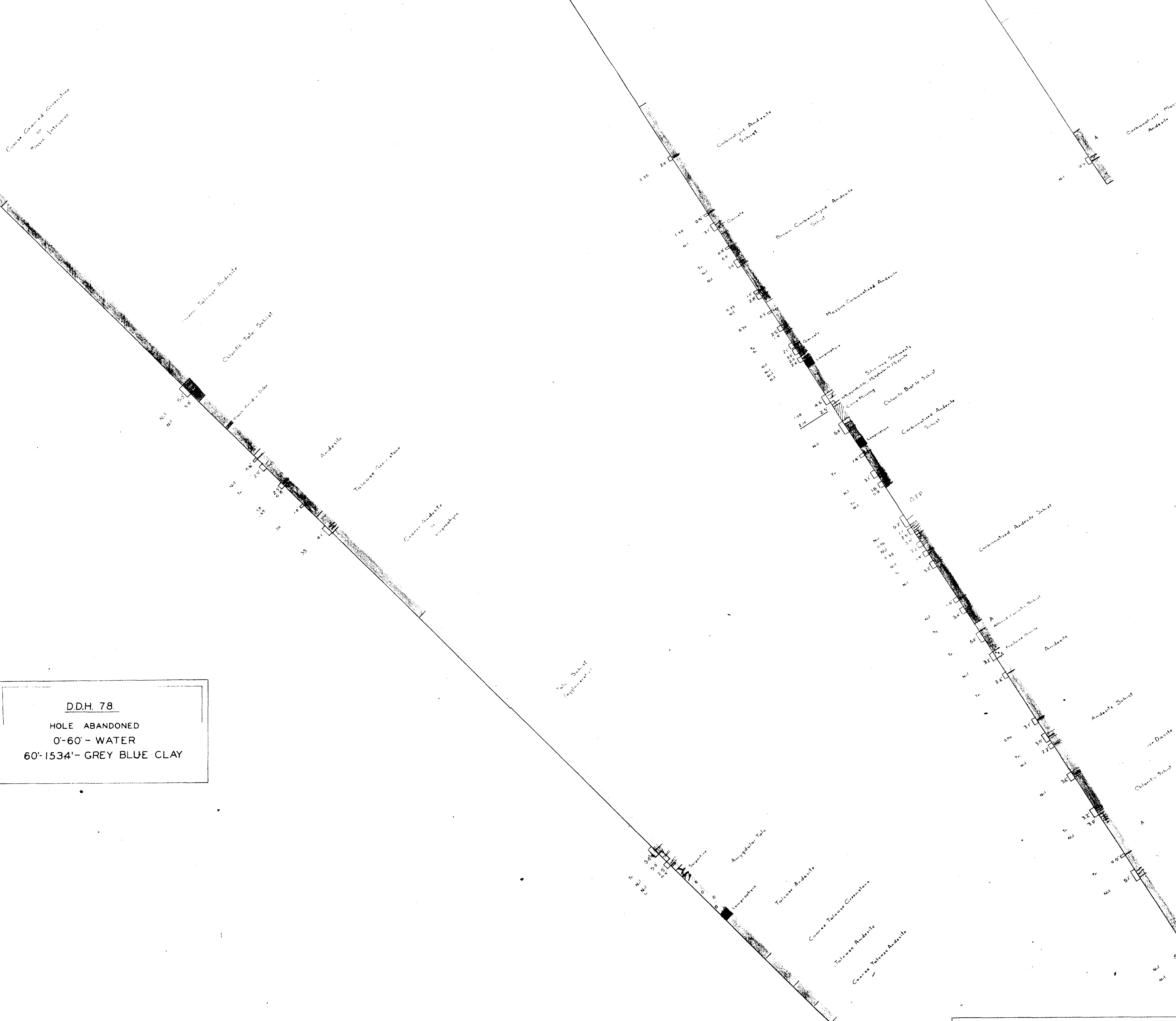
15



M-79

M-76

M-77



D.D.H. 78
 HOLE ABANDONED
 0'-60' - WATER
 60'-1534' - GREY BLUE CLAY

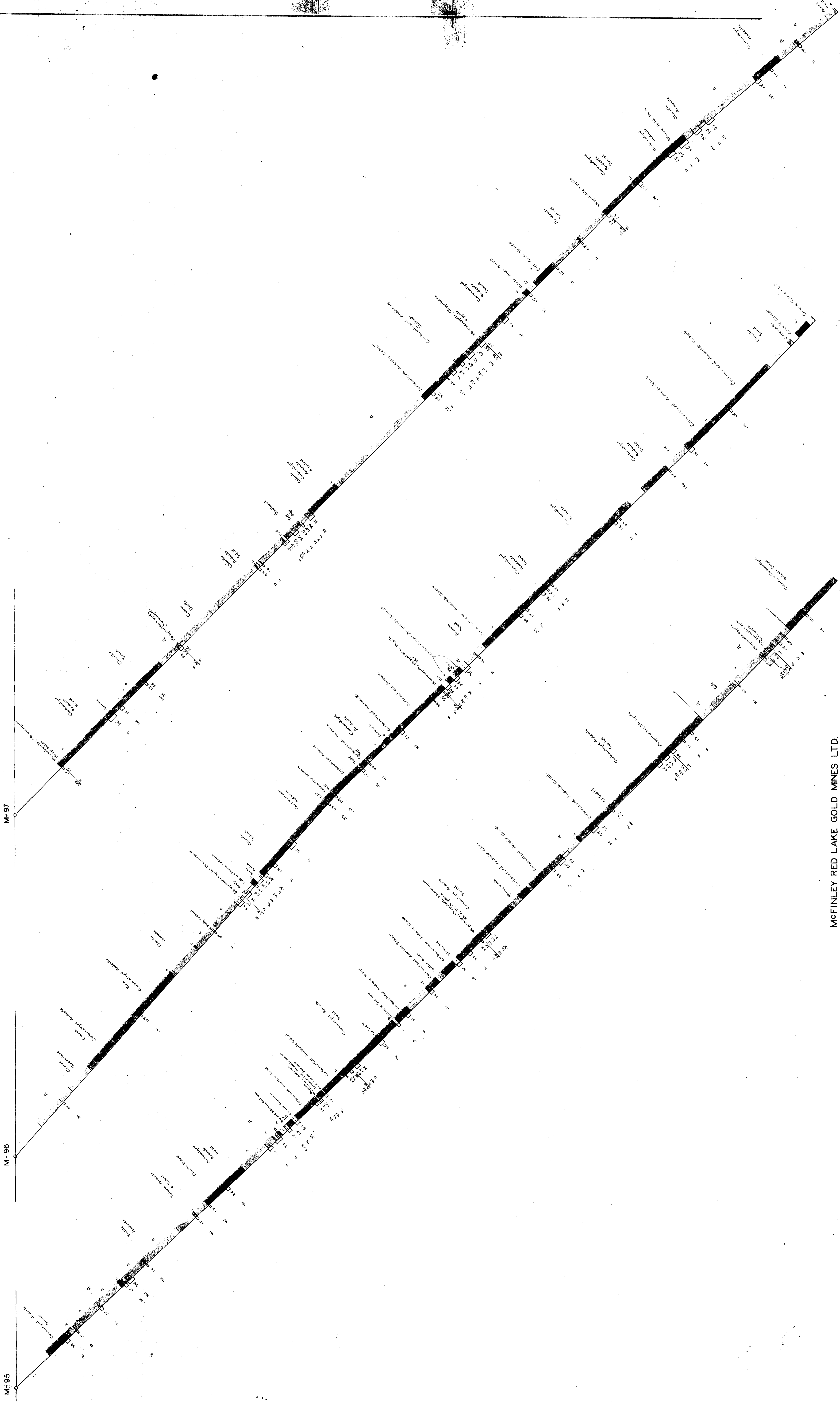
D.D.H. SECTIONS
 ON
 McFINLEY RED LAKE GOLD MINES
 OF
 M-76 M-77 M-79
 Scale 1" = 20'

16





ES LTD.



McFINLEY RED LAKE GOLD MINES LTD.

