OM94-080

DIAMOND DRILL REPORT
ST. JUDE RESOURCES LTD.
EARNGEY TOWNSHIP, ONTARIO (NTS 52N/2)
RED LAKE MINING DIVISION

Re: APPLICATION FOR GRANT
1994 ONTARIO MINERAL INCENTIVES PROGRAM

R. Ken Germundson, PhD

January 12,1995

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SUMMARY

(From Alderman, 1994)

Between the dates May 17th and June 21st, 1994 a program of diamond drilling was carried out on the St. Jude Resources Earngey Township Property. A total of 11 drill holes were completed with a total footage of 4,436' (1,352m). This program has helped establish continuity of the structure in the Woco Vein, although the grade of ore varies dramatically. The variance in grade is not at all unexpected in a narrow quartz vein deposit with high grade gold values such as are found here. The program also defined the size of the Woco Vein to be approximately 250 feet in strike length and 500+ feet in vertical height. The upper Woco Vein is approximately 3.5 to 5.0 feet in width. A narrower (less than 3.0 feet) portion of the vein extends to the north. This portion plunges at approximately 60 degrees to the north, has a strike length of 275 feet and a vertical height of 150 feet. The drilling did not close off this lower portion at depth.

The Woco Veoin is located at the contact of a dacitic lava flow (hanging wall) and a basalt pillow lava (footwall). There is evidence of shearing at this contact and the competence variance between the two units may have caused a dilation zone that was a locus for the quartz vein emplacement. The shearing forces may be related to a major E-W striking fault that defines the southern end of the quartz vein. Two holes drilled approximately 350 feet north of this fault showed evidence that at this point the shear is located entirely within the dacite rock unit, and thus, due to the lack of competence variance, did not provide a viable conduit for quartz vein emplacement.

Ore reserve calculations were carried out using simple mid-point polygons for each drill hole. The figures derived although not exact do provide a reasonable estimate of the tonnage and grade. The polygons indicate that there is approximately 21,250 tons of ore at a grade of 0.80 ounces per ton for a total of about 17,000 ounces of gold. At a value of 500 dollars Canadian per ounce of gold this would represent roughly $8,500,000.

The drilling to date has indicated a strong relationship between the Woco Vein and the major E-W shear. There may be many of these dacite-basalt contact zones across the property and possiblymore E-W shear zones (Note: The West Rhyuolite Zone is a prime target.) In this case, especially in the light of the fact that the Woco Vein is a "blind" deposit, it would be reasonable to assume that there may be more of these deposits on the property.

A 5,000 foot drill program is warranted to complete the deeper drilling on the Woco Vein. At least one possibly two drill holes should be completed to the north of the existing Woco Vein. Reconnaissance work on other gold showings on the property should be carried out. (Note: West Rhyolite has no known gold occurrence associated with it but its contact with basic volcanics defines it as a target.)

1994 DIAMOND DRILL AND SUMMARY REPORT ST. JUDE RESOURCES LTD. EARNGEY TOWNSHIP, ONTARIO (NTS 52N/2) RED LAKE MINING DIVISION

Re: APPLICATION FOR GRANT
1994 ONTARIO MINERAL INCENTIVE PROGRAM

INTRODUCTION

The following diamond drilling and summary report forms a part of the Application for Grant under the terms of the 1994 Ontario Mineral Incentives Program. In order to present a complete picture of the drilling results obtained to date from the Uchi Lake Property, both of the 1993 and 1994 programs are described. The positive results obtained from the 1993 diamond drilling program led to the 1994 program being recommended.

During 1993, 2,330 metres (7,645 feet) of BQ diamond drilling was done in 23 holes. The results from the holes, which are located in mineral claims KRL 910547 and KRL 910550, gave estimates of 8,000 to 10,000 tonnes of gold-bearing quartz vein averaging 31.2 grams per tonne. The primary target was the Woco Quartz Vein, a north-south trending feature which generally lies along the contact between a dacite and a basalt.

A total of 1,352 metres (4,436 feet) of BQ diamond drilling was completed in 11 holes on the Uchi Lake Property between May 17 and June 21, 1994. (The total amount of drilling for the two programs is 3,682 metres (12,080 feet.). The 1994 drilling was located in claim KRL 910547.

Polygonal ore reserve calculations indicate that there is 17,068 ounces of gold present in 21,263 tons for an average grade of 0.73 ounces per ton. The values are uncut.

All of the diamond drilling was undertaken by Kenora Soil and Drilling. Supervision of the field work was by Messrs. Chester Kuryliw and Dave Alderman (1993) and Dave Alderman (1994).

The drill core has been stored at the site, and the drill intersections of gold-bearing quartz, plus some hanging and footwall rock, is in safe keeping with Mr. M. J. Terrell. Skead, Ontario.

The split core samples were assayed at Accurassay Laboratories, Thunder Bay, Ontario using the standard fire assay technique.

The holes were surveyed with a Sperry-Sun Single Shot down hole instrument. The casings for the holes were not retrieved in the case that further exploration using the existing holes is recommended.

PROJECT LOCATION

The property is located at and over Uchi Lake. The claims tie onto the southern boundary of the Uchi Lake Mine Property which has lain dormant, except for recent geophysical and geologic surveys and diamond drilling, since the early 1940s. On the south, there is a common boundary with the property held by Northgate Mines.

ACCESS

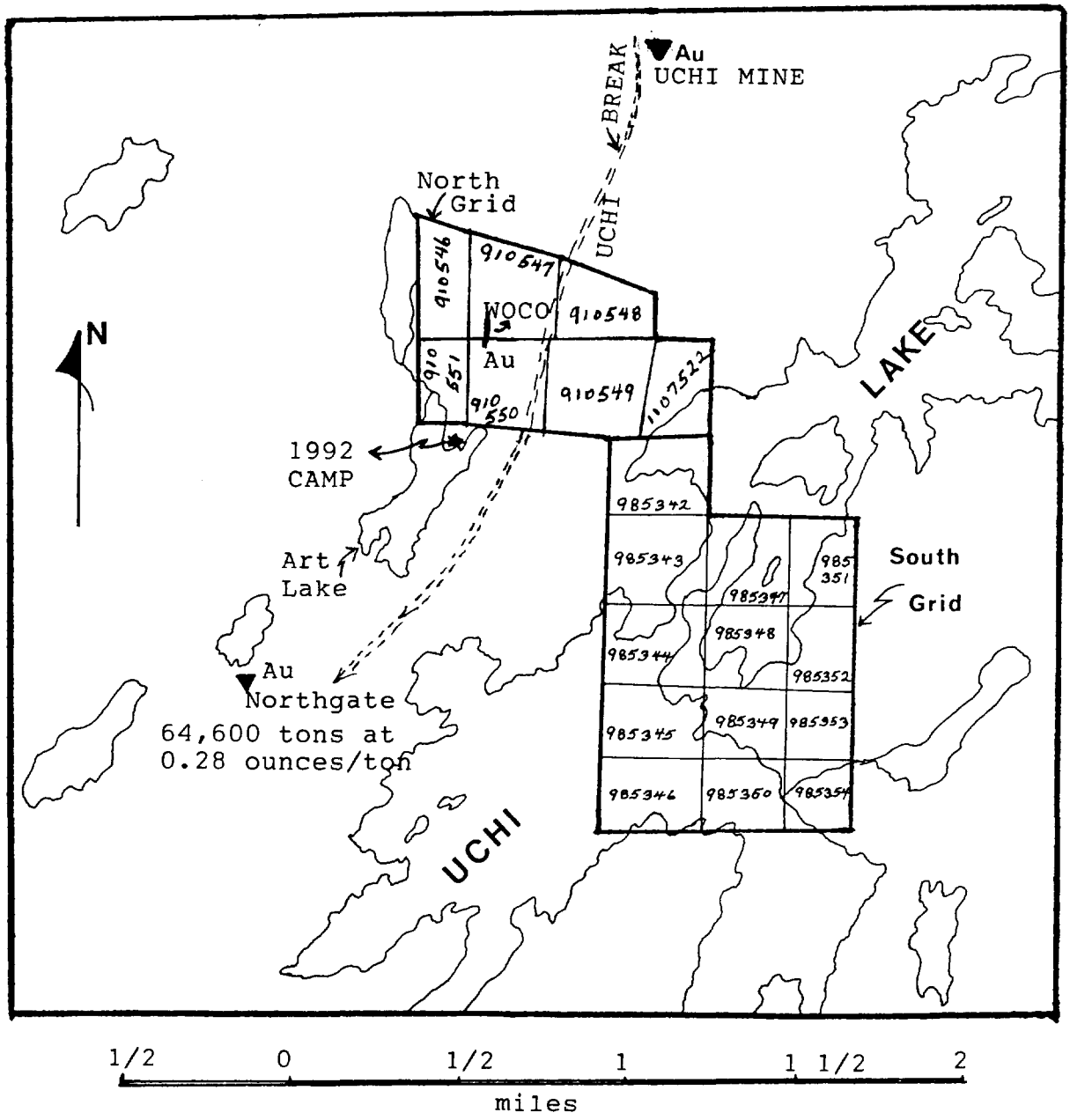
Throughout the winter and summer, fixed wing aircraft can land either on Uchi Lake or one of two smaller lakes which are located close to the Woco Vein area of interest. Road access is via the South Bay Road for some 70km from Ear Falls, then follow the hydro lion for about 6km to the Uchi Lake Mine Site. The hydro line access is possible only on foot or by tracked vehicle during the summer. From the Uchi Mine, a good trail extends southward for one half mile to the claims of St. Jude Resources Ltd.

PROPERTY

The property is made up of 20 contiguous mineral claims as follows: KRL 985342 to 985354 comprise the southern group.
KRL 910546 to 910551 and
KRL 1107552 comprise the northern group.

The 1993 diamond drill program was undertaken within claims 910547 and 910550.

REGIONAL LOCATION - From Ontario Government Road Map.



Claims Map: St. Jude Resources Limited, Earngey Twp., Ontario (NTS 52N/2).

EXPLORATION HISTORY

The first documented phase of prospecting in Earngey Township took place during the period of 1927 to 1929; numerous gold showings were trenched, and some underground development was done north of the St. Jude Property. During the 1930,s trenches were excavated in several parts of the claim group. In particular, the Woco vein (Woco Exploration) was traced for a distance of about 400 feet. Many of the quartz veins and patches hosted by the rhyolite sequence, located west of the Woco Vein, were exposed (see: Index Map of Stripping and Washing and the Compilation Map).

A series of seven diamond drill holes were completed along the south trending Uchi Break (during the 1930's and by Woco Explorations?) within the claims now held by St. Jude Resources. Quartz stringers, veins and networks, associated with the Uchi Break, were intersected. The quartz-bearing zone increased in thickness to more than 200 feet in present claim KRL 910549. Gold values were at least anomalous (see: Compilation Map). The drill holes are shown on Geologic Map 47C which was published by the Ontario Department of Mines (Thomson, 1938).

Note that gold production from the Uchi Mine took place between 1938 and 1943 during which time 114,467 ounces of gold and 14,345 ounces of silver were extracted. A combination of events, including the shortage of man power and recovery problems, caused the mine to be closed.

The property was mapped by C. J. Kuryliw during 1968. He sampled the Woco Quartz Vein at that time and a significant gold value was returned. During the same year, the South Bay massive volcanogenic, copper-zinc-silver was discovered about 800 feet west of Earngey Township in Dent Township.

Mr. J. Terrell of Skead, Ontario, acquired the property starting in the 1980'S. The Ontario Geological Survey published Geologic Report 237 by P. C. Thurston in 1984; the report covers several townships.

During the winter of 1988 a grid system was established on the property. Magnetometer and electomagnetic surveys were completed over the entire claim group. An induced polarization

survey was completed over the northernmost seven claims. Power stripping was carried out, and part of the Woco Vein was re-exposed at that time. The southermost 13 claims were mapped in 1990 (the seven north claims were mapped within the same time period +/-). Also during 1990 humus samples were collected from selected areas of the north claims.

A stripping and bedrock washing program was completed in 1992. The work took place especially where elevated values of gold in humus occurred, over the Woco Vein and along the rhyolite sequence located towards the west from the vein. 7,645 feet of diamond drilling in 23 holes was completed in two stages during 1993.(see: Introduction; Claim & Econ. Geology).

REGIONAL GEOLOGY

Earngey Township is located in the Birch-Uchi Lakes metavolcanic-metasedimentary belt of the Uchi Subprovince (Goodwin, 1967; Thurston, 1984). The Birch-Uchi Lakes segment contains north-trending rocks over a length of 64 kilometres and a width of 32 kilometres. It lies within the generally east-west trending Uchi Subprovince. The subprovince is surrounded by granitic batholiths (see Map of General Geology).

According to Thurston, 1984: "The belt is folded about a regional, central synclinorial axis and consists of three mafic to felsic volcanic cycles comprising a total thickness of about 8460 m." In general, the Birch-Uchi Lakes rock section is composed of mafic and intermediate volcanics occurring at a ratio of about 2:1. Thinner bands of sediments and acid volcanics are present throughout the mafic and intermediate volcanic deposits. However, considerable deposits of metasediments occur along the eastern flank of the Birch-Uchi Lakes Belt.

Many rock sequences originally mapped as diorite or gabbro are now known to be the centre portions of thick flows where slower cooling allowed for the development of the coarse texture. Felsic to intermediate intrusive rocks may cover relatively large areas, and they often parallel the strike of the volcanic strata.

Regional structures tend to strike parallel to the stratigraphy (north-south). East-west trending transverse faults are common.

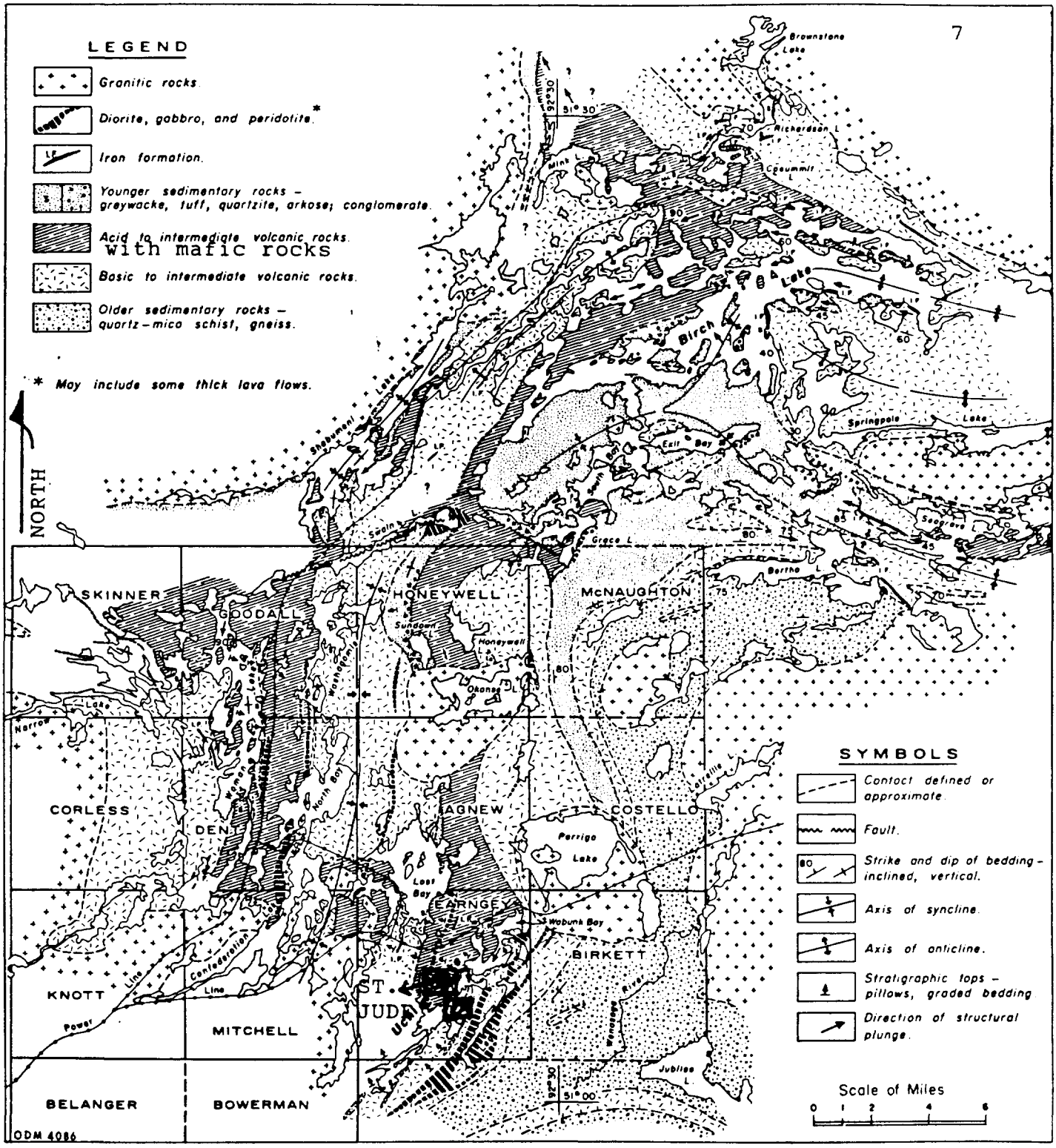


Figure — General geology of the Birch – Uchi Lakes Area.
(Goodwin, 1967)

R. K. Bernundson
March 10, 1994

LITHOLOGIC UNITS

PHANEROZOIC

Cenozoic

Quaternary

Recent

Swamp, stream and lacustrine deposits.

Pleistocene

Till, clay, sand and gravel.

-Unconformity-

PRECAMBRIAN

Archean

Felsic to Intermediate Intrusive Rocks

Syenite, monzonite, granodiorite, trondhjemite, quartz diorite.

-Intrusive Contact-

Metamorphosed Mafic to Ultramafic Intrusive Rocks

Gabbro, diorite, quartz diorite, pyroxinite, peridotite, dunite and porphyritic mafic intrusive rocks.

-Intrusive Contact-

Metasediments

Chemical Metasediments

Chert and magnetite-bearing ironstone.

Clastic Metasediments

Arenite, wacke, mudstone, arkose, reworked felsic tuff, arkose, and conglomerate.

Metavolcanics

Felsic Metavolcanics

Flows to pyroclastics.

Intermediate Metavolcanics

Flows, pyroclastics and pillow deposits.

Mafic Metavolcanics

Flows, pyroclastics and pillow deposits.

ECONOMIC GEOLOGY

Other than the South Bay volcano-sulfide deposit, discovered in 1968 and now abandoned, gold and some related silver are the only mineral commodities occurring in significant amounts in the Birch-Uchi Lakes Area. Between 1933 and 1943, gold production came from 5 deposits with just under half coming from the Uchi Mine. Brecciation and pyritization may or may not be present.

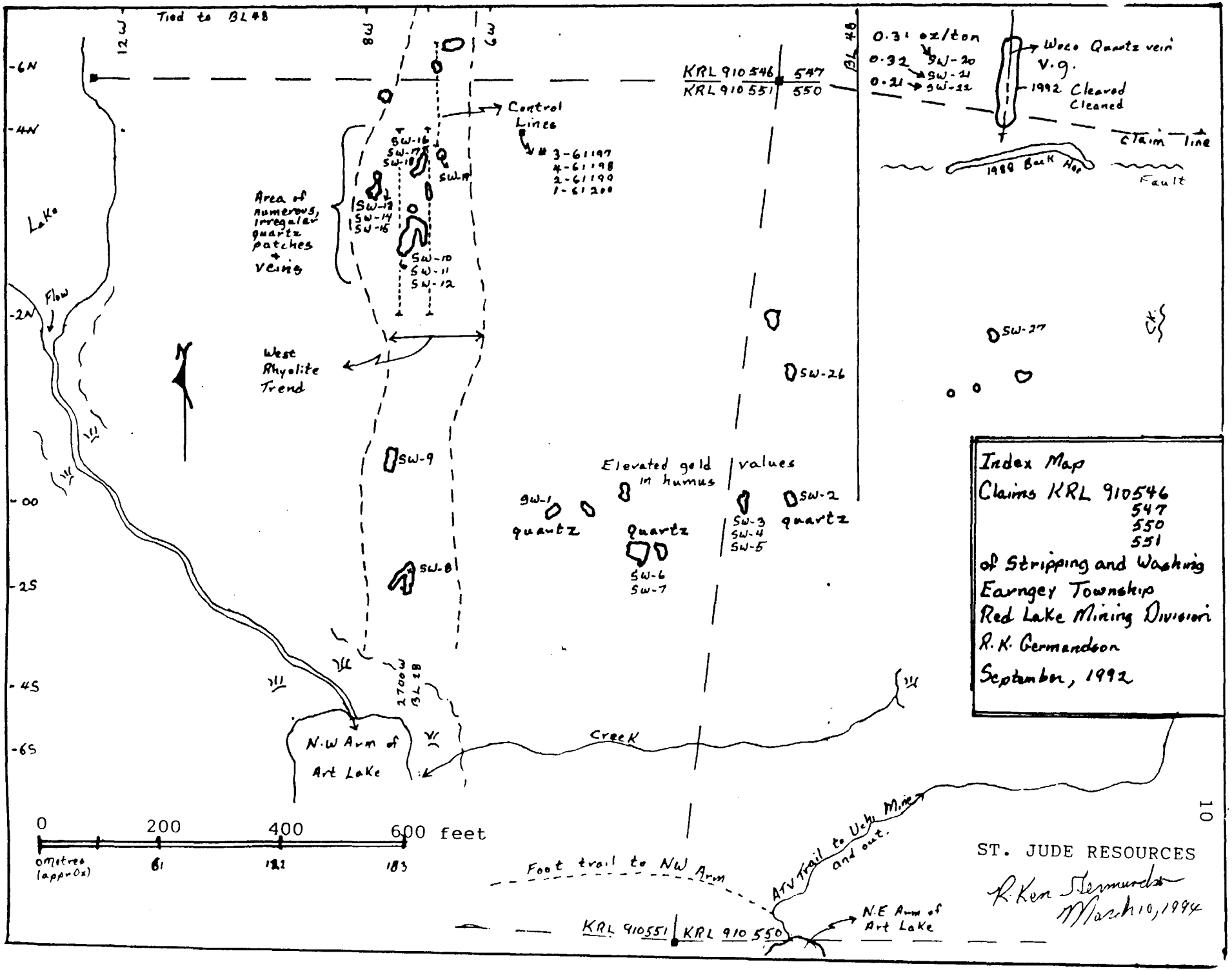
The most important association of gold mineralization in Earngey Township is with silicification (as quartz veins, networks, patches and stringers) controlled by structures. Important loci for the structures are parallel to subparallel to the contacts between acid and intermediate to basic flows (Goodwin, 1967). West of the Woco Vein on St. Jude Resources Claims, much of the quartz exposed to date is central to the west rhyolite sequence. Little is known about the contact here.

The Mineralized bodies at the Uchi Mine consist of quartz veins and stringers. A volcanic rock sequence made up of narrow andesite and basalt flows are interbedded with one to three foot beds of rhyolite. Visible gold is present in the white to vitreous quartz and has been reported from the adjacent, pyritized volcanic rocks (Goodwin, op. cit.). The Northgate Mines gold deposit is likewise hosted by quartz veins. The Uchi Mine, Woco Vein and the Northgate deposits are all located adjacent to the Uchi Break (see: Claims Map).

The Woco Vein (see: Claims Map, Compilation Map and Stripping and Washing Plan) is located in a shear. Mineralization, other than visible gold, is very sparse. An occasional grain of sphalerite or chalcopyrite has been noted in the core from the quartz veins. Assays have returned as much as 1.909 (uncut) ounces of gold per ton across a true thickness of 4.3 feet.

The attitude of gold-bearing quartz veins is variable. Although many occur with structures which parallel the stratigraphy of the volcanic rocks, others have been emplaced along transverse structures.

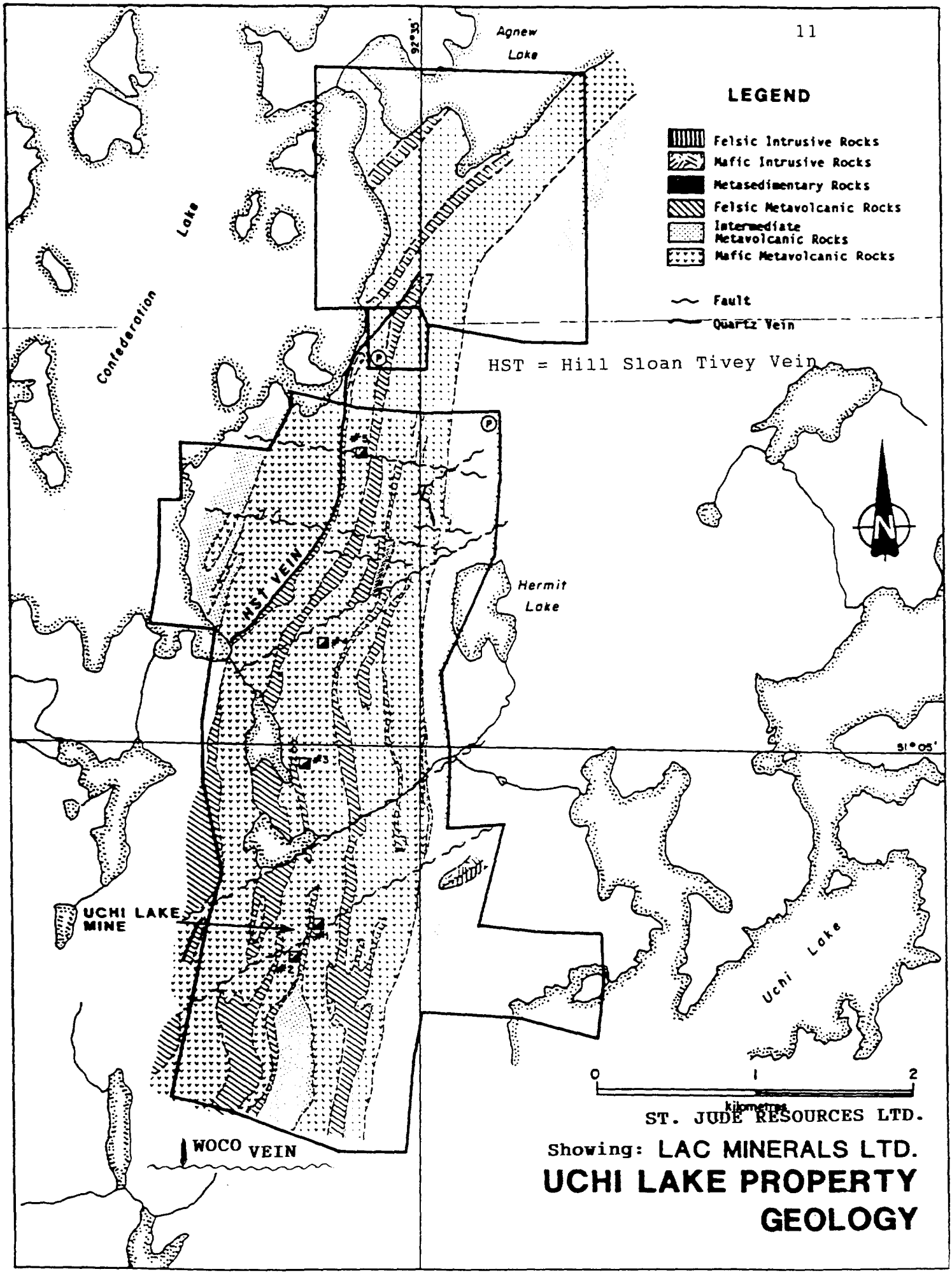
As to the genesis of the deposits, it is strongly felt that both hydrothermal and syngenetic processes can have occurred.



Index Map
Claims KRL 910546
547
550
551
of Stripping and Washing
Earngey Township
Red Lake Mining Division
R. K. Germandson
September, 1992

ST. JUDE RESOURCES

R. Ken Germandson
March 10, 1994



ST. JUDE RESOURCES LTD.

Showing: LAC MINERALS LTD.

UCHI LAKE PROPERTY GEOLOGY

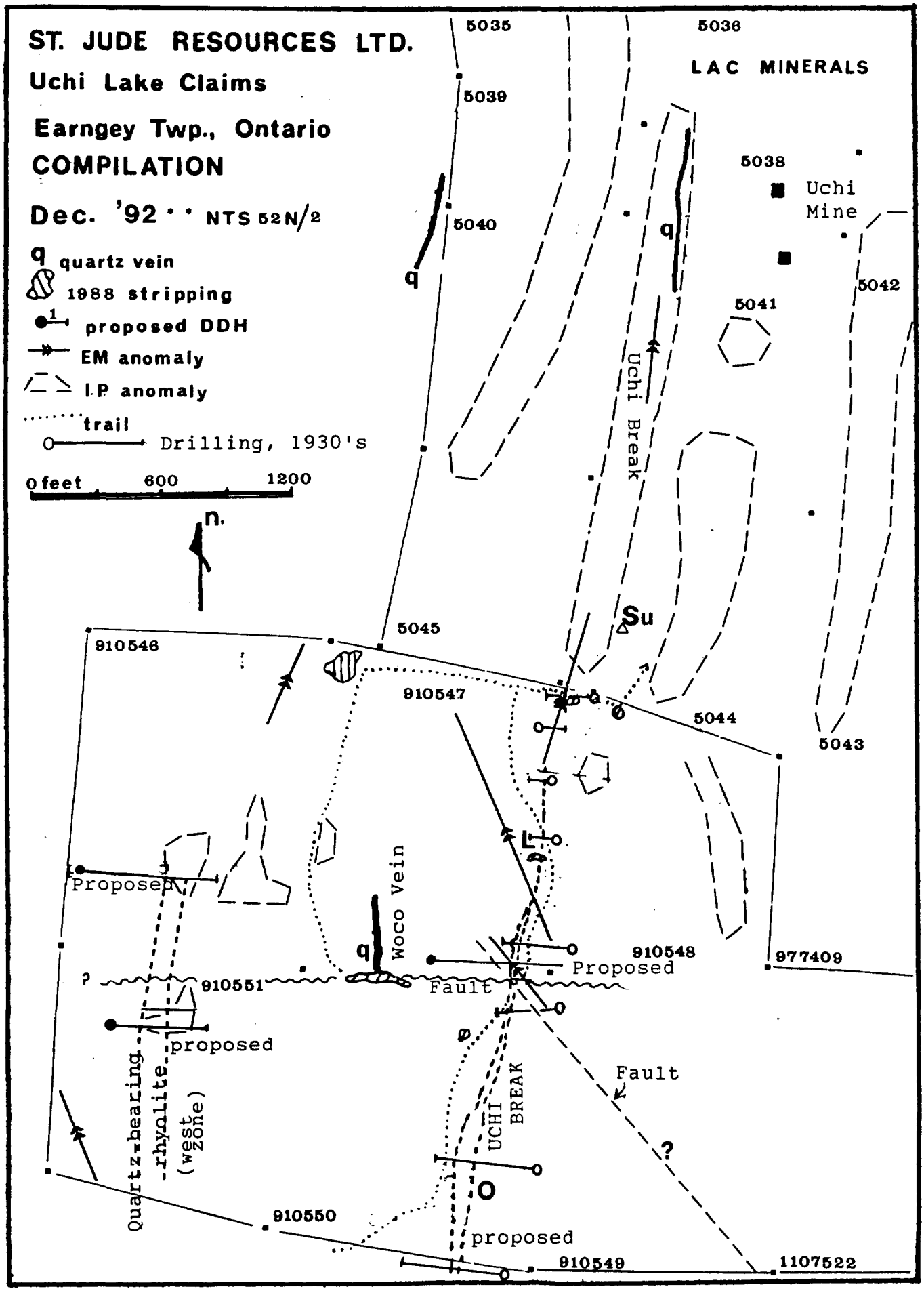
STRUCTURE

The Woco Vein contains 17,068 ounces of gold (uncut) in a volume of 21,263 tons for a grade of 0.80 ounces of gold per ton across 3+/- feet. The vein was emplaced along the contact between volcanic rocks composed of dacite (hanging wall) and basalt (footwall).

Within the Uchi Lake area structural settings, conducive for quartz deposition, commonly occur at such contacts where rocks of differing composition and properties of deformation occur. Rhyolite and dacite are brittle and tend to fracture whereas a basalt is not so competent and will shear when placed under stress.

Similar geological settings are the control for gold in quartz veins for 1 - the old Uchi Mine located 1½ kilometres north of the Woco Vein where there are reserves of 191,000 tons grading 0.13 ounces of gold per ton across 4.4 metres, 2 - the Grasssett Mine area located about 3 kilometres north of the Woco Vein where the Hill Sloan Tivey Vein contains an estimated 296,000 tons grading 0.219 ounces of gold per ton across 1.3 metres and 3 - the Northgate deposit located about 2 kilometres south of the Woco Vein where there are 64,000 tons grading 0.28 ounces of gold per ton. (See Claims and Lac Minerals maps).

The Woco Vein is a north-south trending feature which has a strike length of 250 to 300 feet (75 to 90 metres) on the surface. At the southern known limit of the Woco Vein trend, there is an east-west trending cross fault. Kuryliw (1993) states that the north block containing the Woco Vein has moved upwards relative to the south block and that stresses from this relative movement produced torsional forces which caused shearing and fracturing along the contact between the dacite and basalt. The dilatant plumbing system for quartz and gold bearing, hydrothermal solutions was thus formed. Other gold shoots associated with conjugate (occurring in pairs) shears are likely present in the area. East-west to northeast-southwest trending transverse faults are common within the Uchi Lake area and are related to the regional Uchi Lake Fault which strikes northerly (parallel to subparallel to the local stratigraphic trend and most of the gold bearing structures).


ST. JUDE RESOURCES LTD.
Uchi Lake Claims
Earngey Twp., Ontario
COMPILATION
Dec. '92 • • NTS 52N/2
q quartz vein
1988 stripping
1 proposed DDH
EM anomaly
I.P anomaly
trail
Drilling, 1930's
0 feet 600 1200
n.
5035
5036
LAC MINERALS
5039
5038
Uchi Mine
5040
5042
5041
Uchi Break
5045
Su
910546
910547
5044
5043
Proposed
Woco Vein
910548
Proposed
977409
910551
Fault
proposed
Fault
UCHI BREAK
Quartz-bearing rhyolite (west zone)
910550
proposed
910549
1107522

GOLD MINERALIZATION

At the surface, the Woco Quartz Vein has a strike length of 250 to 300 feet. That part of the vein which is well mineralized with gold tends to be located at the contact between volcanic flows composed of dacite and basalt. Relatively unmineralized and narrow vein is present in drill hole intersections about 350 feet north of the east-west trending control fault; here the vein cuts into the dacite, and the conduit for quartz emplacement did not develop to the same extent as along the dacite-basalt contact.

About 21,264 tons of gold bearing quartz vein material has been outlined by diamond drilling. The shoot extends from near the surface down to a depth of about 500 feet, and it plunges steeply towards the north. At depth, it is open towards the north. The overall grade of the shoot is in the range of 0.80 ounces of gold per ton.

Diamond drill hole 94-J-34 (=94-J-11) was located in order to test the down plunge and northerly extension of the gold shoot. Here, the drilling intersected a lamprophyre dyke at the depth predicted for the quartz vein occurrence. In order to verify the plunge continuity for the gold, further drilling is necessary. The results for the vein intersection in diamond drill hole 94JR-29 (=94-J-6), 0.002 ounces of gold per ton across 1.55 feet, were not expected, but they are due to the intersection of a lamprophyre dyke.

The three holes, 93JR-15 to 93JR-17, were drilled in the south block. Hole number 93JR-23 was terminated prior to reaching the quartz vein. Drill hole 94-J-30 (=94-J-7) crossed the vein in the vicinity of 93JR-23 and returned 0.713 ounces of gold per ton across 2.54 feet.

The property contains other potential targets. Under the present model, suitable north-south trending features cut by east-west +/- trending structures are prospective targets. Two such situations are immediately brought to mind, both possibly associated with the extensions of the east-west trending fault located at the south end of the Woco Vein. These are in the area where the east-west trending fault would intersect the Uchi Break and the West Rhyolite Zone.

CONCLUSIONS

(In part from Alderman, 1994)

The drilling in 1994 has better defined the size of the deposit. While the strike length was somewhat shorter than previously believed (250 versus 300+ feet) the gold bearing shoot is still open at depth. and grades 0.80 ounces per ton. for a total of 21,250 tons.

The gold mineralization is still seen to be consistent with the previous phase of drilling and may occur with minor galena and chalcopyrite. The rarity of arsenopyrite can be considered a plus.

94J10 and 94J11 (23+50 N) did not intersect the Woco Vein. The sheared horizon, between the competent dacite and the less competent basalt, that hosts the Woco Vein, was undisturbed, but shearing had occurred in the dacite unit above the usual contact. This may show that the usual dilational conduit for the quartz vein emplacement was not present. DDH 94J10 returned higher than background values for gold (0.02 oz/ton Au) in the sheared zone away from the usual mineralized horizon.

The Woco Vein requires further investigation at depth. It is suggested that with controlled drilling, four or five holes be drilled below the 400 foot depth (4,600 level). One hole at least should be drilled below 93-JR-19, approximately 21+50 N, to intersect the Woco Vein near the east-west trending fault at a depth of 500 feet (4,500 level). Further definition drilling is needed for the area of 94-J-29 and the downward plunge extension of the shoot. The total footage for this program would be approximately 3, 000 feet.

RECOMMENDATIONS

(After Alderman, 1994)

DRILL PROGRAM

3,000 feet of BQ core drilling. This program would test the Woco Vein below the 400 foot depth and define the lower limits of the economic ore.

Contract Drilling: Includes directional testing. $16.00 per foot	$48,000.00
Field Geologist	$ 5,000.00
Assaying	$ 2,000.00
Expense: Includes travel, supplies, etc.	$ 2,000.00
Report Writing: Includes drafting.	$ 3,000.00
Total	$60.000.00

REFERENCES

Germundson, R. Ken: Summary of 1992 Field Work and Recommendations for the Earngey Township Property of St. Jude Resources Limited. Company Report, 1992.

Goodwin, A. M.: Volcanic Studies in the Birch Lake Area of Ontario. Ontario Department of Mines, Miscellaneous Paper MP. 6, January, 1967.

Kuryliw, Chester J: Report on the St. Jude Resources Limited Property, Earngey Township, Uchi Lake Area, District of Kenora, Ontario. 1993 Drilling. Company Report, October 8, 1993.

Thomson, James E: Department of Mines, Ontario, Geologic Map 47C, 1938.

Thurston, P. C: Geology of the Earngey-costello Lake Area, District of Kenora, Patricia Portion. Ontario Geological Survey, Report 237, 125 pp., 1985.

Alderman, David J: Report on the St. Jude resources Earngey Property, Uchi Lake Area, District of red Lake, Ontario (NTS 52N/2). In House Company Report. July 4, 1994.

CERTIFICATE

I, Robert Kenneth Germundson -

- reside at 110 Hyland Drive, Sudbury, Ontario P3E 1R6.
- have a BSc. (1958) and a MSc. (1960) from the University of Alberta (both in Geology).
- have a PhD. (1965) in Geology from the University of Missouri.
- have no interest in the Earngey Township property of St. Jude Resources Limited.
- have carried out exploration programs on the property.

Robert Kenneth Germundson

January 12, 1995

Northing	Easting	Elev.	Depth	Polygon Hole No.	Gold oz/ton	Width True	Tons	Total oz/Au	Value $/ton	Total $
2,056.6'	1,974.6'	4,997.5'	1,336'	I 93JR-01	1.639	3.7'	1,698.8	2,781.1	819.50	$1,390,544
2,079.5'	2,118.6'	5,003.3'	96'	93JR-02	0.141	1.5'				
2,079.5'	2,116.7'	5,003.3'	166'	93JR-03	0.044	1.5'				
2,079.5'	2,115.3'	5,003.3'	226'	H 93JR-04	1.800	3.7'	1,859.3	3,346.7	900.00	$1,673,325
2,130.5'	2,115.7'	5,007.2'	206'	D 93JR-05	0.050	*3.0'	1,030.8	51.5	25.00	$ 25,770
2,131.4'	2,113.1'	5,007.2	96'	93JR-06	0.057	1.1'				
2,181.8'	2,133.1'	5,005.0'	115'	A 93JR-07	0.070	*3.0'	701.4	49.1	35.00	$ 24,549
2,181.8'	2,130.8'	5,005.0'	186'	B 93JR-08	0.050	*3.0'	1,329.0	66.5	25.00	$ 33,225
2,228.0'	2,154.6'	5,001.5'	96'	93JR-09	0.065	3.0'				
2,228.0'	2,154.4'	5,001.5'	201'	C 93JR-10	0.161	*3.0'	1,193.4	192.1	80.50	$ 96,069
2,149.6'	2,005.1'	4,995.5'	366'	L 93JR-11	0.880	3.0'	705.3	620.7	440.00	$ 310,332
2,244.6'	2,008.0'	4,993.7'	541'	93JR-12	0.567	1.7'				
2,338.4'	1,923.5'	4,992.9'	816'	93JR-13	0.030	2.1'				
1,992.1'	1,995.6'	4,998.1	265'	93JR-14	0.093	1.3'				
1,992.2'	1,953.8'	4,998.1	376'	93JR-15	Tr.		South block			
1,872.9'	1,983.9'	4,999.0'	206'	93JR-16	0.002	1.0'	South block			
1,871.9'	1,981.7'	4,999.0'	306'	93JR-17	0.004	0.4'	South block			
2,056.0'	1,924.0'	4,997.5'	396'	93JR-18						
2,056.0'	1,922.0'	4,997.5'	436'	93JR-19	0.042	0.7'				
2,056.0'	1,922.0'	4,997.5'	305'	G 93JR-20	0.445	5.2'	718.6	319.8	222.50	$ 159,897
2,106.0'	1,982.0'	4,997.5'	306'	J 93JR-21	0.400	3.1'	640.5	256.2	200.00	$ 128,092
2,206.0'	2,030.0'	4,997.5'	276'	E 93JR-22	1.909	4.3'	1,144.2	2,184.3	954.50	$1,092,167
2,206.0'	2,028.0'	4,997.5'	346'	93JR-23			Hole top short			
2,193.9'	2,026.1'	4,995.0'	356'	O 94-J-24	0.264	*3.0'	1,542.3	407.2	132.00	$ 203,583
2,145.6'	2,040.0'	4,996.9'	266'	F 94-J-25	0.844	*3.0'	449.4	394.1	438.50	$ 197,062
2,145.9'	2,038.1'	4,996.9'	306'	K 94-J-26	3.680	3.7'	358.5	1,465.3	2043.50	$ 732,656
2,312.4'	2,103.0'	4,993.3'	346'	94-J-27	0.067	1.69'				
2,240.6'	2,028.4'	4,995.0'	416'	P 94-J-28	0.838	3.63'	2,545.8	2,133.4	419.00	$1,066,690
2,195.5'	2,027.4'	4,995.0'	406'	*N 94-J-29	0.002	1.55'	1,449.9			
2,196.1'	2,027.4'	4,995.0'	406'	Q 94-J-30	0.604	*3.0	2,620.0	1,582.0	302.00	$ 791,240
2,195.5'	2,026.0'	4,995.0'	306'	M 94-J-31	0.137	*3.0'	1,278.9	175.2	68.50	$ 87,605
2,029.7'	2,029.7'	4,995.0'	506'	94-J-32	0.016	1.34'				
2,340.9'	2,000.0'	4,992.9'	606'	94-J-33	0.007	1.76'				
2,340.9'	2,001.6'		476'	94-J-34			Intersected lamprophyre dyke			
Totals			12,080'				21,263.7	17,068		$8,534,000