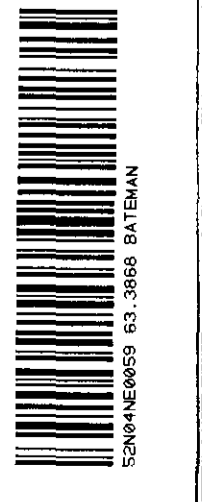
DDH SECTIONS
OF

M-95 M-96 M-97

SCALE 1" = 20'

63. 2668

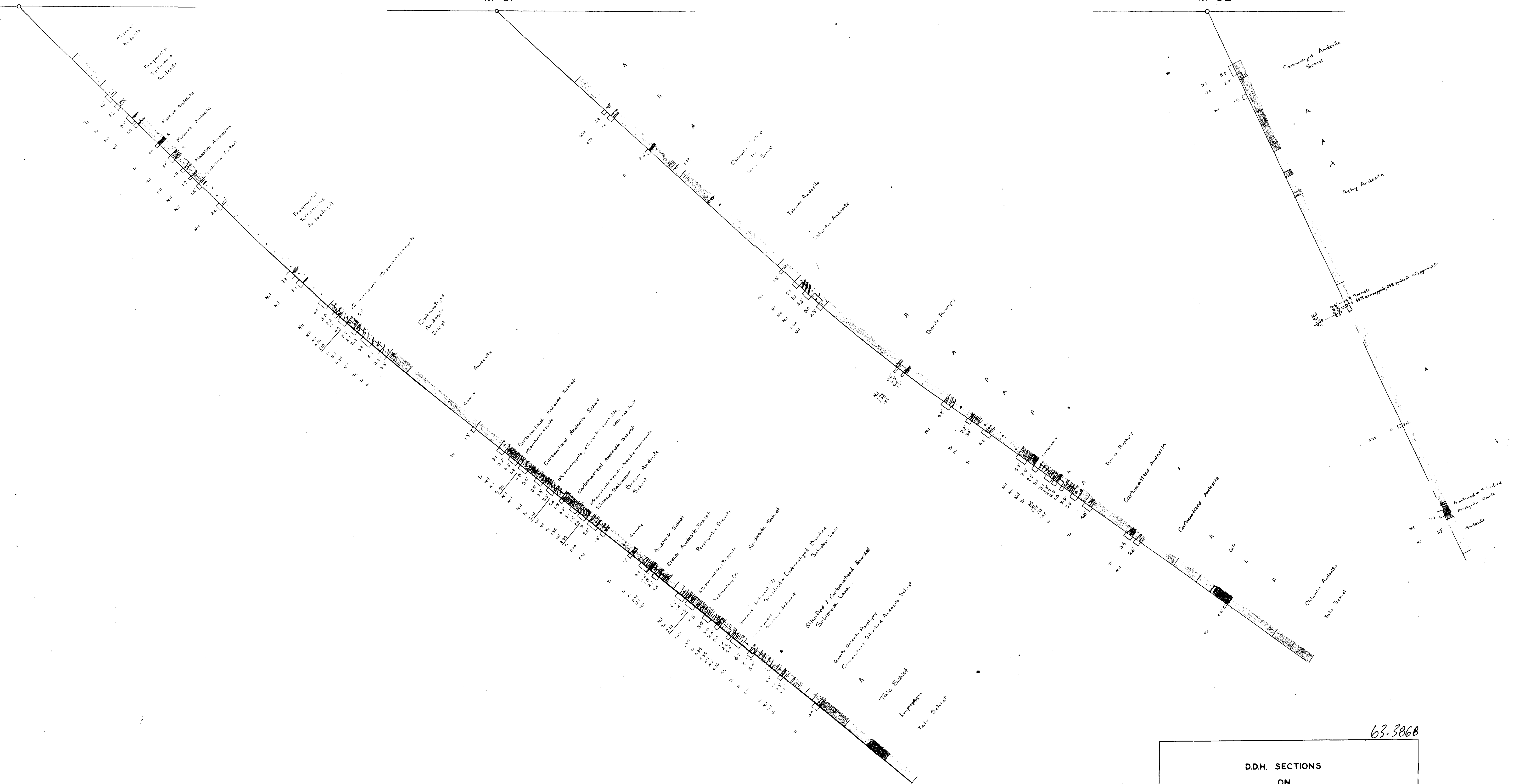
18



M-80

M-81

M-82



63.3868

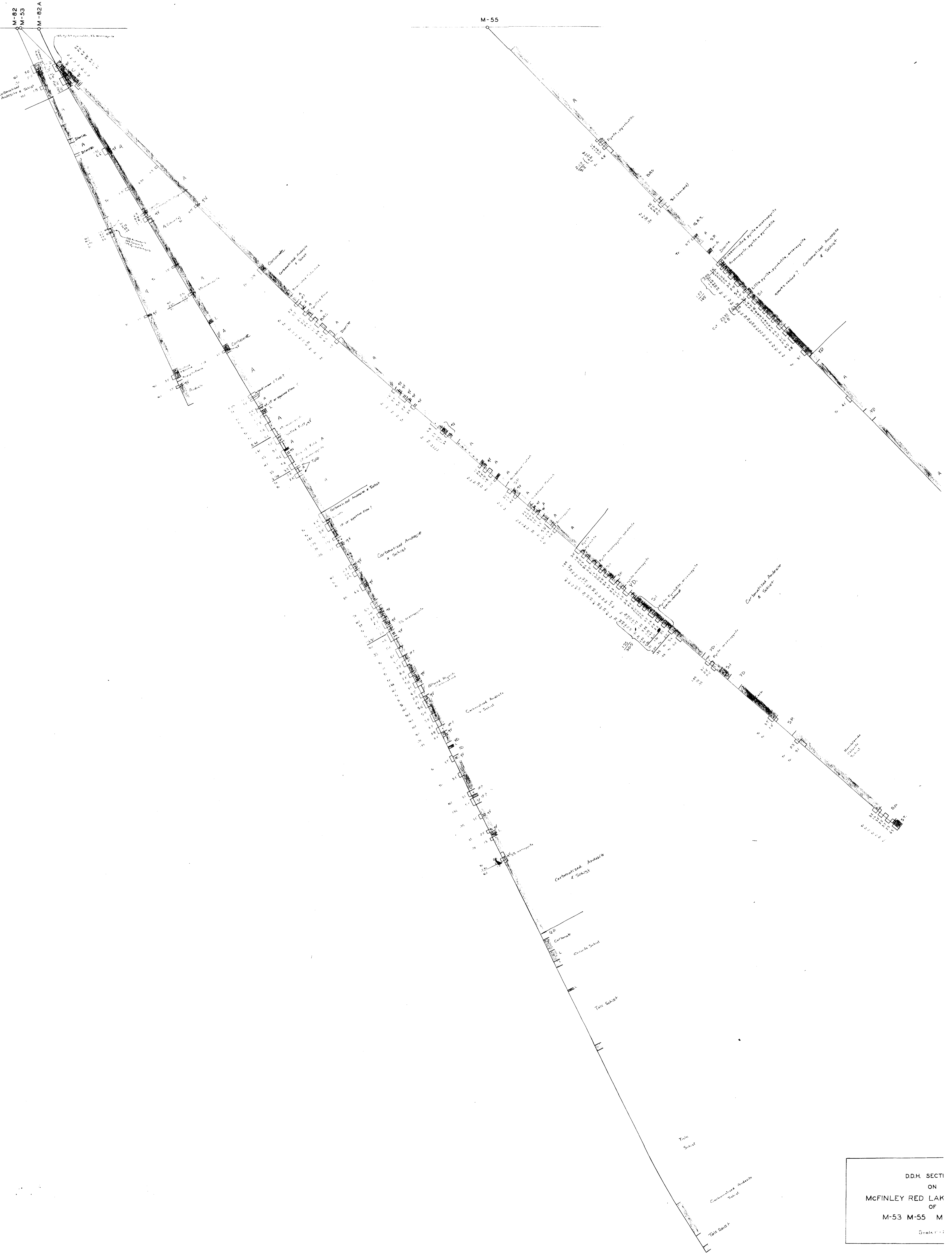
D.D.H. SECTIONS
ON
MCFINLEY RED LAKE GOLD MINES
OF
M-80 M-81 M-82

Scale 1" = 20'

19



400



DDH. SECT
ON
MCFINLEY RED LAK
OF
M-53 M-55 M
Scale 1" = 10'



M-98

M-99



63-3868
 McFINLEY RED LAKE GOLD MINES LTD.
 DDH SECTIONS
 OF
 M-98 & M-99
 SCALE 1" = 20'

M(17)