Dollar values based upon $500.00 per ounce of gold.
*3.0' - Values adjusted to minimum thickness

[Average grade - 0.80 oz/ton]

* **N** Very low assay in mineralized zone

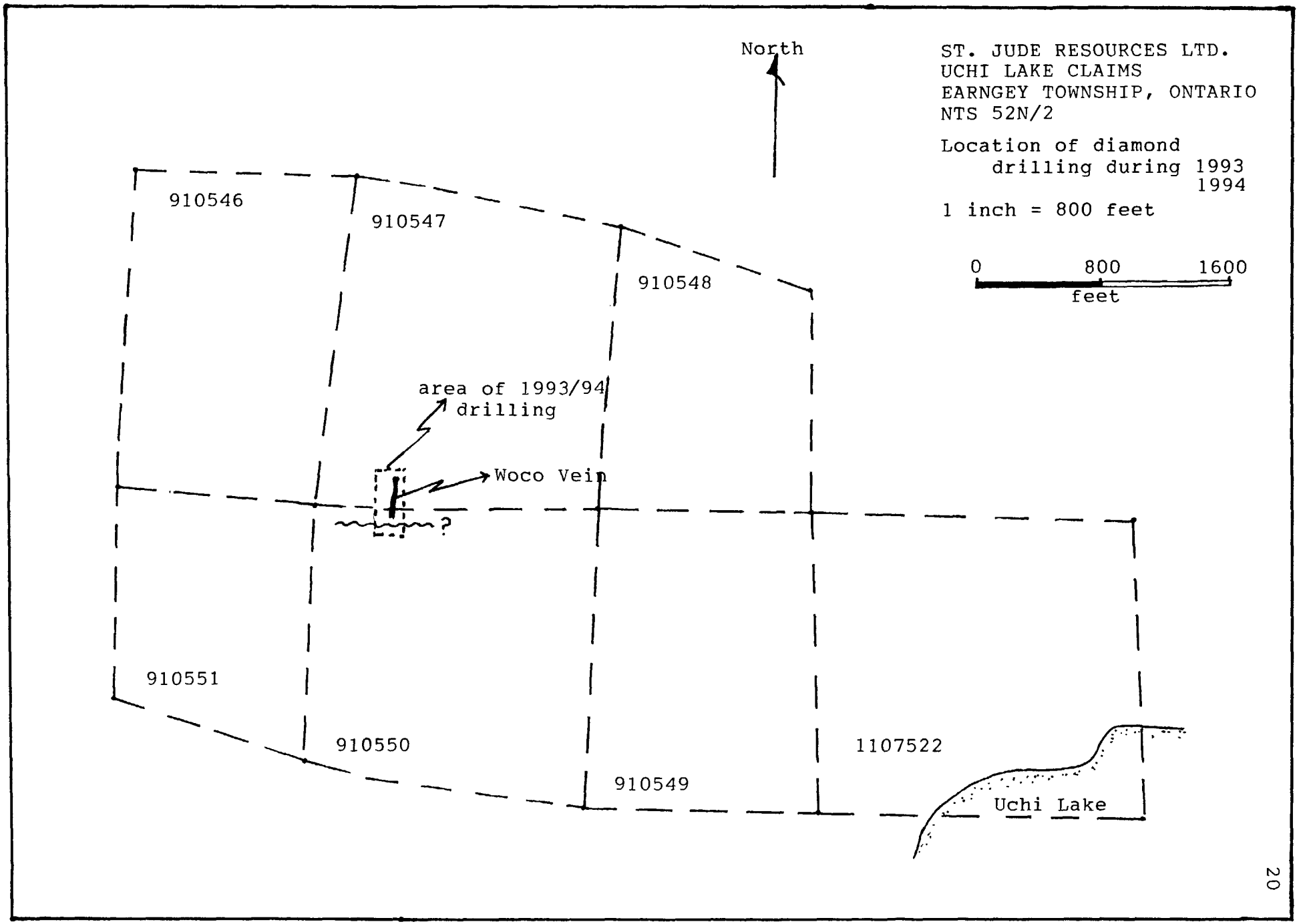
After: Alderman, 1994

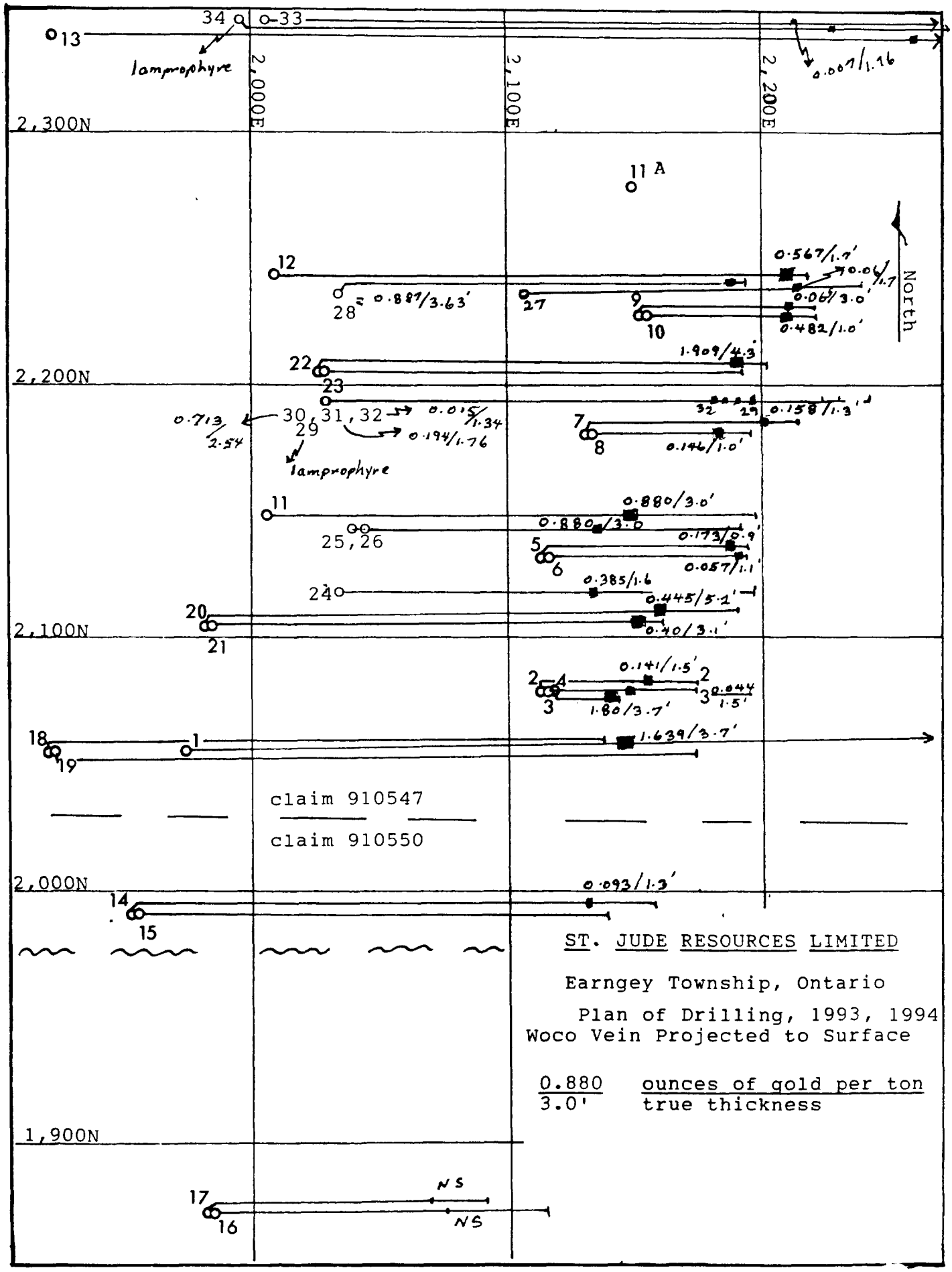
1994 DIAMOND DRILL PROGRAM

Diamond Drill Holes Woco Vein

Hole #	Northing	Easting	Elevation	Dip	Avg. oz/t	Length	True/widt (ft)
94-J-24 (94-J-1)	2193.94	2026.11	4994.99	-58	0.385	356 ft.	1.6
94-J-25 (94-J-2)	2145.61	2040.02	4996.9	-55	0.844	266 ft.	2.24
94-J-26 (94-J-3)	2145.92	2038.13	4996.88	-61	3.680	306 ft	4.23
94-J-27 (94-J-4)	2312.44	2102.99	4993.3	-65	0.067	346 ft.	1.69
94-J-28 (94-J-5)	2240.57	2028.4	4994.99	-63	0.887	416 ft.	3.63
94-J-29 (94-J-6)	2195.48	2027.38	4994.99	-59	0.002	406 ft.	1.55
94-J-30 (94-J-7)	2196.13	2027.38	4994.99	-65	0.713	406 ft.	2.54
94-J-31 (94-J-8)	2195.53	2026.03	4994.99	-54	0.194	306 ft.	1.76
94-J-32 (94-J-9)	2195.42	2029.73	4994.99	-70	0.016	506 ft.	1.34
94-J-33	2340.92	2000.03	4992.9	-53	0.007	606 ft.	1.76

(94-J-10 drill log showed no vein


North
ST. JUDE RESOURCES LTD.
UCHI LAKE CLAIMS
EARNGEY TOWNSHIP, ONTARIO
NTS 52N/2
Location of diamond drilling during 1993 1994
1 inch = 800 feet
0
800
1600
feet
910546
910547
910548
area of 1993/94 drilling
Woco Vein
?
910551
910550
910549
1107522
Uchi Lake



ST. JUDE RESOURCES LIMITED

Earngey Township, Ontario

Plan of Drilling, 1993, 1994
Woco Vein Projected to Surface

0.880 ounces of gold per ton
3.0' true thickness

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO	D.D.H. N°.: 94J1 24
Collar Coordinates: 2193.94 N 2026.11 E		Azimuth: S70E	Dip: -58 / Depth: 356 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: MAY 22, 1994	Finish: MAY 30, 1994 / Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2	N°. of Boxes: 18

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	10.0	Overburden: Muskeg and boulders						
10.0	185.1	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 45° to the core axis.						
185.1	262.2	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
262.2	325.3	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.	14801	323.7	325.3	1.6	0.001	Sheared Dacite
325.3	329.5	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. These fracture often contain chlorite and seem to be the location of the stongest gold mineralization. Galena and chalcopyrite are present in trace amounts. No visible gold was observed. The contacts are parallel at 43o to the core axis. The true width of the vein is calculated to be 2.86'.	14802	325.3	326.3	1.0	0.973	WOCO VEIN
			14803	326.3	327.3	1.0	0.182	WOCO VEIN
			14804	327.3	328.3	1.0	0.001	WOCO VEIN
			14805	328.3	329.5	1.0	0.001	WOCO VEIN
329.5	356.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14806	329.5	331.5	2.0	0.001	Sheared Basalt
356.0		End of Hole						

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-8820

LYNX GOLBAL MINING EXPLORATION
Skead, Ontario
P0M 2Y0

June 17, 1994

Job #944563

Attention: M.J. TERRELL

Sample # Accurassay	Customer		Gold ppb	Gold Oz/t
1	14801		<5	<0.001
2	14802		33347	0.973
3	14803		6238	0.182
4	14804	24	5	<0.001
5	14805	944-1	21	<0.001
6	14806		8	<0.001
7	14807		132	0.004
8	14808		76832	2.241
9	14809		35644	1.040
10	14810	25	1032	0.030
11 Check	14810		2238	0.065
12	14811	944-2	204	0.006
13	14812		33	0.001
14	14813		61584	1.796
15	14814		13366	0.390
16	14815		351683	10.259
17	14816		83168	2.426
18	14817		207129	6.042
19	14818		109307	3.188
20	14819	26	191287	5.580
21 Check	14819	944-3	117624	3.431
22	14820		147	0.004
23	14821		24	<0.001
24	14822		4812	0.140
25	14823	27	1223	0.036
26	14824	944-4	895	0.026
27	14825		14	<0.001
28	14826		6515	0.190
29	14827		132673	3.870
30	14828		40792	1.190
31 Check	14828		51089	1.490
32	14829	28	5941	0.173
33	14830		5010	0.146
34	14831	944-5	1267	0.037

Certified By: Peter Beuls.

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

LYNX GLOBAL MINING & EXPLORATION
Skead, Ontario
P0M 2Y0

June 29, 1994

Job #944599

Attention: JACK TERRELL

Sample # Accurassay	Customer		Gold ppb	Gold Oz/t
1	14832		33	0.001
2	14833		99	0.003
3	14834		114	0.003
4	14835	29	<5	<0.001
5	14836	94J-6	<5	<0.001
6	14837		<5	<0.001
7	14838		<5	<0.001
8	14839		<5	<0.001
9	14840		20139	0.587
10	14841		54455	1.588
11 Check	14841		64752	1.889
12	14842	30	6396	0.187
13	14843		931	0.027
14	14844	94J-7	63	0.002
15	14845		10	<0.001
16	14846		21960	0.641
17	14847	31	1404	0.041
18	14848	94J-8	5	<0.001
19	14849		<5	<0.001
20	14850		1057	0.031
21 Check	14850		707	0.021
22	14851	32	405	0.012
23	14852	94J-9	27	<0.001
24	14853		7	<0.001
25	14854	33	11	<0.001
26	14855	94J-10	701	0.020

Certified By: Barb Sell

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO			D.D.H. N°.: 94J1		
Collar Coordinates: 2193.94 N 2026.11 E			Azimuth: S70E		Dip: -58		Depth: 356 ft.	
Claim N°.: KRL910547		Logged By: D. ALDERMAN	Start: MAY 22, 1994			Finish: MAY 30, 1994		Page 2 of 2

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
		SPERRY SUN SINGLE SHOT TESTS DEPTH INCLINATION DIRECTION 200' -60° S68E 356' -60° S64E						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J2 25
Collar Coordinates: 2145.61 N 2040.62 E		Azimuth: East	Dip: -55	Depth: 266 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: MAY 30, 1994	Finish: JUNE 1, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 14

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	12.0	Overburden: Muskeg and boulders						
12.0	113.7	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 45o to the core axis.						
113.7	144.0	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
144.0	148.1	Lamprophyre Dyke: Fine grained, grey-black mafic intrusive. Occasional coarse feldspar phenocrysts. The contacts are parallel at approximately 53° to the core axis.						
148.1	192.9	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
192.9	242.9	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.	14807	240.4	242.9	2.5	0.004	Sheared Dacite

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO			D.D.H. N°.: 94J2	
Collar Coordinates: 2145.61 N 2040.62 E			Azimuth: East		Dip: -55	Depth: 266 ft.	
Claim N°.: KRL910547		Logged By: D. ALDERMAN	Start: MAY 30, 1994		Finish: JUNE 1, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
242.9	246.2	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. These fracture often contain chlorite and seem to be the location of the stongest gold mineralization. Galena and chalcopyrite are present in trace amounts. No visible gold was observed. The contacts are parallel at 43o to the core axis. The true width of the vein is calculated to be 2.86'.	14808	242.9	243.9	1.0	2.241	WOCO VEIN
			14809	243.9	244.9	1.0	1.040	WOCO VEIN
			14810	244.9	246.2	1.3	0.048	WOCO VEIN
246.2	266.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14811	246.2	248.0	1.8	0.006	Sheared Basalt
266.0		End of Hole						

SPERRY SUN SINGLE SHOT TESTS

DEPTH	INCLINATION	DIRECTION
146	56°	S86E
266	56°	S84E

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J3 26
Collar Coordinates: 2145.61 N 2038.13 E		Azimuth: East	Dip: -61	Depth: 306 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 1, 1994	Finish: JUNE 3, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 16

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	10.0	Overburden: Muskeg and boulders						
10.0	131.2	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 60° to the core axis.						
131.2	218.6	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
218.6	276.3	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.	14812	274.0	276.3	2.3	0.001	Sheared Dacite
			14813	276.3	277.3	1.0	1.796	WOCO VEIN
276.3	283.2	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. These fracture often contain chlorite and seem to be the location of the stongest gold mineralization. Galena and chalcopyrite are present in trace amounts. 93 specks of visible gold were observed and is often associated with galena or chalcopyrite. The contacts are parallel at 58° to the core axis. The true width of the vein is calculated to be 3.7'.	14814	277.3	278.3	1.0	0.390	WOCO VEIN
			14815	278.3	279.3	1.0	10.259	WOCO VEIN
			14816	279.3	280.3	1.0	2.426	WOCO VEIN
			14817	280.3	281.3	1.0	6.042	WOCO VEIN
283.2	306.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14818	281.3	282.3	1.0	3.188	WOCO VEIN
			14819	282.3	283.2	0.9	4.555	WOCO VEIN
306.0		End of Hole						
			14820	283.2	286.0	2.8	0.001	Sheared Basalt

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J3	
Collar Coordinates: 2145.61 N 2038.13 E			Azimuth: East	Dip: -61	Depth: 306 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 1, 1994	Finish: JUNE 3, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
		SPERRY SUN SINGLE SHOT TESTS DEPTH INCLINATION DIRECTION 200' -61.5° S68E 306' -62° S64E						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J4 27
Collar Coordinates: 2312.44 N 2102.99 E		Azimuth: East	Dip: -65	Depth: 346 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 3, 1994	Finish: JUNE 4, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 18

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	14.0	Overburden: Muskeg and boulders						
14.0	86.5	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 60° to the core axis.						
86.5	147.5	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
147.5	177.7	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
177.7	251.4	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
251.4	277.8	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.	14821	275.4	277.8	2.4	0.001	Sheared Dacite

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J4	
Collar Coordinates: 2312.44 N 2102.99 E			Azimuth: East	Dip: -65	Depth: 346 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 3, 1994	Finish: JUNE 4, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
277.8	280.6	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. These fracture often contain chlorite and seem to be the location of the stongest gold mineralization. Arsenopyrite and chalcopyrite are present in trace amounts. 2 specks of visible gold were observed as solitary specks in the quartz. The contacts are parallel at 17° to the core axis. The true width of the vein is calculated to be 0.8'.	14822	277.8	279.0	1.2	0.140	WOCO
			14823	279.0	280.6	1.6	0.036	WOCO
280.6	346.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14824	280.6	282.4	1.8	0.026	Sheared Basalt
346.0		End of Hole						

SPERRY SUN SINGLE SHOT TESTS

DEPTH	INCLINATION	DIRECTION
200'	-65°	S84E
346'	-65°	S83E

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J5 28
Collar Coordinates: 2240.47 N 2028.4 E		Azimuth: East	Dip: -63	Depth: 416 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 5, 1994	Finish: JUNE 7, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 21

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	10.0	Overburden: Muskeg and boulders						
10.0	232.5	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 25° to the core axis.						
232.5	240.5	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
240.5	278.3	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
278.3	296.0	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
296.0	371.8	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J5	
Collar Coordinates: 2240.47 N 2028.4 E			Azimuth: East	Dip: -63	Depth: 416 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 5, 1994	Finish: JUNE 7, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
371.8	383.4	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.	14825	381.3	383.4	2.1	0.001	Sheared Dacite
383.4	389.0	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. These fracture often contain chlorite and seem to be the location of the stongest gold mineralization. Galena and chalcopyrite are present in trace amounts. 4 specks of visible gold were observed as solitary specks in the quartz. The contacts are parallel at 22° to the core axis. The true width of the vein is calculated to be 2.0'.	14826	383.4	384.7	1.3	0.190	WOCO VEIN
			14827	384.7	386.0	1.3	3.870	WOCO VEIN
			14828	386.0	387.0	1.0	1.340	WOCO VEIN
			14829	387.0	388.0	1.0	0.173	WOCO VEIN
389.0	416.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14830	388.0	389.0	1.0	0.146	WOCO VEIN
416.0		End of Hole	14831	389.0	391.0	2.0	0.037	Sheared Basalt

SPERRY SUN SINGLE SHOT TESTS

DEPTH	INCLINATION	DIRECTION
200'	-63°	S68E
346'	-64°	S64E

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J6 29
Collar Coordinates: 2195.48 N 2027.38 E		Azimuth: East	Dip: -59	Depth: 406 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 7, 1994	Finish: JUNE 9, 1994	Page 1 of 3
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 3		N°. of Boxes: 21

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	10.0	Overburden: Muskeg and boulders						
10.0	191.2	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 25° to the core axis.						
191.2	239.0	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
239.0	242.0	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
242.0	245.5	Basalt - Spherulitic pillow lava: As above.						
245.5	247.5	Dacite: As above.						
247.5	281.0	Basalt - Spherulitic pillow lava: As above.						
281.0	285.0	Dacite: As above.						
285.0	288.3	Basalt - Spherulitic pillow lava: As above.						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J6	
Collar Coordinates: 2195.48 N 2027.38 E			Azimuth: East	Dip: -59	Depth: 406 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 7, 1994	Finish: JUNE 9, 1994	Page 2 of 3	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
288.3	298.5	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.						
298.5	315.0	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
315.0	323.8	Dacite: As above.	14832	322.0	323.8	1.8	0.001	Sheared Dacite
323.8	326.1	Breccia Zone: Strongly sheared zone comprised of quartz stringers (5%) with sheared dacite (50%) and sheared basalt (45%).	14833	323.8	324.9	1.1	0.003	Breccia Zone
			14834	324.9	326.1	1.2	0.003	Breccia Zone
326.1	326.6	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. Galena are present in trace amounts. No visible gold was observed. The upper contact is irregular at 80° to the core axis. The lower contact is sharp at 45° to the core axis.	14835	326.1	326.6	0.5	0.001	WOCO VEIN
326.6	332.4	Lamprophyre Dyke: Fine grained, dark grey mafic intrusive.						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J6	
Collar Coordinates: 2195.48 N 2027.38 E			Azimuth: East	Dip: -59	Depth: 406 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 7, 1994	Finish: JUNE 9, 1994	Page 3 of 3	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
332.4	360.8	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14836	332.4	333.5	1.1	0.001	Sheared Basalt
360.8	361.8	Lamprophyre Dyke: Fine grained, dark grey mafic intrusive. Occasional 1 mm angular feldspar phenocrysts throughout.						
361.8	416.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.						
406.0		End of Hole						
		SPERRY SUN SINGLE SHOT TESTS						
		DEPTH INCLINATION DIRECTION						
		200' -59° N84E						
		406' -59° N87E						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J7 30
Collar Coordinates: 2196.13 N 2027.38 E		Azimuth: East	Dip: -65	Depth: 406 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 10, 1994	Finish: JUNE 12, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 21

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	10.0	Overburden: Muskeg and boulders						
10.0	224.5	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 45o to the core axis. 213.8 - 216.0 Quartz Stringer with minor pyrite 218.5 - 219.8 Quartz Stringer with minor pyrite	14837 14838	213.8 218.5	216.0 219.8	2.2 1.3	0.001 0.001	Quartz Vein Quartz Vein
224.5	334.0	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
334.0	376.4	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.	14839	374.2	376.4	2.2	0.001	Sheared Dacite
376.4	380.0	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. These fracture often contain chlorite and seem to be the location of the stongest gold mineralization. Galena and chalcopyrite are present in trace amounts. 16 specks of visible gold were observed. The contacts are parallel at 33° to the core axis. The lower contact is mildly brecciated. The true width of the vein is calculated to be 1.96'.	14840 14841 14842 14843	376.4 377.3 378.2 379.1	377.3 378.2 379.1 380.0	0.9 0.9 0.9 0.9	0.587 1.739 0.187 0.027	WOCO VEIN WOCO VEIN WOCO VEIN WOCO VEIN
380.0	406.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14844	380.0	382.0	2.0	0.002	Sheared Basalt
406.0		End of Hole						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J7	
Collar Coordinates: 2196.13 N 2027.38 E			Azimuth: East	Dip: -65	Depth: 406 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 10, 1994	Finish: JUNE 12, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
		SPERRY SUN SINGLE SHOT TESTS DEPTH INCLINATION DIRECTION 200' -64° N84E 406' -64.5° N89E						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J8 31
Collar Coordinates: 2195.53 N 2026.03 E		Azimuth: East	Dip: -54	Depth: 306 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 12, 1994	Finish: JUNE 14, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 16

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	10.0	Overburden: Muskeg and boulders						
10.0	111.5	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 25° to the core axis.						
111.5	115.3	Lamprophyre Dyke: Dark grey, fine grained mafic intrusive. Angular feldspar phenocrysts throughout. Contacts parallel at 52° to the core axis.						
115.3	166.2	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 25° to the core axis.						
166.2	246.8	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
246.8	262.0	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
262.0	277.4	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J8	
Collar Coordinates: 2195.53 N 2026.03 E			Azimuth: East	Dip: -54	Depth: 306 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 12, 1994	Finish: JUNE 14, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
277.4	289.8	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.	14845	287.8	289.8	2.0	0.001	Sheared Dacite
289.8	291.3	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. These fracture often contain chlorite and seem to be the location of the stongest gold mineralization. Galena and chalcopyrite are present in trace amounts. 8 specks of visible gold were observed usually associated with galena or chalcopyrite. The contacts are parallel at 44° to the core axis. The true width of the vein is calculated to be 1.0'.	14846	289.8	290.9	1.1	0.541	WOCO VEIN
		290.9 - 291.3 15% quartz stringers with sheared basalt.	14847	290.9	291.3	0.4	0.041	WOCO STRINGER
291.3	306.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14848	291.3	293.3	2.0	0.001	Sheared Basalt
306.0		End of Hole						

SPERRY SUN SINGLE SHOT TESTS

DEPTH	INCLINATION	DIRECTION
200'	-54°	N82E
306'	-54.5°	N85E

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J9 32
Collar Coordinates: 2195.42 N 2029.73 E		Azimuth: East	Dip: -70	Depth: 506 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 14, 1994	Finish: JUNE 16, 1994	Page 1 of 3
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 26

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	11.0	Overburden: Muskeg and boulders						
11.0	265.0	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 25° to the core axis.						
265.0	342.4	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
342.4	356.5	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
356.5	360.2	Lamprophyre Dyke: Fine grained, dark grey mafic intrusive. Occasional 1 mm angular feldspar phenocrysts throughout. Contacts are parallel at 60° to the core axis.						
360.2	429.2	Basalt - Spherulitic pillow lava: As above.						
429.2	430.6	Lamprophyre Dyke: Fine grained, dark grey mafic intrusive. Occasional 1 mm angular feldspar phenocrysts throughout. Contacts are parallel at 55° to the core axis.						
430.6	439.9	Basalt - Spherulitic pillow lava: As above.						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J9	
Collar Coordinates: 2195.42 N 2029.73 E			Azimuth: East	Dip: -70	Depth: 506 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 14, 1994	Finish: JUNE 16, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
439.9	460.2	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization. The unit is sheared over the last 6 or 7 feet.						
460.2	464.5	Lamprophyre Dyke: Fine grained, dark grey mafic intrusive. Contacts are parallel at 35° to the core axis.						
464.5	482.0	Dacite: As above.	14849	480.0	482.0	2.0	0.001	Sheared Dacite
482.0	483.9	White Quartz Vein (WOCO VEIN): White - transluscent quartz. Fine hairline fractures occur throughout the quartz vein. Galena is present in trace amounts. One speck of visible gold was observed along a chlorite filled fracture. The contacts are parallel at 30° to the core axis.	14850	482.0	483.0	1.0	0.026	WOCO VEIN
			14851	483.0	483.7	0.7	0.012	WOCO VEIN
483.9	506.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.	14852	483.7	485.9	2.2	0.001	Sheared Basalt
506.0		End of Hole						
		SPERRY SUN SINGLE SHOT TESTS						

DEPTH	INCLINATION	DIRECTION
200'	-70.5°	N82E
506'	-70.5°	N89E

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO	D.D.H. N°.: 94J10 33	
Collar Coordinates: 2340.92 N 2000.03 E		Azimuth: East	Dip: -62	Depth: 606 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 15, 1994	Finish: JUNE 18, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2	N°. of Boxes: 31	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	10.0	Overburden: Muskeg and boulders						
10.0	314.0	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 25° to the core axis.						
314.0	317.0	Sheared Basalt Zone: Strongly foliated basalt. Foliation at 17° to the core axis.						
317.0	370.6	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
370.6	395.0	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
395.0	446.0	Basalt - Spherulitic pillow lava: As above.						
446.0	462.5	Dacite: As above.						
462.5	466.5	Lamprophyre Dyke: Fine grained, dark grey mafic intrusive. Rare 1 mm angular feldspar phenocrysts throughout. Contacts are parallel at 55° to the core axis.						
		464.2 - 465.1 White Bull Quartz Vein	14853	464.2	465.1	0.9	0.001	Quartz Vein

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J10	
Collar Coordinates: 2340.92 N 2000.03 E			Azimuth: East	Dip: -62	Depth: 606 ft.	
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 15, 1994	Finish: JUNE 18, 1994	Page 2 of 2	

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
466.5	496.1	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
496.1	522.0	Shear Zone: Strongly foliated at 24° to the core axis. Composed of basalt(45%), dacite(45%) and quartz(10%). Trace pyrite along partings.	14854	506.0	507.5	1.5	0.001	Sheared Zone
			14855	507.5	508.5	1.0	0.020	Sheared Zone
522.0	576.0	Dacite: As above.						
576.0	606.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.						
606.0		End of Hole						
		SPERRY SUN SINGLE SHOT TESTS						

DEPTH	INCLINATION	DIRECTION
200'	-63°	N82E
400'	-63°	N84E
606'	-63°	N87E

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP		Anomaly: WOCO		D.D.H. N°.: 94J11 34
Collar Coordinates: 2340.93 N 2001.62 E		Azimuth: East	Dip: -53	Depth: 476 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN	Start: JUNE 18, 1994	Finish: JUNE 21, 1994	Page 1 of 2
Drilled By: KENORA SOIL & DRILLING	Core Size: BQ	Corrected Dip Test: SEE PAGE 2		N°. of Boxes: 24

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
0.0	8.0	Overburden: Muskeg and boulders						
8.0	232.9	Basalt: Dark grey-green, medium grained, equigranular basalt flow. Leucoxene found occasionally throughout the unit. Occasional quartz stringers thoroughout, typically at 25° to the core axis.						
232.9	276.3	Basalt - Spherulitic pillow lava: Fine grained, light grey-green basalt matrix with coarse (1-15 mm.) lathlike amphibole pseudo-phenocrysts. Light buff colored pillow rims are common throughout.						
276.3	288.3	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
288.3	339.5	Basalt - Spherulitic pillow lava: As above.						
339.5	363.4	Dacite: As above.						
363.4	369.3	Basalt - Spherulitic pillow lava: As above.						
369.3	425.5	Dacite: As above, with a weakly foliated zone 415 - 425.5. Foliation at 35° to the core axis.						

ST JUDE RESOURCES LIMITED

Property: EARNGEY TOWNSHIP			Anomaly: WOCO		D.D.H. N°.: 94J11
Collar Coordinates: 2340.93 N 2001.62 E			Azimuth: East	Dip: -53	Depth: 476 ft.
Claim N°.: KRL910547	Logged By: D. ALDERMAN		Start: JUNE 18, 1994	Finish: JUNE 21, 1994	Page 2 of 2

Footage		GEOLOGY	Sample				Assays	
From	To		N°.	From	To	Length	Au	NOTES
425.5	427.9	Lamprophyre Dyke: Dark grey, fine grained mafic intrusive. Contacts are sharp and parallel at 30° to the core axis.						
427.9	431.7	Dacite: Light grey, fine grained dacite. Mildly tuffaceous in portions. Occasional zones are webbed with irregular dark grey hairline fractures (annealed). Later non-annealed fractures are often subject to strong sericitization.						
431.7	476.0	Basalt: Fine grained, green basalt. Strongly sheared at upper contact.						
476.0		End of Hole						
		SPERRY SUN SINGLE SHOT TESTS DEPTH INCLINATION DIRECTION 200' -53° N85E 406' -52° N89E						

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

FEET. GEOLOGY HOLE NO. JR93-1 SHEET NO. 1

LATITUDE 2,056.59 N DATUM CLAIM 910547 (S-W) STARTED MAR 6, 1993

DEPARTURE 1,974.6 E BEARING DUE EAST. COMPLETED MAR 18, 1993

ELEVATION 4,997.5 COLLAR 200' 476' 606' 800' 1006' 1186' 1336'
DIP -55° -50° -45° -41° -38° -35° -33° -33° ULTIMATE DEPTH 1,336.0

DEPTH FEET	FORMATION	FORMATION
0-11.0	CASING - OVERBURDEN, MUSKEG, DETRITAL GRAVELS BOULDERS	
11.0-268.4	BASALT - SPHERULITIC PILLOW LAVA - LIGHT GREENISH, FINE GRAINED, SOME PORTIONS CARRY LIGHT COLORED SPHERULITIC PILLOW RIMS OTHER PORTIONS CARRY DARK LATH-LIKE AGGREGATIONS OF AMPHIBOLE-BIOTITE THAT ARE PSEUDO PHENOCRYSTS (1-5 mm LENGTH)	
268.4-281.5	DACITE - LIGHT GREYISH, FINE GRAINED, SOME TUFFACEOUS SECTIONS, SLIGHTLY BLOCKY, SERICITIZED ALONG FRACTURES.	
281.5-286.75	WHITE QUARTZ VEIN - "WOCO" VEIN WHITE QUARTZ VEIN, FINE HAIRLINE FRACTURES OCCUR PARALLEL TO VEIN FOOTWALL. THESE HAIRLINE FRACTURES ARE STRINED WITH GRASS GREEN CHLORITE AND ARE MORE NUMEROUS NEARER THE VEIN FOOTWALL. FINE SCATTERED SPECKS OF V.G. OCCUR MORE CONCENTRATED NEAR THE VEIN FOOTWALL. SPECKS OF GALENA ARE MOST COMMON IN AREAS OF V.G. AT 283.0 a 1/4" FRACTURE OF MASSIVE PYRITE (MARCASITE) CARRYING V.G. AND A TRACE OF CHALCOPYRITE, TRACE OF FUCSHITE.	

BQ CORE SIZE

DRILLED BY KENORA SOIL + DRILLING

SIGNED CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO JR-93-1 SHEET NO. 2

LATTITUDE ____ DATUM ____ STARTED ____

DEPARTURE ____ BEARING ____ COMPLETED ____

ELEVATION ____ DIP ____ ULTIMATE DEPTH ____

DEPTH FEET	FORMATION	FORMATION
286.75-440.5	BASALT - PILLOWED LAVA	
	FINE GRAINED, DARK GREY AND GREEN, WITH PILLOW SELVAGES (RIMS) EVIDENT. THIS ROCK IS LESS FRACTURED AND SHEARED, THE FEW FRACTURES HAVE EPIDOTE-CARB-SERICITE ALTERATION. SOME PYRRHOTITE (1%) AND MINOR PYRITE OCCURS THROUGHOUT BUT ESPECIALLY ALONG PILLOW RIMS.	
	THE FOOTWALL OF THE NOCO VEIN HAS SHEARED PILLOW LAVA FROM 286.75 - 290.0.	
	312.5 - 313.5 INTENSE SERICITIZATION	
	324.75 - 325.9 STRONG EPIDOTE-SERICITE ALTERATION, ALONG CORE	
	332.0 - 333.0 CARBONATE WEDGES (1-2mm) IRON RICH, REDDISH, TO MAGNESITE	
	337.0 - 338.0 CONTORTED CARB VEINLETS, STRONG EPIDOTE-SERICITE ALT'N	
	362.3 - 363.9 MAFIC DYKE, CONTACTS @ 45° TO CORE AXIS, MED GRAINED	
	435.3 - 440.5 ALTERATION ZONE, CONTORTED VEINLETS AND BLEBS	
	STRONGLY FOLIATED @ 30° TO CORE AXIS	
440.5 - 979.2	GABBRO — MED. GRAINED LIGHT-"EPIDOTIC"-GREENISH FLECKED WITH WHITEISH LEUCOXENE; GRADATIONAL CONTACT BECOMES FINER GRAINED TOWARDS 979.2 WHERE A SHARP CONTACT RUNS @ 30° TO CORE AXIS	
	901.0 - 903.0 GREY LAMP. DYKE, CONTACTS @ 50° TO CORE AXIS.	

DRILLED BY ____

SIGNED CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO. JR-93-1 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
979.2-991.4	DACITE	FINE GRAINED, SILICIOUS GREY, WITH A FEW NARROW CHERTY BANDS. (NOTE: THIS IS SIMILAR TO THE DACITE HANGING WALL ROCK OF THE WOCO VEIN AND MAY ALSO REPRESENT THE HANGINGWALL ROCK OF THE UCHI BREAK.)
991.4-995.7	GABBRO-BASALT.	A GREENISH MED-GRAINED HIGHLY ALTERED ROCK WITH PATCHES OF MINOR QTZ-CARB, CARBONATE, BIOTITE, AMPHIBOLES,
995.7-1098.5	COARSE-GABBRO DYKE INTRUSION:	THIS COARSE GRAINED GABBRO INTRUSION, IS EQUIGRANULAR, FRESH LOOKING, WITH AMPHIBOLE CRYSTALS UP TO 1CM DIAM., @ 995.7 THE CHILLED CONTACT IS AT 30° TO THE CORE AXIS AT 1098.5 THE GABBRO CONTACT IS CONFORMABLE WITH THE BANDED TUFF @ 60° TO THE CORE AXIS NOTE (THIS IS A WEDGE SHAPED INTRUSION WHOSE ORIENTATION CANNOT BE DETERMINED FROM THIS DRILL HOLE, BUT IT WAS HIT AT THE EXACT LOCATION OF THE PROJECTED UCHI BREAK. THE PRESENCE OF DACITE SUPPORTS THE EVIDENCE THAT THE DRILL HOLE HIT GABBRO AT THE CRITICAL LOCATION OF THE UCHI BREAK
1098.5-1157.5	TUFF-ANDESITIC TO DACITIC	GREYISH TO GREENISH WITH NARROW CHERTY BEDS. BEDDING OF VOLCANIC TUFFS IS AT 60° TO CORE AXIS

DRILLED BY _____

SIGNED CHESTER J. KULYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO. JR93-1 SHEET NO. 4.

LATTITUDE ____ DATUM ____ STARTED ____

DEPARTURE ____ BEARING ____ COMPLETED ____

ELEVATION ____ DIP ____ ULTIMATE DEPTH ____

DEPTH FEET	FORMATION	FORMATION
1157.5-1160.6	AGGLOMERATE - ANDESITIC, ROUNDED GREENISH-GREY CLASTS UP TO 2 CMS DIAMETER.	
1160.6-1183.9	AGGLOMERATE - TUFF, ANDESITIC, GREENISH-GREY. A FEW FINELY BEDDED SECTIONS @ 65° TO CORE AXIS.	
1183.9-1188.2	CHERTY TUFF - STRONGLY BANDED @ 65° TO C/A. 1-2% Py+ Po.	
1188.2-1218.1	TUFF - LARGELY ANDESITIC, BEDDING @ 62° TO CORE-AXIS @ 1213-1215 THE TUFF IS DARK GREYISH AND MAY CONTAIN CARBONACEOUS MATERIAL, 3% Po, 1% Py.	
1218.1-1224.5	TUFF - RHYOLITE TO DACITE - STRONGLY BANDED AND ALSO SHEARED ALONG BANDING (BEDDING) ABOUT 1CM BEDS OF RHYOLITE-SERICITE THAT IS BUFF COLORED INTERLAYERED WITH GREYISH ANDESITIC BEDS. BEDDING @ 65° TO CORE AXIS. (TRUE DIP 82°-W-?)	
1224.5-1230.2	TUFF - ANDESITIC; GREYISH - FINELY BANDED @ 65° TO C/A.	
1230.2-1243.3	TUFF - RHYOLITE TO DACITE, STRONGLY SERICITIZED @ (1230.2 - 1234.2) STRONGLY SHEARED AND MINERALIZED. 3-8% Po, 1-3% Py, RARE CHALCO.	

DRILLED BY ____

SIGNED CHESTER J. RUBYLOW, M.Sc., P.ENG.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY HOLE NO. JR 93-1 SHEET NO. 5

LATTITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
1243.3-1248.0	TUFF - ANDESITIC, WITH INTERBEDDED FINE CARBONACEOUS BLACK SEDIMENT 2-5% PYRRHOTITE. NOTE: THIS BLACK SEDIMENT HORIZON IS A GOOD MARKER, BUT NOT SUFFICIENTLY RICH IN CARBON TO BE PICKED UP AS A SIGNIFICANT ELECTROMAGNETIC CONDUCTOR. BEDDING @ 65° TO CORE AXIS.	
1248.0- -1325.0	AGGLOMERATE - ANDESITIC, GREYISH SECTIONS HAVE EASILY RECOGNIZABLE ROUNDED FRAGMENTS.	
1325-1336.0	BASALT - MASSIVE FLOW - (OR UNBANDED, BASIC TUFF), DARK GREENISH FINE GRAINED.	
	1336.0 END OF HOLE	
	69 BOXES STORED IN RACKS AT UCHI DRILL SITE.	

DRILLED BY _____

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO JR93-1 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	STRONGLY ALTERED ANDESITE, WITH LARGE BIOTITE FLECKS, PARTLY SILICIFIED.	14901	186.0	189.25	3.25	NIL	
	ANDESITE, INTENSELY SILICIFIED, MINOR SERICITE	14902	189.25	192.6	3.35	Tr	
	QUARTZ VEIN, WHITE, MINOR CHLORITE, Tr. PYRITE.	14903	192.6	194.5	1.90	NIL	
	BRECCIA, 60% QUARTZ AS SILICIFICATION, IN ANDESITE.	14904	194.5	197.5	3.00	0.002	
	BRECCIA 40% QUARTZ, AS ABOVE.	14905	197.5	199.5	2.00	Tr	
	BRECCIA 10% QUARTZ, AS ABOVE	14906	199.5	201.5	2.00	Tr	
	ANDESITE, STRONGLY SERICITIZED, QTZ. STRS, Tr PYRITE	14907	201.5	203.5	2.00	Tr	
	ANDESITE, SIL'D, 15% SERICITIZED IN SECTIONS	14908	203.5	205.8	2.30	Tr	
	ANDESITE, SIL'D, 20% " " "	14909	205.8	208.0	2.20	Tr	
	ANDESITE, SIL'D, 10% " " "	14910	208.0	210.0	2.00	0.002	
	ANDESITE, SIL'D WITH BIOTITE FLECKS	14911	210.0	213.0	3.00	0.003	

DRILLED BY _____

SIGNED C.J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR-93-1 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	OZS AG.
	DACITE, ALTERED, SERICITIZED STRINGERS.	14912	266.7	268.4	1.70	Tr	
	DACITE, SILICIFIED AND FOLIATED.	14913	278.25	281.50	3.25	0.065	
WOCO. VEIN-281.5	WHITE QUARTZ VEIN, HAIR LINE FRACTURES IN VEIN,	14914	281.50	284.0	2.50	2.914	V.G. .055 Ag
-286.75	PARALLEL TO FOOTWALL, PEPPERED WITH FINE V.G. GALENA Tr. PYRITE Tr. CHALCO Tr.						1.634
(5.25)	WHITE QUARTZ VEIN HAIRLINE FRACTURES IN VEIN,	14915	284.0	286.75	2.75	1.137	5.23 V.G. .032
	PEPPERED WITH FINE. V.G. NEAR FRACTURES, ALSO GALENA SPECKS PYRITE & CHALCO TRACE. A 1/4" STRIPE OF MARCASITE						
	ANDESITE, SILICIFIED, PARTLY SHEARED.	14916	286.75	289.75	3.00	0.037	
	QUARTZ VEIN, GLASSY, CHLORITE AT MARGINS.	14917	77.5	77.9	0.4	Tr	
	ANDESITE, WITH IRREGULAR QUARTZ STRINGERS (15%)	14918	435.3	438.1	2.8	Tr	
	ANDESITE, SIL'D, IRREGULAR QTZ. STRINGERS (40%)	14919	439.5	440.25	0.75	0.003	
	QUARTZ VEIN, GLASSY, CHLORITE AT MARGINS.	14920	533.2	534.0	0.80	0.007	
	QUARTZ VEIN, WHITE, BARREN	14921	705.5	705.8	0.30	0.006	
	QUARTZ VEIN, WHITE, BARREN	14922	738.0	738.75	0.75	Tr	

DRILLED BY _____

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST
SIGNED C. J. Kuryliw

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR 93-1 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	QUARTZ VEIN, TOURMALINE, TRACE CHALCO, + PYRITE	14923	759.3	760.2	0.90	Tr	
	ANDESITE, SLIGHTLY SIL'D + SERICITIZED 5% Po, Tr CHALCO	14924	820.5	823.0	2.5	Tr	
	ANDESITIC, " " " 3% Po	14925	823.0	826.0	3.00	Tr	
	ANDESITE, " " " 3% Po	14926	826.0	829.0	3.0	Tr	
	ANDESITE, " " " 3% Po	14927	829.0	831.7	2.7	Tr	
	QUARTZ VEIN, WHITE, MINOR CHLORITE ON MARGINS	14928	886.0	886.5	0.5	Tr	
	SERICITIZED, 4" WHITE QTZ. VEINLET.	14929	981.5	982.7	1.2	Tr	
	FRACTURED, MINOR QTZ. STRINGERS CARB/BIOT/CHLOR	14930	990.4	991.4	1.0	Tr	
	STRONGLY SERITIZED. TUFFS	14931	1230.25	1233.25	3.0	Tr	
	TUFFS, QUARTZ-CHLORITE-SERICITE, 3% Po	14932	1233.25	1236.0	2.75	Tr	

DRILLED BY _____

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR-93-1 SHEET NO. 4

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	TUFFS, CHLORITE-SERICITE, QTZ, 3% Po.	14933	1236.0	1239.0	3.0	Tr	
	TUFFS, CHLOR-SERICITE-QTZ 3% Po.	14934	1239.0	1242.5	3.5	Tr	
	TUFFS, CHLORITE-SERICITE-QTZ. 3% Po, 3" OF 20% Pg	14935	1283.0	1286.0	3.0	Tr.	
	DACITE, FRACTURED WITH 5% QTZ. STRS.	14972	983.4	985.2	1.6	Tr	

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CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

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GEOLOGY

HOLE NO. JR-93-2 SHEET NO. 1

FEET.

LATITUDE 2,079.53 N — DATUM CLAIM 910547 (S.W) — STARTED MAR. 18, 1993

DEPARTURE 2,118.6 E — BEARING DUE EAST. — COMPLETED MAR. 19, 1993

ELEVATION 5,003.3 — DIP -45° — ULTIMATE DEPTH 96'.0

DEPTH FEET	FORMATION	FORMATION
0-11.0	CASING, IN OVERBURDEN, MUSKEG, GRAVEL & BOULDERS	
11.0-43.5	BASALT — SPHERULITIC PILLOW LAVA. LIGHT GREY-GREEN, FINE TO MED. GRAINED, LATH-LIKE FLECKS OF AMPHIBOLE—BIOTITE, A FEW LIGHT COLORED SPHERULITIC PILLOW RIMS.	
43.5-65.6	DACITE — FINE GRAINED, GREYISH, FRACTURED WITH SOME QTZ-STR. FILLED FRACTURES, MORE INTENSELY FRACTURED FROM 60'.6-65'.6 (NEXT TO Q. VEIN) WITH 10% QTZ-STRS.	
65.6-67.7	QUARTZ VEIN, WHITE, "WOCO" VEIN SHARP CONTACTS @ 55° TO CORE AXIS, BIOTITE AND CHLORITE WITH MINOR CARBONATE AT CONTACTS TRACE PYRITE, RARE GALENA. (NO. V.G.)	
67.7-96.0	BASALT. — PILLOWED FLOWS, FINE GRAINED, GREENISH, MINOR PYRRHOTITE FROM 67.7-72.0 STRONG FOLIATION, (SHEARING) @ 50° TO CORE AXIS NEAR PARALLEL TO FOOTWALL OF WOCO VEIN, DECREASES TO 45° TO CORE AXIS FURTHER DOWN THE HOLE.	
	96.0 END OF HOLE, CORE STORED IN RACKS AT DRILL SITE.	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL & DRILLING.

SIGNED C.J. Kurylliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR-93-2 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
	DACITE, 5% IRREGULAR QTZ STRS.	14936	60.6	63.0	2.4	0.002
	DACITE, 10% IRREGULAR QTZ STRS.	14937	63.0	65.6	2.6	0.061
WDCO VEIN 65.6 - 67.7 (2.1)	WDCO VEIN, WHITE QUARTZ, Tr PYRITE, CHLORITE.	14938	65.6	67.7	2.1	0.141
	BASALT, STRONGLY FOLIATED, MINOR QTZ-CARB STRS	14939	67.7	71.0	3.3	0.004

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CHESTER J. KURYLUK, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

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GEOLOGY

HOLE NO. JR-93-3 SHEET NO. 1

IN FEET

LATTITUDE 2,079.53 N — DATUM CLAIM 910547 (S-W) — STARTED MAR 19, 1993

DEPARTURE 2,116.7 E — BEARING DUE EAST. — COMPLETED MAR 20, 1993

ELEVATION 5,003.3 — DIP -65° — ULTIMATE DEPTH 166'

DEPTH FEET	FORMATION	FORMATION
0-6.0	CASING, IN OVERBURDEN. MUSKEG, DETRITUS,	
6.0 – 90.5	BASALT.- SPHERULITIC PILLOW LAVA. FINE TO MED. GRAINED, LIGHT GREY GREEN, WITH LATH LIKE FLECKS OF AMPHIBOLE-BIOTITE A FEW SPHERULITIC, LIGHTER COLORED PILLOW RIMS. (16-17) YELLOW GREEN, CARBONATE-SERICITE-EPIDOTE ALTERATION (70.6-71.25) YELLOW GREY, CARBONATE-SERICITIZED ALTERATION	
90.5-99.25	DACITE LIGHT TO DARK GREY. STRONGLY FRACTURED NEAR HANGING-WALL OF WOCO VEIN.	
99.5 - 101.8	"WOCO" WHITE QUARTZ VEIN SHARP CONTACTS @ 40° TO CORE AXIS, SOME IRON STAINING OF FRACTURES IN QUARTZ, TRACES PYRITE AND GALENA.	
101.8 - 166.0	BASALT - PILLOWED LAVA. FINE GRAINED, GREENISH, WITH BIOTITE-RICH PILLOW SELVAGES, SOME RANDOM CONTORTED QTZ-CARB STRS. (@ 101.8 - 106.0) THE BASALT IS STRONGLY FOLIATED NEXT TO FOOTWALL OF WOCO VEIN. MINOR PYRITE & PO. 166.0 END OF HOLE.	

BQ CORE SIZE

DRILLED BY KENORA SOIL & DRILLING

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CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

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SAMPLING

HOLE NO. JR-93-3 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
	DACITE, MINOR PY-PO ALONG PARTINGS	14940	96.0	99.25	3.25	0.001
2.55 WOCO VEIN 99.25 - 101.8	WHITE QUARTZ, WITH MINOR CHLORITE, Tr.-Py	14941	99.25	101.8	2.55	0.044
	BASALT SHEARED, MINOR QTZ-CARB STRS Tr Py	14942	101.8	104.5	2.7	Tr
	BASALT, SHEARED, " " " " Tr. Py	14943	104.5	106.0	1.5	Tr.

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CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

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IN FEET.

GEOLOGY

HOLE NO JR-93-4 SHEET NO. 1

LATTITUDE 2,079.53-N DATUM CLAIM 910547 (S-W) STARTED MAR 20, 1993

DEPARTURE 2,115.3 -E BEARING DUE EAST. COMPLETED MAR 21, 1993

ELEVATION 5,003.3 DIP -79° ULTIMATE DEPTH 226'0

DEPTH FEET	FORMATION	FORMATION
0-4.0	CASING - IN OVERBURDEN.	
4.0-35.0	DACITE - FINE GRAINED, GREYISH, PARTLY FRACTURED WITH SOME SERICITIZATION ALONG FRACTURES. SOME IRON STAINING ALONG FRACTURES.	
35.0-168.0	BASALT:- SPHERULITIC PILLOW LAVA. LIGHT GREY-GREEN WITH LATHLIKE BIOTITE-AMPHIBOLE PHENOCRYSTS OCCASIONAL FRACTURES WITH SOME SERICITIZED.	
	(159.0-162.9) GREY LAMP DYKE, CONTACTS @ 25° TO CORE AXIS.	
168.0-178.4	DACITE - FINE GRAINED, GREYISH, FRACTURED, SERICITIZED ALONG FRACTURES.	
178.4-192.6	BASALT - MASSIVE FLOW (GABBRO SILL?) DARK GREEN EQUIGRANULAR (0.5 MM DIAM) UPPER CONTACT IS GRADATIONAL.	
192.6-202.0	DACITE - LIGHT TO DARK GREY FRACTURED AND PARTLY FOLIATED PARALLEL TO HANGINGWALL OF "WOCO" VEIN.	

B.Q CORE SIZE

DRILLED BY KENORA SOIL & DRILLING.

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CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

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GEOLOGY

HOLE NO. JR-93-4 SHEET NO. 2.

LATTITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH 226.0

DEPTH FEET	FORMATION	FORMATION
202.0-213.9	WHITE QUARTZ VEIN — "WOCO" VEIN	
	UPPER AND LOWER CONTACTS ARE AT 20° TO CORE AXIS. VG. OCCURS THROUGHOUT THE VEIN AS FINE VG. IT IS SPARSE NEAR THE HANGING WALL BUT VG. IS HEAVILY PEPPERED WITH FINE VG. TOWARDS THE FOOTWALL WHERE HAIRLINE FRACTURES BECOME NUMEROUS AND PARALLEL TO THIS FOOTWALL, THE HAIRLINE FRACTURES ARE STAINED WITH GRASS GREEN (CHLORITE?) SPECKS OF GALENA ARE ASSOCIATED WITH AREAS OF VG IN QTZ.	
213.9-226.0	BASALT. - PILLOWED FLOW. GREENISH, FINE GRAINED, FROM 213.9-225.0 THE BASALT IS STRONGLY FOLIATED NEXT TO THE FOOTWALL OF THE WOCO VEIN.	
	226.0 END OF HOLE.	
	CORE STORED IN RACKS AT DRILL SITE.	

DRILLED BY _____

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CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

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SAMPLING

HOLE NO. JR. 93-4 SHEET NO. 1

LATTITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	OZS AG
	DACITE, MINOR QTZ. STRS, TRACE Py.	14944	199.0	202.0	3.0	0.003	
WOCO VEIN.							
	WHITE QUARTZ A SPECK OF V.G. MINOR PY.	14945	202.0	2050	3.0	0.071	0.012
	WHITE QUARTZ SEVERAL FINE SPECKS V.G. MINOR Py.	14946	205.0	208.0	3.0	0.286	
	TRACES OF CHALCO AND GALENA				CHECK	0.274	0027
					AVER.	0.280	
	WHITE QUARTZ SEVERAL FINE SPECKS V.G. MINOR Py	14947	208.0	211.0	3.0	0.332	
	TRACES OF GALENA.				CHECK	0.336	0.035
					AVER.	0.334	
	WHITE QUARTZ SEVERAL HAIRLINE FRACTURES PARALLEL	14948	211.0	213.9	2.9	7.070	0.050
	TO FOOTWALL. SEVERAL DOZEN FINE SPECKS				CHECK.	6.348	
	OF V.G., SPECKS GALENA, CHALCO, PYRITE				AVER.	6.709	
	BASALT, SHEARED, SILICIFIED. IN PART.	14949	213.9	217.0	3.1	0.008	

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CHESTER J. KURTLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

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IN FEET. **GEOLOGY** HOLE NO. JR-93-5 SHEET NO. 1

LATTITUDE 2,130.54-N DATUM CLAIM 910547 (S.W) STARTED MAR 21, 1993

DEPARTURE 2,115.7-E BEARING DUE EAST. COMPLETED MAR 22, 1993

ELEVATION 5,007.2 DIP -70° ULTIMATE DEPTH 206.0

DEPTH FEET	FORMATION	FORMATION
0-3.0	CASING - OVERBURDEN, MUSKEG, GRAVEL, BOULDERS	
3.0-26.0	BASALT - SPHERULITIC PILLOW LAVA. GREY-GREEN, FINE TO MED GRAINED, 1-7 MM FLECKS AND LATHS OF AMPHIBOLE-BIOTITE SOME SERICITIC SHEARING FROM 11'-26'	
26.0-57.8	BASALT - MASSIVE FLOW (INTERFLOW GABBRO SILL?) DARK GREY-GREEN MED. GRAINED (0.5 MM) LOWER CONTACT SHARP, UPPER CONTACT IS GRADATIONAL.	
57.8-108.9	BASALT - SPHERULITIC PILLOW LAVA. (AS ABOVE) FLECKS, ETC	
108.9-152.4	DACITE - LIGHT GREY TO DARK GREY, FINE GRAINED, SOME BANDING? AT 20° TO CORE AXIS (144.0-144.5 WAXY, SERICITIC, "FAULT?")	
152.4-166.6	BASALT - SPHERULITIC PILLOW LAVA (AS ABOVE) FLECKS, ETC	
166.6-177.1	DACITE - AS ABOVE (108.9-152.4) BUT SHEARED SUB PARALLEL TO CORE AXIS	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL & DRILLING.

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

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GEOLOGY

HOLE NO. JR-93-5 SHEET NO. 2.

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH 206.0

DEPTH FEET	FORMATION	FORMATION
177.7-178.9	WHITE QUARTZ VEIN; "WOCO" VEIN WHITE QUARTZ, WITH MINOR CHLORITE AND PYRITE ALONG FRACTURES, RARE GALENA UPPER & LOWER CONTACTS ARE SHARP @ 42° TO CORE AXIS.	
178.9-206.0	BASALT - PILLOWED LAVA FLOW GREEN, FINE GRAINED, WITH MANY IRREGULAR QTZ-CARB STR. STRONGLY SHEARED AT FOOTWALL OF WOCO VEIN FROM 178.9-194.0.	
	206.0 END OF HOLE CORE STORED IN RACKS AT DRILL SITE.	

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CHESTER J. KURYLIW, M.Sc., P.ENG.
CONSULTING GEOLOGIST

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SAMPLING

HOLE NO. JR-93-5 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	DACITE, MINOR QTZ. STRS.	14950	175.0	177.7	2.7	Tr	
WDCD VEIN 177.7-178.9	WHITE QUARTZ, Tr GALENA, MINOR CHLORITE	14951	177.7	178.9	1.2	0.173	
	BASALT, SHEARED, MINOR CHLORITE.	14952	178.9	181.9	3.0	0.018	

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SIGNED C J Kuryliw

CHESTER J. KURYLIW, M.Sc., P.ENG.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

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IN FEET — GEOLOGY — HOLE NO. JR. 93-6 SHEET NO. 1

LATITUDE 2,131.36 - N — DATUM CLAIM 910547 (S-W) — STARTED MAR 22, 1993

DEPARTURE 2,113.1 - E — BEARING DUE EAST. — COMPLETED MAR 22, 1993.

ELEVATION 5,007.2 — DIP -45° — ULTIMATE DEPTH 96.0

DEPTH FEET	FORMATION	FORMATION
0-4.0	CASING - OVERBURDEN	
4.0-20.7	BASALT. - LIGHT GREY GREEN, PARTLY SERICITIZED, FRACTURED.	
20.7-23.5	BASALT - SPHERULITIC PILLOW LAVA.	
23.5-25.9	DACITE. LIGHT GREY GREEN, LATH LIKE PHENOCRYSTS OF AMPHIB-BIOTITE.	
25.9-26.9	BASALT. SPHERULITIC PILLOW LAVA, AS ABOVE, LATHS, ETC	
26.9-31.8	DACITE LIGHT GREY, PARTLY BANDED? @ 50° TO CORE AXIS.	
31.8-36.7	BASALT SPHERULITIC PILLOW LAVA (AS ABOVE)	
36.7-38.0	DACITE AS ABOVE	
38.0-50.6	BASALT SPHERULITIC PILLOW LAVA (AS ABOVE)	
50.6-80.5	DACITE AS ABOVE	
80.5-88.5	BASALT. SPHERULITIC PILLOW LAVA. (AS ABOVE)	
88.5-93.0	DACITE STRONGLY SHEARED @ 50° TO CORE AXIS NEAR WOCO VEIN.	
93.0-94.8	WHITE QUARTZ VEIN "WOCO" VEIN — WHITE QUARTZ WITH HAIRLINE GREEN. FRACTURES NEAR PARALLEL TO FOOTWALL OF VEIN.	
94.8-96.0	BASALT, STRONGLY SHEARED AND FOLIATED PARALLEL TO FOOTWALL OF VEIN.	
	96.0 END OF HOLE, CORE STORED IN RACKS AT DRILL SITE.	

B.Q. CORE SIZE.

DRILLED BY KENORA SOIL & DRILLING

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR-93-6 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
	QUARTZ VEIN, BARREN, IRON STAIN IN FRACT.	14953	8.1	9.3	1.2	Tr.
	DACITE, SHEARED 30% QTZ CARB IN FRACT.	14954	90.0	93.0	3.0	0.006
WOOD VEIN. 93.0 - 94.8 (1.8)	WHITE QUARTZ, TRACES OF CHLORITE IN FRACT	14955	93.0	94.8	1.8	0.057
	BASALT, SHEARED, QTZ CARB IN FRACTURES.	14956	94.8	96.0	1.2	0.004

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IN. FEET. GEOLOGY HOLE NO. J.R.93-7 SHEET NO. 1

LATTITUDE 2,181.77-N DATUM CLAIM 910547 (S-W) STARTED MAR. 23, 1993

DEPARTURE 2,133.1-E BEARING DUE EAST. COMPLETED MAR. 23, 1993

ELEVATION 5,005.0 DIP -45° ULTIMATE DEPTH 115.0

DEPTH FEET	FORMATION	FORMATION
0-6.0	CASING - OVERBURDEN.	
6.0-55.6	BASALT - SPHERULITIC PILLOW LAVA. LIGHT GREY-GREEN, LATH LIKE XENOLITHS OF AMPHIBOLE-BIOTITE, SOME SERICITIZATION.	
55.6-96.25	DACITE LIGHT TO DARK GREY, FINE GRAINED, FOLIATION IS PARTLY DEVELOPED @ 50° TO CORE AXIS, MINOR SERICITIC ALT'N ALONG FRACTURES.	
96.25-96.75	WHITE QUARTZ VEIN "WOCO" VEIN 85% QUARTZ BLEBS AND STRS TRACES PYRITE AND CHALCOPYRITE.	
96.75-115.0	BASALT. - PILLOWED, LAVA FLOWS, FINE GRAINED, MILDLY SHEARED	
	115.0 END OF HOLE CORE STORED IN RACKS AT DRILL SITE.	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING.

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SAMPLING

HOLE NO. JR93-7 SHEET NO. 1

LATTITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
	DACITE., MINOR QTZ CARB IN FRACT.	14957	93.5	96.25	2.75	0.020
WOCO VEIN	85% WHITE QTZ. BLEBS WITH 12% CONTORTED	14958	96.25	96.75	0.5	0.158
96.25-96.75	QTZ CARB. STR'S IN BASALT., 1% PYRITE					
	BASALT., PILLOWED FLOW, SHEARED.	14959	96.75	99.75	3.0	0.015

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IN FEET. GEOLOGY HOLE NO. JR-93-8 SHEET NO. 1

LATITUDE 2,181.77 - N DATUM CLAIM 910547 (S-W) STARTED MAR 23, 1993

DEPARTURE 2,130.8 - E BEARING DUE EAST. COMPLETED MAR 24, 1993

ELEVATION 5,005.0 DIP -70° ULTIMATE DEPTH 186.0

DEPTH FEET	FORMATION	FORMATION
0-6.0	CASING. - IN OVERBURDEN.	
6.0-74.0	BASALT. - SPHERULITIC PILLOW LAVA - LIGHT GREY-GREEN, FINE GRAINED 1-15 MM LENGTH SUB ROUNDED LATHS OF AMPHIBOLE-BIOTITE @ 10.75-11.0 QTZ. BRECCIA @ 22-22.2 WAXY SERICITIC @ 15° TO CORE AXIS	
74.0-147.9	DACITE- LIGHT TO DARK GREY, FINE GRAINED, MINOR FOLIATION IN BANDS @ 20° TO CORE AXIS.	
147.9-149.5	WHITE QUARTZ VEIN "WOCO" VEIN WHITE QUARTZ WITH MINOR CHLORITE AND PYRITE MINOR FRACTURING WITH GREEN CHLORITE STAIN.	
149.5-186.0	BASALT, DARK GREY GREEN, FINE GRAINED, TRACES OF PYRRHOTITE ALONG PILLOW SELVAGES., @ 149.5-152.5 STRONGLY SHEARED BASALT PARALLEL TO FOOTWALL OF WOCO VEIN.	
	186.0 END OF HOLE (CORE STORED IN RACKS AT DRILL SITE)	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING

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DIAMOND DRILL RECORD

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SAMPLING

HOLE NO. JR-93-B SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
	DACITE, MINOR QUARTZ IN FRACTURES	14960	144.9	147.9	3.0	0.011
WDCD VEIN. 147.9-149.5 (1.6)	WHITE QUARTZ VEIN, TRACE CHLORITE, Tr. Pyrite	14961	147.9	149.5	1.6	0.146
	BASALT, SHEARED,	14962	149.5	152.5	3.0	0.003

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SIGNED C. J. Kubyliw

CHESTER J. KUBYLIW, M.Sc., P.ENG.
CONSULTING GEOLOGIST

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IN FEET. GEOLOGY HOLE NO. J.R. 93.9 SHEET NO. 1

LATITUDE 2,228.03 - N DATUM CLAIM 910547 (S-W) STARTED MAR 24, 1993

DEPARTURE 2,154.6 - E BEARING DUE EAST. COMPLETED MAR 25, 1993

ELEVATION 5,001.5 DIP -45° ULTIMATE DEPTH 96.0

DEPTH FEET	FORMATION	FORMATION
0-12.0	CASING. - OVERBURDEN, (MUSKEG, GRAVEL, BOULDERS.)	
12.0-30.6	SPHERULITIC PILLOW LAVA. (BASALT) LIGHT GREEN GREY, FINE GRAINED, (1-15 mm) SIZED SUB-ROUNDED LATHS OF AMPHIBOLE-BIOTITE XENOLITHS. QTZ-CARB - EPIDOTE - SERICITE ALTERATION IN PARTS.	
30.6-81.8.	DACITE - LIGHT TO DARK GREY. FINE GRAINED WEAK FOLIATION @ 49.5-50.5 STRONG SERICITIC ALTERATION.	
81.8-82.4	WHITE QUARTZ VEIN - WOCO VEIN, SHEARED MARGINS @ 60° TO CORE AXIS, RARE PYRITE AND CHLORITE ALONG FRACTURES	
82.4-96.0	BASALT - PILLOWED LAVA. GREEN, FINE GRAINED, SHEARED NEXT TO FOOTWALL OF WOCO VEIN.	
	96.0 - END OF HOLE	
	(CORE STORED IN RACKS AT DRILL SITE)	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING.

SIGNED C.J. Kuryliw

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CONSULTING GEOLOGIST

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SAMPLING

HOLE NO. JR93-9 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	DACITE, SLIGHTLY SHEARED, Tr PYRITE	14963	78.9	81.9	3.0	0.065	
WDCD VEIN	WHITE QUARTZ., MINOR CHLORITE.	14964	81.9	82.4	0.5	Tr	
	BASALT, SHEARED.	14965	82.4	85.4	3.0	Tr	

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SIGNED E.J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

IN FEET — GEOLOGY — HOLE NO JR.93-10 SHEET NO. 1

LATTITUDE 2,228.03 - N — DATUM CLAIM 910547 (S.W) — STARTED MAR 25, 1993

DEPARTURE 2,151.4 - E — BEARING DUE EAST. — COMPLETED MAR 26, 1993

ELEVATION 5,001.5 — DIP -70° — ULTIMATE DEPTH 201.0

DEPTH FEET	FORMATION	FORMATION
0 - 8.0	CASING, IN OVERBURDEN, MUSKEG + BOULDERS	
8.0 - 57.9	BASALT - SPHERULITIC - PILLOW LAVA LIGHT GREY-GREEN, FINE GRAINED, (1-12 mm) LATH LIKE PHENOCRYSTS, MINOR - CARB - EPIDOTE - SERICITE ALT'N IN PARTS.	
57.9 - 116.0	DACITE - LIGHT GREY, FINE GRAINED, FOLIATION BANDING @ 35° TO CORE AXIS STRONG SERICITIZATION ALONG TWO FEW FRACTURES	
116.0 - 125.0	BASALT - SPHERULITIC PILLOW LAVA. (AS ABOVE)	
125.0 - 175.4	DACITE - LIGHT GREY, FINE GRAINED, FOLIATION @ 30° TO CORE AXIS.	
175.4 - 180.0	"WOOD BREAK" - SHEARED BASALT @ 33° TO CORE AXIS, 35% QUARTZ 30% CHLORITE BANDED, IRREGULAR. TRACES PYRITE, CHALCO, Po.	
180.0 - 201.0	BASALT. PILLOW LAVA, GREEN, FINE GRAINED, STRONGER SHEARING FROM 180.0 - 192.0.	
	201.0, END OF HOLE (CORE STORED IN RACKS AT DRILL SITE)	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING

SIGNED C.J. Kuryliw

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SAMPLING

HOLE NO. JR-93-10 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
	DACITE, SHEARED 10% QTZ. STRINGERS.	14966	167.5	170.0	2.5	Tr
	DACITE, " 5% " "	14967	170.0	173.0	3.0	0.010
	BASALT, " 35% " "	14968	173.0	175.4	2.4	0.022
	BASALT, " 25% " "	14969	175.4	178.0	2.6	0.003
	BASALT, " 20% " "	14970	178.0	180.2	2.2	0.482
	BASALT, " —	14971	180.2	183.0	2.8	0.049

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CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

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IN FEET.

GEOLOGY

HOLE NO. JR-93-11 SHEET NO. 1

LATITUDE 2,149.61 - N | DATUM CLAIM 910547 (S.W.) | STARTED MAR 26 1993

DEPARTURE 2,005.1 - E | BEARING DUE EAST. | COMPLETED MAR 28 1993

ELEVATION 4,995.5 | DIP COLLAR -64°, 200' @ -58° | ULTIMATE DEPTH 366.0

DEPTH FEET	FORMATION	FORMATION
0.4.0	CASING. — OVERBURDEN, MUSKEG.	
4.0 - 193.0	BASALT, MASSIVE FLOW (OR GABBRO SILL?) DARK GREY-GREEN A FINER MEDIUM GRAIN BUT ROCK IS FOLIATED, NOT EQUIGRANULAR-HOLOCRYSTALLINE A FEW FINE FLECKS OF WHITE LEUCOXENE? 42.9 - 43.0 WHITE QTZ VEINLET. 67.75 - 67.9, 114.9 - 115.0, 117.0 - 117.1 ALL. GREY QUARTZ, SERICITIZED MARGINS.	
193.0 - 273.0	BASALT — SPHERULITIC PILLOW LAVA. LIGHT GREY GREEN, WITH A FEW WHITE SPHERULE PILLOW RIMS, 1-15 mm SIZE, LATH LIKE PHENOCRYST LIKE AGGREGATES OF AMPHIBOLE — BIOTITE.	
273.0 - 288.9	DACITE — LIGHT GREY, FINE GRAINED, SERICITIC ALTERATION IN PARTS.	
288.9 - 294.0	BASALT, SPHERULITIC PILLOW LAVA (AS ABOVE)	
294.0 - 337.7	DACITE FINE GRAINED, LIGHT TO DARK GREY, OCCASIONAL BUFF-SERICITIC ZONE 334.0 - 337.7 SHEARED & FRACTURED DACITE AT HANGINGWALL OF WOCO VEIN.	

B.Q. CORE SIZE

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GEOLOGY

HOLE NO. JR-93-11 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
337.7-343.1	WHITE QUARTZ VEIN "WOCO VEIN" WHITE QUARTZ VEIN WITH PARALLEL CONTACTS @ 38° TO CORE AXIS. HAIRLINE FRACTURES OCCUR PARALLEL TO VEIN WALLS MOST OF THESE FRACTURES OCCUR TOWARDS THE FOOTWALL, THE FRACTURES ARE STAINED WITH CHLORITE AND RARELY FUCSHITE AND OCASIONALLY PYRITE FINE GRAINS OF VISIBLE GOLD (13) WERE NOTICED IN THE AREA OF GREATEST FREQUENCY OF FRACTURES (AT FOOTWALL) SOME FINE SPECKS OF GALENA AND RARE CHALCOPYRITE	
343.1-366.0	BASALT PILLOWED LAVA, FINE GRAINED, GREENISH SOME STRONGER FOLIATION OCCURS A FEW FEET BELOW THE WOCO VEIN FOOTWALL	
	366.0 END OF HOLE.	
	CORE STORED IN RACKS, AT DRILL SITE.	

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SAMPLING

HOLE NO. JR-93-11 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	OZS Ag.
	DACITE, SHEARED	14973	336.0	337.7	1.7	0.002	
WDCO. VEIN 337.7-343.1 (5.4)	WHITE QUARTZ VEIN, MINOR CHLORITE	14974	337.7	339.2	1.5	Tr	
						Tr	
	WHITE QUARTZ VEIN, 1 SPECK OF VG	14975	339.2	340.7	1.5	0.360	0.052
					CHECK	0.394	
					AVER.	0.377	
	WHITE QUARTZ VEIN, 14 FINE SPECKS OF VG. SOME FINE HAIRLINE FRACTURES PARALLEL TO FOOTWALL.	14976	340.7	341.7	1.0	2.432	0.082
					CHECK	3.164	
					AVER.	2.798	
	WHITE QUARTZ VEIN, WITH XENOLITHS OF BASALT.	14977	341.7	343.1	1.4	0.059	
	BASALT, SHEARED, MINOR SILICIFICATION	14978	343.1	346.0	2.9	0.003	
	BASALT, SHEARED, MINOR SILICIFICATION	14979	346.0	348.0	2.0	Tr	

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IN FEET. **GEOLOGY** HOLE NO JR-93-12 SHEET NO. 1

LATTITUDE 2,244.59 - N DATUM CLAIM 910547 (S-W) STARTED MAR 29, 1993

DEPARTURE 2,008.0 - E BEARING DUE EAST. COMPLETED MAR 31, 1993

ELEVATION 4,993.7 DIP COLLAR -69° @ 530' -65°S ULTIMATE DEPTH 541.0

DEPTH FEET	FORMATION	FORMATION
0-16.0	CASING - IN OVERBURDEN, MUSKEG, GRAVEL DETRITAL + BOULDERS	
16.0-267.0	BASALT - MASSIVE FLOW, A FINER MEDIUM GRAINED DARK. GREY GREEN ROCK, WITH A FOLIATED GRAIN APPEARANCE SOME FINE FLECKS OF LEUCOXENE?	
267.0-285.75	BASALT - SPHERULITIC PILLOW LAVA LIGHT GREY-GREEN WITH 1-15 mm. LATH LIKE AGGREGATIONS OF AMPHIBOLE-BIOTITE IN PHENOCRYST FORM.	
285.75-295.0	BASALT - MASSIVE FLOW (AS ABOVE)	
295.0-313.5	BASALT - SPHERULITIC PILLOW LAVA (AS ABOVE) POORLY DEVELOPED SPHERULES AT PILLOW SELVAGES.	
313.5-332.4	MIXED SPHERULITIC PILLOW LAVA AND DACITE BRECCIA, STRONGLY SERICITIZED.	
332.4-374.9	BASALT - SPHERULITIC PILLOW LAVA, FINE PHENOCRYSTS OF LEUCOXENE	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING

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GEOLOGY

HOLE NO. JR-93-12 SHEET NO. 2.

LATTITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
374.9-385.25	DACITE - LIGHT TO DARK GREY, FINE GRAINED, SOME SERICITIC STRS.	
385.25-389.6	DIORITIC DYKE - FINE TO MED. GRAINED, EQUIGRANULAR WITH CHILLED MARGINS, UPPER CONTACT @ 27°, LOWER @ 33° TO CORE AXIS	
389.6-419.6	DACITE - LIGHT TO DARK GREY, FINE GRAINED.	
419.6-444.1	BASALT - SPHERULITIC PILLOW LAVA.	
444.1-448.1	GABBRO DYKE - MED GRAINED, EQUIGRANULAR, WITH CHILLED MARGINS @ 65° TO CORE AXIS, LOWER CONTACT HAS 1CM OF GOUGE	
448.1-459.9	BASALT - SPHERULITIC PILLOW LAVA.	
459.9-461.1	LAMP DYKE - GREY-BLACK, FINE GRAINED, BIOTITE PHENO'S	
461.1-487.0	BASALT - SPHERULITIC PILLOW LAVA.	
487.0-521.3	DACITE - LIGHT TO DARK GREY FINE GRAINED, SHEARED AND FRACTURED @ 519.0-521.3 NEAR HANGING WALL OF WOCO VEIN.	

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GEOLOGY

HOLE NO. JR-93-12 SHEET NO. 3

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
521.3-524.7	WHITE QUARTZ VEIN - "WOCO" VEIN WHITE QUARTZ VEIN WITH IRREGULAR CONTACTS @ 30°-35° TO THE CORE AXIS. 5 SPECKS OF VISIBLE GOLD @ 524' ASSOCIATED WITH GALENA AND SOME SPHALERITE. THE GOLD IS ASSOCIATED WITH HAIRLINE FRACTURES THAT OCCUR PARALLEL TO FOOTWALL.	
524.7-543.0	BASALT - PILLOW LAVA, FINE GRAINED. FROM 524.7-529.3 STRONGLY SHEARED NEXT TO FOOTWALL OF WOCO VEIN WITH UP TO 50% BIOTITE ALTERATION.	
	543.0. END OF HOLE	
	CORE STORED IN RACKS AT DRILL SITE.	

DRILLED BY _____

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SAMPLING

HOLE NO JR 93-12 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	OZS Ag.
	DACITE, SHEARED 10% QTZ. STRS.	14980	519.0	521.3	2.3	0.003	
WOCO VEIN 521.3-524.7 (3.4)	WHITE QUARTZ VEIN, TRACE OF GALENA	14981	521.3	522.5	1.2	0.005	
	WHITE QUARTZ VEIN, TRACE OF GALENA	14982	522.5	523.6	1.1	Nil	
	WHITE QUARTZ VEIN. HAIRLINE FRACTURES PARALLEL TO FOOTWALL WITH 5% FINE SPECKS OF VG. MINOR GALENA.	14983	523.6	524.7	1.1	1.196	0.099
					CHECK	1.208	
					AVER.	1.202	
		14984	524.7	526.0	1.3	0.030	
	BASALT, 50% BIOTITIZED.						
	BASALT, MINOR QUARTZ STRINGERS.	14985	526.0	529.3	3.3	0.004	

DRILLED BY _____

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IN FEET.

GEOLOGY

HOLE NO JR-93-13 SHEET NO. 1

LATTITUDE 2,338.35 - N
DEPARTURE 1,923.5 - E
ELEVATION 4,992.9

DATUM CLAIM 910547 (S-W)
BEARING DUE EAST
COLLAR 200' 400' 600' 800'
DIP -62° -62.5 -63.0 -63.5 -64.5

STARTED MAR. 31, 1993
COMPLETED APRIL 3, 1993
ULTIMATE DEPTH 816.0'

DEPTH FEET	FORMATION	FORMATION
0 - 14.0	CASING - OVERBURDEN. MUSKEG, GRAVEL & BOULDER DETRITAL.	
14.0 - 75.0	BASALT - MASSIVE FLOW, DARK GREY-GREEN, MED GRAINED EQUIGRAN.	
75.0 - 92.5	BASALT - PILLOWED LAVA, WITH CONTORTED PILLOW RIMS, SOME EPIDOTE - CARB - SERICITE ALTERATION, FINE GRAINED, GREEN.	
92.5 - 151.5	BASALT - MASSIVE FLOW, DARK GREY GREEN, A FINER MEDIUM GRAIN. QTZ VEINLET 141.0 - 141.6.	
151.5 - 173.3	FELSIC DYKE - LIGHT GREY - BUFF, FINE GRAINED RHYO-DACITE (Q-Φ ?) STRONGLY SERICITIZED AT UPPER AND LOWER MARGINS (3-4') PARALLEL AT 20° TO CORE AXIS. (QUARTZ PORPHYRY DY.?)	
173.3 - 535.5	BASALT - MASSIVE FLOW DARK GREY - GREEN, MED GRAIN.	
535.5 - 544.0	MIX DACITE — SPHERULITIC PILLOW LAVA MIXED BRECCIA. 539.0 - 539.6 QUARTZ RICH ZONE.	
544.0 - 554.6	BASALT - SPHERULITIC PILLOW LAVA, FINE GRAINED, GREENISH.	

BQ. CORE SIZE

DRILLED BY KENORA SOIL & DRILLING

SIGNED C. J. Kuryliw

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CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY. TWP. ONT.

GEOLOGY

HOLE NO. JR 93-13 SHEET NO. 2

LATTITUDE ____ DATUM ____ STARTED ____

DEPARTURE ____ BEARING ____ COMPLETED ____

ELEVATION ____ DIP ____ ULTIMATE DEPTH ____

DEPTH FEET	FORMATION	FORMATION
554.6-557.8	DACITE —	
557.8-572.3	BASALT - SPHERULITIC PILLOW LAVA	
572.3-579.5	DACITE -	
579.5-606.75	BASALT - SPHERULITIC PILLOW LAVA	
606.75-622.75	DACITE -	
622.75-692.0	BASALT - SPHERULITIC PILLOW LAVA	
692.0-697.0	DACITE -	
697.0-704.5	BASALT - SPHERULITIC PILLOW LAVA.	
704.5-725.75	DACITE -	
725.75-728.3	"WOCO" BREAK STRONGLY SHEARED, WITH 25% CONTORTED QUARTZ STRINGERS, CHLORITE, TRACES OF PYRITE, CHALCOPYRITE + PO.	
728.3-753.7	BASALT. - GREENISH SHEARED, WITH SOME QTZ CARB ALONG SHEARS.	
753.7-797.7	DACITE - FINE GRAINED LIGHT TO DARK GREY.	
797.7-816.0	BASALT - MASSIVE FLOW	
	816.0 END OF HOLE	
	CORE STORED AT DRILL SITE.	

DRILLED BY ____

SIGNED CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR-93-13 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au
	WHITE QUARTZ VEINLET, BARREN	14986	141.0	141.6	0.6	Tr
	" " "	14987	175.0	175.3	0.3	Nil
	" " "	14988	266.0	266.3	0.3	Tr
	DACITE, SHEARED	14989	722.75	725.75	3.0	0.028
WDCD CONTACT→						
	BASALT, SHEARED, 20% QTZ IN STRINGERS.	14990	725.75	727.0	1.25	0.034
	BASALT, SHEARED, TWO OF 3" WHITE QTZ.	14991	727.0	728.3	1.30	Tr
	BASALT, SHEARED.	14992	728.3	731.3	3.0	Tr

DRILLED BY _____

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

IN FEET. GEOLOGY HOLE NO. JR 93 14 SHEET NO. 1

LATITUDE 1,992.06 - N DATUM CLAIM 910547 (S-W) STARTED APRIL 4, 1993

DEPARTURE 1,955.6 - E BEARING DUE EAST. COMPLETED APRIL 5, 1993

ELEVATION 4,998.1 DIP COLLAR -45°, 200' -37° ULTIMATE DEPTH 265'

DEPTH FEET	FORMATION	FORMATION
0-9.0	CASING — OVERBURDEN, MUSKEG, BOULDERS.	
9.0-89.2	BASALT - MASSIVE FLOW, GREYISH TO DARK GREEN, MED-GRAINED, 29.3-29.5 WHITE QUARTZ VEIN.	
89.2-101.5	BASALT — SPHERULITIC PILLOW LAVA, GREENISH, FINE GRAINED.	
101.5-143.6	DACITE — FINE GRAINED LIGHT TO DARK GREY, FRACTURED.	
143.6-149.2	BASALT — SPHERULITIC PILLOW LAVA	
149.2-181.25	DACITE — AS ABOVE	
181.25-225.4	BASALT. - SPHERULITIC PILLOW LAVA.	
225.4-233.75	DACITE — AS ABOVE	

BQ. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING

FIELD ENG. D. AIDERMAN

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.

CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO. JR-93-14 SHEET NO. 2

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
233.75-235.6	WHITE QUARTZ VEIN - "WOCO" VEIN WHITE QUARTZ, ONE SPECK OF V.G. @ 235'. ASSOCIATED WITH A BLEB OF GALENA-SPHALERITE. VERY FEW HAIRLINE FRACTURES. (UPPER EXTENSION LIMIT OF DEEP WOCO ARCH VEIN)	
235.6-265.0	BASALT. PILLOW LAVA, FINE GRAINED. GREENISH-GREY. SHEARED AT FOOTWALL OF WOCO VEIN FROM 235' - 239.0.	
	265.0 END OF HOLE.	
	CORE STORED AT DRILL SITE, IN CORE RACK.	

DRILLED BY _____

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CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR-93-14 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	Wt. Au	
	DACITE, SLIGHTLY SHEARED.	14993	231.75	233.75	2.0	0.008	
WOOD VEIN.	WHITE QUARTZ VEIN, TRACES GALENA	14994	233.75	234.75	1.0	0.036	
	WHITE QUARTZ VEIN, TR GALENA, 4 SPECKS OF VG	14995	234.75	235.6	0.85	0.168	
					CHECK	0.156	
					AVER.	0.162	
	BASALT, SHEARED	14996	235.6	239.0	3.4	0.006	

DRILLED BY _____

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CHESTER J. KURYLLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO. JR-93-15 SHEET NO. 2

LATTITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	FORMATION
343.5-376.0	BASALT. PILLOW LAVA. FINE GRAINED GREENISH	
	SOME SHEARING TO 346.0 WITH SOME QTZ-CARB BLEBS	
	376.0 END OF HOLE.	
	CORE STORED IN RACKS, AT DRILL SITE.	

DRILLED BY _____

SIGNED CHESTER J. KURY[illegible], M.Sc., P.Eng.
CONSULTING [illegible]

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO. JR-93-15 SHEET NO. 1

IN FEET.

LATITUDE 1,992.23 - N — DATUM CLAIM 910 547 (SW) — STARTED APRIL 5, 1993

DEPARTURE 1,953.8 - E — BEARING DUE EAST. — COMPLETED APRIL 6, 1993

ELEVATION 4,998.1 — DIP COLLAR -63°, 200' -60°S — ULTIMATE DEPTH 376'.0

DEPTH FEET	FORMATION	FORMATION
0 - 8.0	CASING - OVERBURDEN	
8.0 - 126.9	BASALT - MASSIVE FLOW., DARK GREY-GREEN, MEDIUM GRAINED.	
126.9 - 172.8	BASALT - SPHERULITIC ALLOW LAVA:, LIGHT GREEN GREY FINE GRAINED, WITH LATH LIKE "PHENOCRYSTS" THAT ARE AGGREGATES OF AMPHIBOLE - BASALT.	
172.8 - 254.8	DACITE - LIGHT TO DARK GREY, FINE GRAINED, BLACK NETWORK OF FINE HAIRLINE FRACTURES, SOME SERICITIZATION @ 172.8 - 176.8 194.6 - 196.9 BASALT SPHERULITIC PILLOW LAVA.	
254.8 - 324.5	BASALT - SPHERULITIC PILLOW LAVA., LIGHT GREENISH, FINE GRAINED, WITH LATH-LIKE FLECK-PHENOCRYSTS OF AMPHIBOLE-BIOTITE	
324.5 - 330.5	DACITE - DARK GREY, FINE GRAINED (MUD FAULT @ 330.5.)	
330.5 - 343.5	DACITE - FINE GRAINED, SHEARED. BRECCIA ZONE 343.5 - 344.0. HIGHLY FRACTURED FAULT?	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING

FIELD GEOL. - D. ALDERMAN

SIGNED C. J. Kuhlin

CHESTER J. KUHLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

IN FEET

GEOLOGY

HOLE NO. JR-93-16 SHEET NO. 1

LATITUDE 1871.98 -N

DATUM CLAIM 910547 (S.W)

STARTED APRIL 6, 1993

DEPARTURE 1,983.9 -E

BEARING DUE EAST

COMPLETED APRIL 7, 1993

ELEVATION 4,999.0

DIP COLLAR -55° @ 200' -52°

ULTIMATE DEPTH 216'.0 206

DEPTH FEET	FORMATION	FORMATION
0-10.0	CASING — OVERBURDEN.	
10.0-28.0	DACITE — BANDED DACITE TUFF, STRINGERS WITH SERICITE	
28.0-137.3	BASALT — COMPLEX, RESEMBLES SPHERULITIC PILLOW LAVA AND COARSE GABBROIC ROCK.	
137.3-137.8	BASALT — SPHERULITIC PILLOW LAVA, TYPICAL, WITH LATH-LIKE FLECKS OF AMPHIBOLE-BIOTITE.	
137.8-155.8	DACITE — LIGHT GREY, FINE GRAINED, SERICITE ALONG FRACTURES.	
155.8-156.6	WOCO BREAK(?) SHEARED ZONE WITH 25% QTZ STRS. 2% PYRRHOTITE WOCO STRINGER EXTENSION ZONE?	
156.6-206.0	BASALT PILLOW LAVA, FINE GRAINED. GREENISH-GREY.	
	206.0 END OF HOLE	
	CORE STORED IN RACKS, AT DRILL SITE	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL + DRILLING

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

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SAMPLING

HOLE NO. JR 93-16 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	SHEARED BASALT 20% QTZ. STRINGERS.	14998	155.2	156.6	1.4	0.002	

DRILLED BY _____

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CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

IN FEET

GEOLOGY

HOLE NO JR-93-17 SHEET NO. 1

LATITUDE 1871.98 -N

DEPARTURE 1,981.7 -E

ELEVATION 4,999.0

DATUM CLAIM 910547 (S-W)

BEARING DUE EAST.

DIP COLLAR -70°, @306' -68½°

STARTED APRIL 7, 1993

COMPLETED APRIL 8, 1993

ULTIMATE DEPTH 306.0

DEPTH FEET	FORMATION	FORMATION
0-9.0	CASING. - OVERBURDEN.	
9.0-48.4	DACITE - FINE GRAINED, LIGHT TO DARK GREY, SOME CALCITE-SERICITE FILLED FRACTURES.	
48.4-50.8	QUARTZ VEIN - PATCHY, WHITE TO GLASSY TRANSPARENT WITH TOURMALINE, CHLORITE TRACE PYRITE.	
50.8-51.6	DACITE - AS ABOVE	
51.6-203.2	BASALT - SPHERULITIC PILLOW LAVA., LIGHT GREEN WITH LATH LIKE FLECKS OF AGGREGATES OF AMPHIBOLE-BIOTITE. 85.3-91.5 MAFIC DYKE	
203.2-240.3	DACITE - LIGHT TO DARK GREY, FINE GRAINED, SHEARED @ 236.3-240.8	
240.3-241.5	WOCO BREAK? SHEARED, STRINGER EXTENSION ZONE OF WOCO VEIN 20% Qtz STRS, 20% CHLORITE, 1-2% Py, RARE CHALCO	
241.5-306.0	BASALT PILLOW LAVA - FINE GRAINED, GREYISH, SHEARED FROM 241.5-251.0	
	~~306.0 END OF HOLE~~ CORE STORED AT DRILL SITE	

B.Q. CORE SIZE

DRILLED BY KENORA SOIL & DRILLING

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CHESTER J. KURYLIW, M.Sc., P.ENG.
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DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

HOLE NO. JR93-17 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
	GLASSY QUARTZ VEIN 5% TOURMALINE, Tr Py.	14999	48.4	50.8	1.4	NIL	
"	WOCO BREAK" SHEARED BASALT 20% Qtz STRS 1-2% PYRITE.	15000	240.8	241.5	0.7	0.004	

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SIGNED _____

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CONSULTING GEOLOGIST

No 18

DIAMOND DRILL RECORD

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No. 18

GEOLOGY

HOLE NO. JR-18-93 SHEET NO. 1

LATITUDE 2,056.00 N — DATUM SW COR. CLAIM 910547 — STARTED AUG. 11, 1993

DEPARTURE 1,924.00 E — BEARING EAST — COMPLETED AUG. 24, 1993

ELEVATION 4,997.5 FT. — DIP @ COLLAR -55° @ 200' -48° @ 396' -41° — ULTIMATE DEPTH 396.0

DEPTH FEET	FORMATION	FORMATION
0-15.0	CASING, IN MUSKEG.	
15.0-82.5	SPHERULITIC BASALT LAVA:- A MEDIUM GRANULAR TEXTURE LIGHT GREYISH-GREEN, SOME PILLOW RIMS.	
82.5-84.5	LAMPROPHYRE: DYKE - BROWNISH GREY CONTACTS @ 60° TO CORE/AXIS	
84.5-89.0	SPHERULITIC BASALT LAVA - AS ABOVE.	
89.0-92.0	"LAMP" DYKE: CONTACTS @ 65° TO C/AXIS	
92.0-169.2	SPHERULITIC BASALT LAVA; MEDIUM GRANULAR TEXTURE LIGHT GREYISH GREEN, WELL DEVELOPED SPHERULES @ 160'.	
169.2-170.3	"LAMP" DYKE: CONTACTS @ 65° TO C/AXIS.	
170.3-242.2	SPHERULITIC BASALT LAVA: AS ABOVE	
242.2-256.0	DACITE: LIGHT PINKISH GREY, HARD POLISHED CORE, BOTH CONTACTS AT 60° TO C/A	
256.2-309.5	SPHERULITIC BASALT LAVA, AS ABOVE.	
309.0-313.0	DACITE: PINKISH GREY, FINE GRAINED, @ 309.0 CONTACT IS @ 60° TO C/A. @ 313.0 THE CONTACT IS L 20° TO C/A. NOTE SINCE THE DACITE CONTACT @ 242.2, 256.0 AND 309.0 ARE ALL AT 60° TO THE C/AXIS IT IS INTERPRETED THAT THE BLACK LINED CONTACT AT 313.0 WHICH IS AT 20° TO THE C/AXIS REPRESENTS A FAULT	
313.0-396.0	BASALT. PILLOWED LAVA, DARK GREENISH, WELL DEVELOPED PILLOW RIMS	
	396.0 FT. END OF HOLE.	

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SIGNED CHESTER J. KUBYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

N. 19

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO JR-19-93 SHEET NO. 1

SW COR. CLAIM.

LATITUDE 2,056.00-N DATUM 910547 STARTED AUG 24, 1993

DEPARTURE 1922.00-E BEARING ENT. COMPLETED AUG 27, 1993

ELEVATION 4,997.5 FT DIP @ COLLAR -62° @ 200' -58° @ 400' -56° ULTIMATE DEPTH 436.0

DEPTH FEET	FORMATION	FORMATION
0-15.0	CASING, IN MUSKEG	
15.0-93.5	SPHERULITIC BASALT LAVA - GREEN GREY ALTERED GRANULAR TEXTURE WITH SOME WHITE FLECKS OF LEUCOXENE.	
93.5-96.0	"LAMP" DYKE - GREYISH-BROWN FINE GRAINED, CONTACTS @ 60° TO C/AXIS	
96.0-100.2	SPHERULITIC BASALT LAVA - AS ABOVE.	
100.2-104.7	"LAMP" DYKE - AS ABOVE	
104.7-190.5	SPHERULITIC BASALT LAVA - AS ABOVE	
190.5-190.6	QUARTZ VEINLET, WHITE-GREY NO MINERALIZATION.	
190.6-191.1	SPHERULITIC BASALT LAVA - AS ABOVE	
191.1-193.1	BULL-QUARTZ VEIN, GLASSY-WHITE BRECCIATED LOOK TO TEXTURE. SOME CHALCO	
193.1-318.6	SPHERULITIC BASALT LAVA - AS ABOVE, WITH SOME WELL DEVELOPED SPHERULITES	
318.6-321.0	BULL-QUARTZ VEIN - GLASSY-WHITE, BRECCIATED APPEARANCE, NO MINERALIZATION	
321.0-336.5	DACITE - PINKISH-GREY, HARD, FINE GRAINED	
336.5-400.0	SPHERULITIC BASALT LAVA WITH 5% PSEUDOPORPHYRITIC LATHS OF AMPHIBOLE-CHLORITE	
400.0-415.8	DACITE - PINKISH GREY, HARD, FINE GRAINED.	
415.8-416.8	WOCO STRINGER ZONE - (FAULTED. SOUTH BLOCK?) 20% QUARTZ STRINGERS	
	NOTE: "THIS HOLE MUST HAVE BENT SOUTH EASTWARDS ACROSS THE SOUTH FAULT"	
416.8-436.0	BASALT - PILLOWED LAVA - GREENISH GREY.	
	436.0 END OF HOLE	

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CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

No. 19

SAMPLING

HOLE NO. JR-19-93 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
/							
190·5-193·1	WHITE BULL QUARTZ VEIN, PROBABLY A FLATTISH QUARTZ VEIN. CONTACTS @ 60° TO C/AXIS, SOME MINOR CHALCOPYRITE + PYRITE	1551	190·5	193·1	2·6	0·012	
415·8-416·9	"WOCO VEIN HORIZON" REPRESENTED BY A STRINGER ZONE, 20% QTZ STRINGERS, THIS IS PROBABLY THE SOUTH BLOCK FAULT SECTION	1552	415·8	416·9	1·1	0·042	

DRILLED BY _____

SIGNED

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

No. 2

GEOLOGY

HOLE NO. JR-20-93 SHEET NO. 1

LATITUDE 2,106.00 N — DATUM SW COR. CLAIM. 910547 — STARTED AUG 27, 1993

DEPARTURE 1,985.00 E — BEARING EAST @ COLLAR — @ 306' — COMPLETED AUG 29, 1993

ELEVATION 4.997.5 FT — DIP -50° -45° -45° — ULTIMATE DEPTH 305'.0

DEPTH FEET	FORMATION	FORMATION
0-10.0	CASING - IN MUSKEG	
10.0-30.5	SPHERULITIC BASALT LAVA - BUFF ALTERED-GRANULAR TEXTURE MAFICS ARE DARK GREENISH GREY WITH FLECKS OF WHITE LEUCOXENE.	
30.5-32.8	LAMP. DYKE - BROWNISH FINE GRAINED CONTACTS @ 70° TO C/AXIS	
32.8-39.8	SPHERULITIC BASALT LAVA - (AS ABOVE)	
39.8-40.5	LAMP DYKE - (AS ABOVE)	
40.5-103.2	SPHERULITIC BASALT LAVA - (AS ABOVE)	
103.2-104.2	QUARTZ VEIN - GLASSY-WHITE, PATCHES OF AMPHIBOLE-CHLORITE CONTACTS @ 40°	5%
104.2-147.0	SPHERULITIC BASALT LAVA (AS ABOVE)	
147.0-177.0	SPHERULITIC BASALT LAVA - 5% PSEUDOPORPHYRITIC LATHS OF DARK GREEN AMPHIBOLE-CHLORITE IN A GREY-GREEN GROUNDMASS.	
177.0-184.8	LAMP DYKE, FINE GRAINED GREYISH.	
184.8-245.4	SPHERULITIC BASALT LAVA - WITH AMPHIBOLE-CHLORITE LATHS (AS ABOVE)	
245.4 257.0	DACITE - LIGHT GREENISH, FINE GRAINED, HARD & TOUGH FINE WHITE FELDSPAR PHENOCRYSTS.	
257.0-264.5	WOCO VEIN - MILKY-WHITE SUGARY TEXTURE NEAR HANGING WALL TOWARDS THE FOOTWALL (EAST SIDE) FRACTURES WITH GARNETS STAIN OCCURS WITH FINE SPECKS OF PY. FROM 262.3 TO 264.5.	
264.5-305.0	BASALT - PILLOWED LAVA, DARK GREENISH.	
	305.0 END OF HOLE	

C. J. Kingston

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

No 20

SAMPLING

HOLE NO. JR-20-93 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	AVERAGE OZS Au
	WHITE WOCO VEIN, WHITE-CHLORITIC, BARREN.	1553	257.0	258.0	1.0	0.015	
	" " " WHITE, BARREN	1554	258.0	259.0	1.0	0.015	
	" " " " "	1555	259.0	260.0	1.0	0.101	
	" " " " "	1556	260.0	261.0	1.0	0.109	
	" " " " "	1557	261.0	262.3	1.3	0.016	
	WHITE WOCO VEIN, FRACTURES WITH LIGHT GREEN STAIN 10 SPECKS OF FINE V.G.	1558	262.3	263.5	1.2	0.575	0.569
					CHECK	0.563	
	WHITE WOCO VEIN, FRACTURES WITH LIGHT GREENISH STAIN 20 SPECKS OF FINE V.G.	1559	263.5	264.5	1.0	2.254	2.398
					CHECK.	2.542	
	BASALT LAVA SHEARED CHLORITIC	1560	264.5	266.0	1.5	0.009	
	FLAT QUARTZ VEIN, CHLORITIC MINOR PYRITE	1561	103.0	104.0	1.0	0.011	

WOCO VEIN 257.0 - 264.5 AVERAGES 0.445 OZ. AU 7.5 FT

DRILLED BY _____

SIGNED CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

No. 21

GEOLOGY

HOLE NO. JR-21-93 SHEET NO. 1

LATITUDE 2,106.00 N — DATUM SW COR. CLAIM 910547 — STARTED AUG. 29. 1993

DEPARTURE 1,982.00 E — BEARING EAST. — COMPLETED SEPT. 1, 1993

ELEVATION 4,997.5 FT. — DIP @ COLLAR -57° @ 200' -52½° @ 306' -50° — ULTIMATE DEPTH 306.0

DEPTH FEET	FORMATION	FORMATION
0 - 8.0	CASING - IN MUSKEG.	
8.0 - 33.0	SPHERULITIC BASALT LAVA - ALTERED GRANULAR TEXTURE, SOME FLECKS OF LEUCOXENE	
33.0 - 36.0	LAMPROPHYRE DYKE - BROWNISH GREY, CONTACTS @ 60° TO C/A	
36.0 - 40.5	SPHERULITIC BASALT LAVA - AS ABOVE	
40.5 - 42.0	"LAMP" DYKE - AS ABOVE.	
42.0 - 83.4	SPHERULITIC BASALT LAVA - AS ABOVE.	
83.4 - 84.0	GLASSY QUARTZ VEIN. CONTACTS @ 60° TO CA.	
84.0 - 126.0	SPHERULITIC BASALT LAVA - ALTERED GRANULAR TEXTURE SOME FLECKS OF LEUCOXENE	
126.0 - 129.2	"LAMP" DYKE	
129.2 - 165.0	SPHERULITIC BASALT LAVA - AS ABOVE.	
165.0 - 262.0	SPHERULITIC BASALT LAVA - WITH 5% FLECKS OF LATHS OF AMPHIBOLE-CHLORITE THE PSEUDOPORPHYRITIC - LATHS ARE UP TO 7 MM LONG.	
262.0 - 290.0	DACITE - FINE GRAINED, THE CORE IS HARD - POLISHED, THE COLOR IS VARIABLE FROM LIGHT GREENISH TO LIGHT BROWNISH.	
290.0 - 294.2	WOCO VEIN - MILKY-WHITE SUGARY TEXTURE, VEIN CONTACTS @ 60° TO C/AXIS V.G. SPECKS OCCUR TOWARDS FOOTWALL FROM 291.6 - 292.9 (10 SPECKS OF V.G.) A FEW SPECKS OF GALENA TOWARDS THE FOOTWALL.	
294.2 - 295.5	BASALT LAVA - PARTLY SHEARED	
295.5 - 306.0	BASALT - PILLOWED LAVA, DARK GREENISH-GREY	

DRILLED BY KENORA SOIL + DRILLING

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT. No-21

SAMPLING

HOLE NO. JR-21-93 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	AVERAGED
289.8-291.6	WOCO VEIN NO MINERALIZATION VISIBLE	1562	289.8	291.6	1.8	0.061	
291.6-292.6	WOCO VEIN, 10 FINE SPECKS OF V.G. FRACTURES WITH GREEN STAIN	1563	291.6	292.6	1.0	1.142	1.201
					CHECK	1.261	
292.6-293.6	WOCO VEIN, 2 FINE SPECKS OF V.G.	1564	292.6	293.6	1.0	0.029	0.033
					CHECK	0.038	
293.6-294.4	WOCO VEIN, 5 FINE SPECKS OF V.G. FRACTURES WITH GREEN STAIN. A FEW SPECKS OF GALENA.	1565	293.6	294.4	0.8	0.621	0.619
					CHECK	0.618	
294.4-295.5	BASALT SHEARED, MINOR QUARTZ STRINGERS	1566	294.4	295.5	1.1	0.079	

WOCO VEIN 289.8-294.4 AVERAGED 0.400 oz Au OVER 4.6 FT

DRILLED BY _____

SIGNED CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

No 22.

GEOLOGY

HOLE NO. JR-2293 SHEET NO. 1

LATITUDE 2,206.00 N — DATUM SW COR CLAIM 910547 — STARTED SEPT. 2, 1993

DEPARTURE 2,030.00 E — BEARING EAST — COMPLETED SEPT 4, 1993

ELEVATION 4,997.5 FT. — DIP @ COLLAR -55° @ 200' -52° @ 276' -47½° — ULTIMATE DEPTH 276'.0

DEPTH FEET	FORMATION	FORMATION
0 - 6.0	CASING - IN MUSKEG.	
6.0 - 188.0	SPHERULITIC BASALT LAVA.- ALTERED GRANULAR TEXTURE WITH SOME FINE WHITE FLECKS OF LEUCOXENE. @ 68.0-68.5 BULL QUARTZ WITH SOME AMPHIBOLE-CHLORITE	
188.0 218.0	SPHERULITIC BASALT LAVA - GREYISH GREEN GROUNDMASS WITH DARK GREEN LATHS OF AMPHIBOLE-CHLORITE THE LATHS ARE UP TO 1mm LONG.	
218.0-259.4	DACITE,- LIGHT GREENISH GREY. HARD POLISHED CUT ON CORE, SILICEOUS	
259.4-265.0	WOCO VEIN. (5.6 OF VEIN) WITH CONTACTS AT 55° TO CORE AXIS MINERALIZED WITH FINE SPECKS OF VISIBLE GOLD OVER THE FULL LENGTH OF THE VEIN. THE NUMBER OF FINE SPECKS OF GOLD GRADUALLY INCREASES FROM 259.4 TO 265.0 (TOWARDS THE FOOTWALL.) A FEW RARE SPECKS OF GALENA AND CHALCOPYRITE WERE NOTED. (93 SPECKS OF V.G. WERE NOTED)	
265.0-276.0	BASALT PILLOW LAVA.- DARK GREENISH-GREY, SOME PILLOW RIMS.	
	276.0 END OF HOLE.	

DRILLED BY KENORA SOIL & DRILLING.

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

SAMPLING

ND 22

HOLE NO. JR-22-93 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	AVERAGED OUNCES
257.3-259.3	DACITE 1% QUARTZ-CARB STRINGERS	1567	257.3	259.3	2.0	0.011	
259.3-260.3	WOCO VEIN, 1 SPECK OF FINE V.G.	1568	259.3	260.3	1.0	0.035	0.082
					CHECK	0.130	
260.3-261.3	WOCO VEIN, 5 SPECKS OF FINE V.G., TRACE GALENA.	1569	260.3	261.3	1.0	0.198	0.174
					CHECK	0.151	
261.3-262.6	WOCO VEIN, 15 SPECKS OF FINE V.G. TRACE GALENA	1570	261.3	262.6	1.3	1.938	1.991
					CHECK	2.044	
262.6-263.6	WOCO VEIN, 25 SPECKS OF FINE V.G. TRACES GALENA FRACTURED WITH GREEN STAINING	1571	262.6	263.6	1.0	3.675	3.572
					CHECK	3.470	
263.6-264.6	WOCO VEIN, 35 SPECKS OF FINE V.G. TRACES GALENA FRACTURED WITH GREEN STAINING	1572	263.6	264.6	1.0	4.204	4.430
					CHECK	4.656	
264.6-265.3	WOCO VEIN, 10 SPECKS OF FINE V.G.	1573	264.6	265.3	0.8	1.054	1.068
					CHECK	1.082	
265.3-266.3	BASALT FOOTWALL PARTLY SHEARED 5% QTZ-CARB.	1574	265.3	266.3	1.0	0.014	

WOCO VEIN 1.832 OZS Au/Ton

DRILLED BY _____

SIGNED _____

CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

No 23

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

GEOLOGY

HOLE NO. JR-23-93 SHEET NO. 1

LATITUDE 2,206.00 N. DATUM SW COR. CLAIM 910547 STARTED SEPT. 4, 1993

DEPARTURE 2,028.00 E BEARING EAST COMPLETED SEPT. 7, 1993

ELEVATION 4,997.5 FT. DIP @ COLLAR -62° @ 208' -62° @ 346' -56½° ULTIMATE DEPTH 346.0

DEPTH FEET	FORMATION	FORMATION
0-8.0	CASING, IN MUSKEG	
8.0-186.0	SPHERULITIC BASALT LAVA - LIGHT GREENISH-GREY GRANULAR TEXTURE DUE TO UNDEVELOPED SPHERULITES, SOME FLECKS OF WHITE LEUCOXENE.	
186.0-261.0	BASALT. (SPHERULITIC FORM'N) WITH DARK GREEN LATHS OF AMPHIBOLE-CHLORITE IN A LIGHTER GREY GREEN GROUNDMASS.	
261.0-317.7	DACITE - LIGHT GREYISH FINE GRAINED. @ 317.7 A ½ INCH FAULT FILLED WITH CALCITE-CHLORITE-GREEN QUARTZ @ 60° TO C/AXIS	
317.7-326.4	BASALT LAVA - WITH PATCHES OF DACITE. POSSIBLY A FAULT COMPLEX.	
326.4-327.5	QUARTZ VEIN - MOTTLED WITH GREEN CHLORITE PATCHES (NOT THE WOCO VEIN TYPE)	
327.5-330.0	BASALT LAVA - DARK GREENISH.	
330.0-331.5	BASALT LAVA - WITH 30% QUARTZ STRINGERS.	
331.5-346.0	BASALT LAVA - DARK GREENISH (NO PILLOW RIMS RECOGNIZED)	
	346.0 END OF HOLE	

DRILLED BY KENORA SOIL & DRILLING.

SIGNED C. J. Kuryliw

CHESTER J. KURYLIW, M.Sc., P.ENG.
CONSULTING GEOLOGIST

DIAMOND DRILL RECORD

ST. JUDE RESOURCES LTD. EARNGY TWP. ONT.

No Z3

SAMPLING

HOLE NO. JR 23.93 SHEET NO. 1

LATITUDE _____ DATUM _____ STARTED _____

DEPARTURE _____ BEARING _____ COMPLETED _____

ELEVATION _____ DIP _____ ULTIMATE DEPTH _____

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	OZS. Au	
326.4-327.4	BASALT, WITH 60% QTZ-CARB ALTERATION, MINOR PYRITE.	1576	326.4	327.4	1.0	0.004	
331.5-332.7	BASALT, — 30% CHLORITIC QTZ-CARB STRINGERS	1577	331.5	332.7	1.2	0.028	

DRILLED BY _____

SIGNED CHESTER J. KURYLIW, M.Sc., P.Eng.
CONSULTING GEOLOGIST

APPENDIX

R. Dean Reserve Calculations:

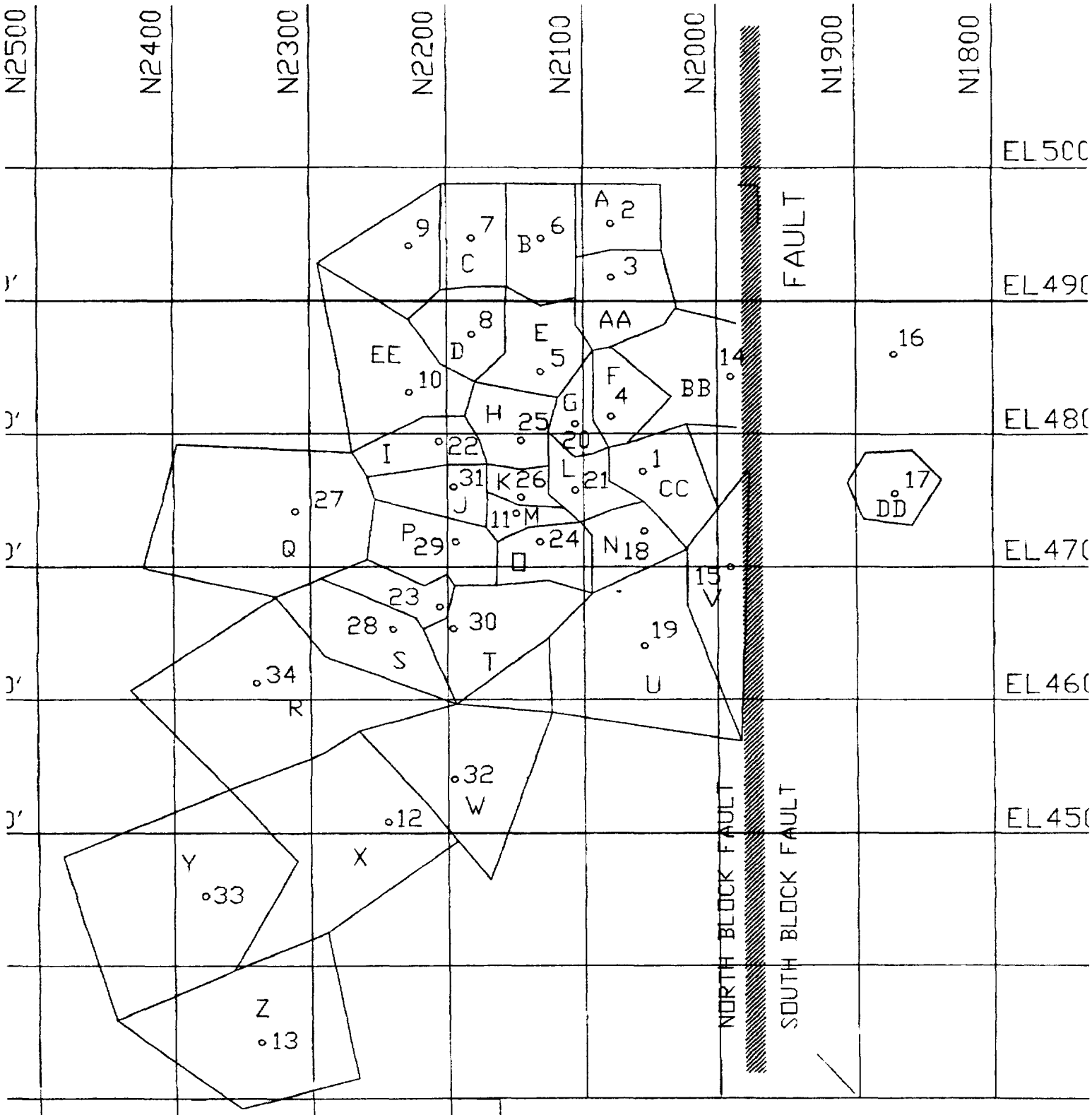
R. Dean, November, 1994, calculated reserves for the Earngey Towbship Property of St. Jude Resources. He included most of the holes in the calculations regardless of grade of intersection. He gave drill indicated reserves of 17,365 ounces of gold in 52,334 tons for an average grade of 0.332 ounces of gold per ton.

St. Jude Resources

Drill Indicated Ore Reserves

S.G. 3 T.F. cu. ft./to 10.68 Au/oz$ $500.00 CDN

Hole #	polygon	area sq. ft	width ft	vol tons	Avg Au oz/ton	Tot Au tons	Tot Au ($)
JR-93-2	A	3190.720	3.000	896.270	0.141	126.374	$63,187.01
JR-93-6	B	4396.240	3.000	1234.899	0.057	70.389	$35,194.62
JR-93-7	C	3783.950	3.000	1062.907	0.158	167.939	$83,969.68
JR-93-8	D	3654.690	3.000	1026.598	0.146	149.883	$74,941.68
JR-93-5	E	4078.600	3.000	1145.674	0.173	198.202	$99,100.81
JR-93-4	F	2674.820	3.700	926.670	1.890	1751.406	$875,703.01
JR-93-20	G	1766.960	5.200	860.318	0.445	382.841	$191,420.67
94-J-2	H	3276.060	3.000	920.242	0.844	776.684	$388,341.94
JR-93-22	I	2832.060	4.300	1140.249	1.832	2088.936	$1,044,467.97
94-J-8	J	2911.490	3.000	817.834	0.194	158.660	$79,329.92
94-J-3	K	1273.890	4.230	504.546	3.680	1856.730	$928,365.23
JR-93-21	L	2448.410	3.100	710.681	0.400	284.272	$142,136.16
JR-93-11	M	1247.980	3.000	350.556	0.650	227.862	$113,930.76
JR-93-18*	N	2933.000	3.000	823.876	0.000	0.000	$0.00
94-J-1	O	2923.000	3.000	821.067	0.385	316.111	$158,055.48
94-J-6	P	4485.380	3.000	1259.938	0.002	2.520	$1,259.94
94-J-4	Q	15324.000	3.000	4304.494	0.067	288.401	$144,200.56
94-J-11**	R	15332.000	3.000	4306.742	0.000	0.000	$0.00
94-J-5	S	5607.190	3.630	1905.815	0.887	1690.458	$845,228.77
94-J-7	T	6049.030	3.000	1699.166	0.713	1211.505	$605,752.58
JR-93-19	U	12339.090	3.000	3466.037	0.042	145.574	$72,786.77
JR-93-15*	V	5060.980		0.000	0.000	0.000	$0.00
94-J-9	W	9560.420	3.000	2685.511	0.016	42.968	$21,484.09
JR-93-12	X	14511.300	3.000	4076.208	0.389	1585.645	$792,822.43
94-J-10	Y	17708.490	3.000	4974.295	0.007	34.820	$17,410.03
JR-93-13	Z	13234.890	3.000	3717.666	0.030	111.530	$55,764.99
JR-93-3	AA	4441.850	3.000	1247.711	0.044	54.899	$27,449.63
JR-93-14	BB	5850.520	3.000	1643.404	0.093	152.837	$76,418.31
JR-93-1	CC	4250.810	3.700	1472.659	1.639	2413.688	$1,206,843.96
JR-93-17	DD	2815.630	0.400	105.454	0.004	0.422	$210.91
JR-93-10	EE	7933.270	3.000	2228.447	0.482	1074.111	$537,055.64
JR-93-16	WOCO BREAK?						
JR-93-9	only a trace in assay		TOTALS	52335.93		17365.67	$8,682,833.55
JR-93-23	stopped short						
*	bent into south block						
**	Lamprophyre Dyke						



ST. Jude Resources

Project: Woco
Drawn by: R. Dean
Date: Nov 3 1994

SCALE 1" = 100'

sect woco vein
oking east

North ← → South

5,000' 2,300N 2,200N 2,100N 2,000N 0' Fault

4,900' 100'

4,800' 200'

4,700' 300'

4,600' 400'

4,500'

4,400'

o2 0.141 / 1.5'

o9 0.065 / 3.0'

o7 0.158 / 1.3'

o6 0.057 / 1.1'

o3 0.044 / 1.5'

A

B

o8 0.146 / 1.0'

C

D

o10 0.482 / 1.0'

o5 0.173 / 0.9'

H

o14 0.093 / 1.3'

E

1.909 22 o / 4.3'

20 o 0.445 / 5.2'

o4 1.80 / 3.7'

25 0.844 / 2.24

G

I

M

F

1 o 1.639 / 3.7'

0.194 / 31 1.76

3.680 / 4.23

26 0.40 / 3.1'

21 o

J

K

27 0.067 / 1.69

L

o11 0.880 / 3.0'

18 o not significant

N Lamprophyre

29 0.002 / 1.55'

24 0.385 / 1.6

15 o 300' not significant

O

23 o Short

P

Q

30 0.713 / 2.54'

28 0.887 / 3.63

19 o 0.042 / 0.7'

lamprophyre dyke 34

32 0.015 / 1.34'

12 o 0.567 / 1.7'

33 0.007 / 1,76'

o13 0.030 / 2.1'

ST. JUDE RESOURCES LIMITED
Earngey Township, Ontario

Vertical Longitudinal Section
Along Woco Vein

4 o - 1993 drill hole

25 ● - (Completed)1994 drill hole

0.800 / 3.0' ounces per ton / true thickness

After:
Alderman
1994

March/94
January/95

52N02SE2018 om94-080 EARNGEY

200

2,000E

2,100E

2,200E

2,300E

5000

4900

4800

4700

4600

BAS

BAS

BAS

SBAS

BAC

BAC

BAC

BAS

1642 - 1651 0.001

94J11

94-5-33

506.0 - 507.5 0.001

507.5 - 508.5 0.020

SBAS

BAC

BAS

94J10

33

SBAS

WOCO BREAK

BAS

93J13

0 50 100 150 ft

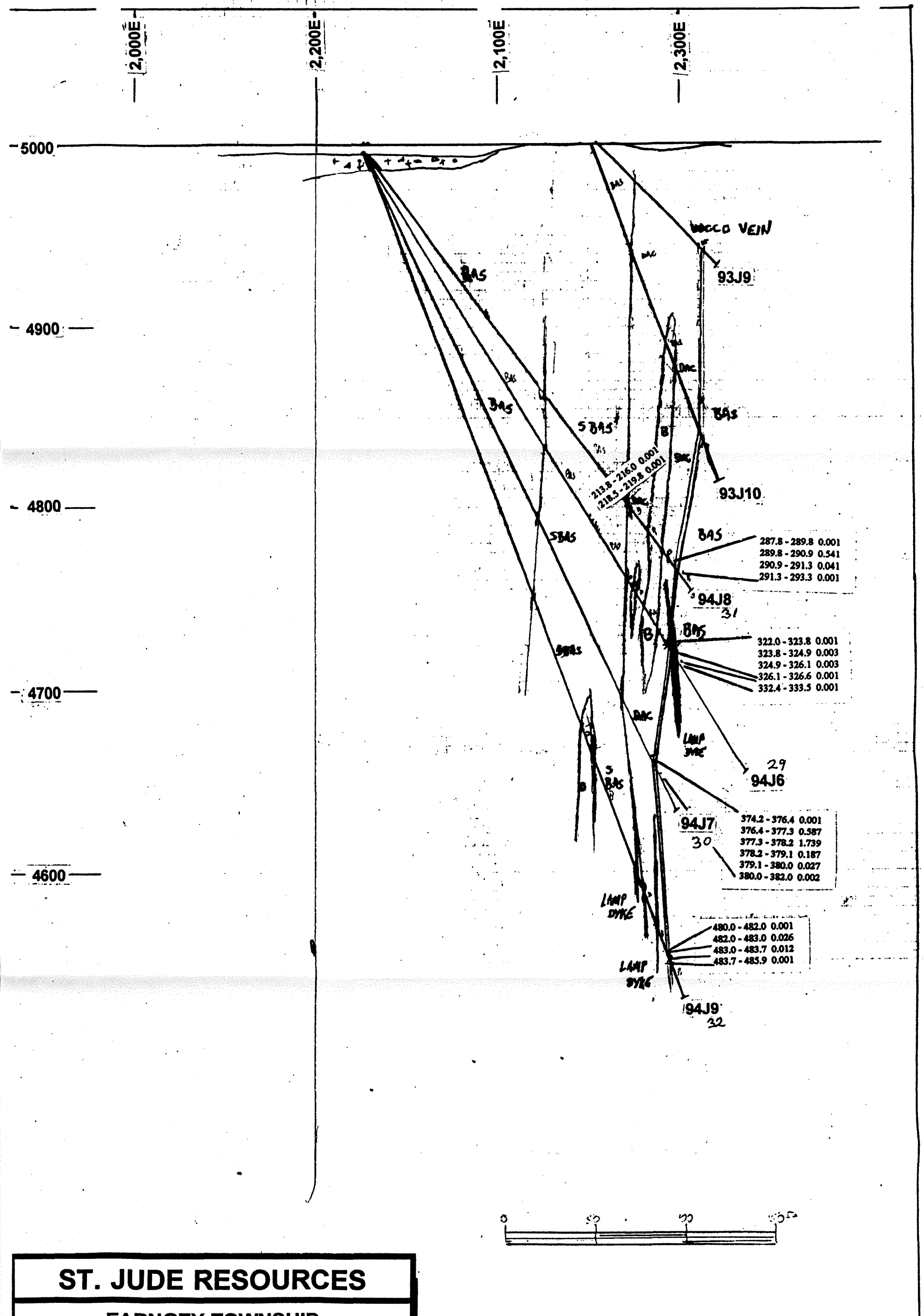
52N02SE2018 om94-080 EARNGEY

210

ST. JUDE RESOURCES

EARNGEY TOWNSHIP
SECTION 23+55N (LOOKING NORTH)
INCLUDES DRILL HOLES 94J 10 & 11

Drawn by: DA	Date: 28/6/94

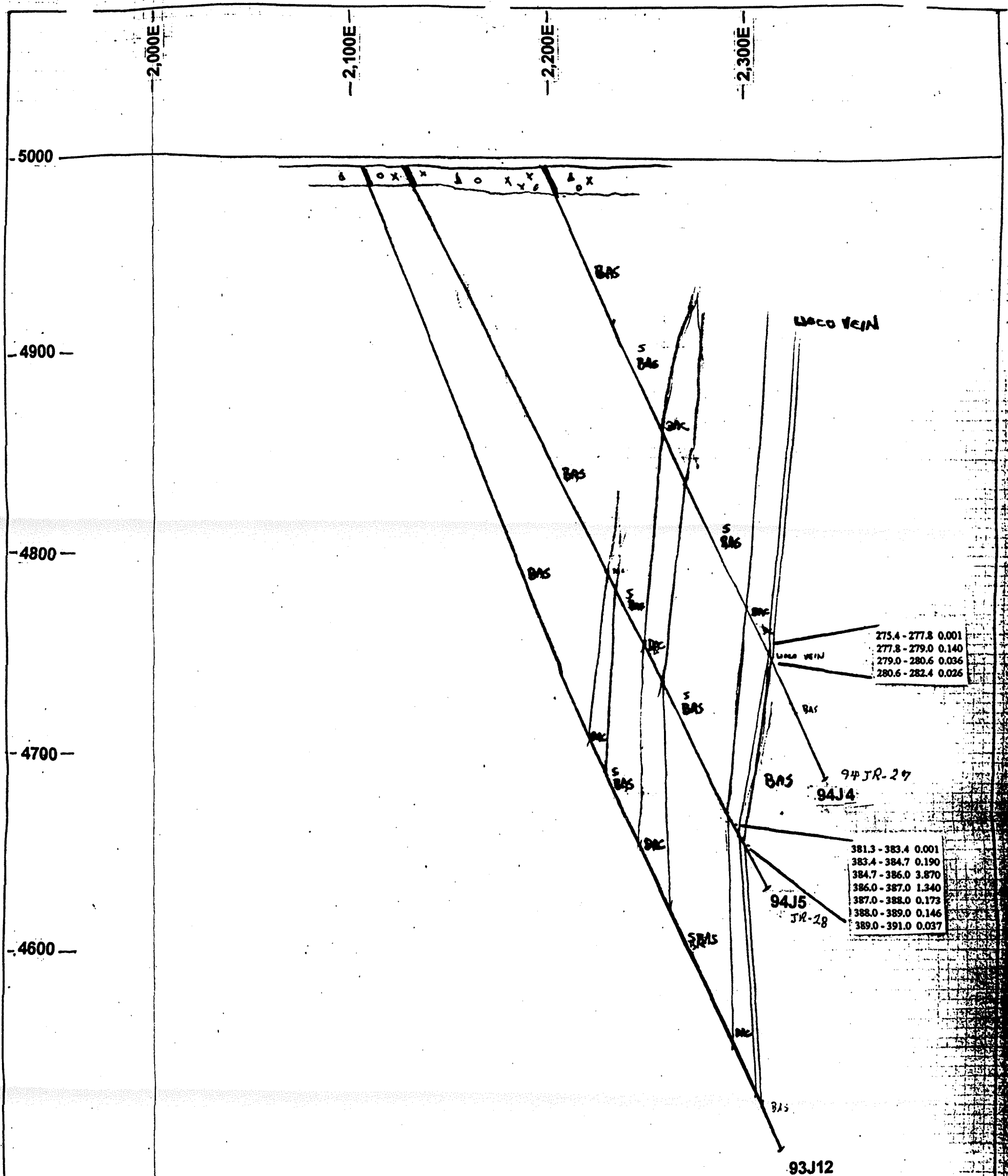


ST. JUDE RESOURCES

EARNGEY TOWNSHIP
SECTION 22+25N (LOOKING NORTH)
INCLUDES DRILL HOLES 94J 6,7,8 & 9

Drawn by: DA	Date: 28/6/94

52N02SE2018 om94-080 EARNGEY



ST. JUDE RESOURCES

EARNGEY TOWNSHIP
SECTION 22+75N (LOOKING NORTH)
INCLUDES DRILL HOLES 94J 4 & 5

Drawn by: DA

Date: 28/6/94

2,000E

2,100E

2,200E

2,300E

5000

4900

4800

4700

4600

LUCA VEIN

93J6

93J5

94J2

2.5

94J3

2.6

94J1

2.4

240.4 - 242.9	0.004
242.9 - 243.9	2.241
243.9 - 244.9	1.040
244.9 - 246.2	0.048
246.2 - 248.0	0.006
274.0 - 276.3	0.001
276.3 - 277.3	1.796
277.3 - 278.3	0.390
278.3 - 279.3	10.259
279.3 - 280.3	2.426
280.3 - 281.3	6.042
281.3 - 282.3	3.188
282.3 - 283.2	4.555
283.2 - 286.0	0.001
323.7 - 325.3	0.001
325.3 - 326.3	0.973
326.3 - 327.3	0.182
327.3 - 328.3	0.001
328.3 - 329.5	0.001
329.5 - 331.5	0.001

0 50 100 150m

52N02SE2018 om94-080 EARNGEY 240

ST. JUDE RESOURCES

EARNGEY TOWNSHIP
SECTION 21+25N (LOOKING NORTH)
INCLUDES DRILL HOLES 94J 1,2 & 3

Drawn by: DA	Date: 28/6/94