REPORT

ON

NICKEL OFFSETS LIMITED

Tully Township

PORCUPINE MINING DIVISION

ONTARIO

31 October, 1980

Chester J. Kuryliw, M.Sc., P.Eng.
Consulting Geologist

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SUMMARY

The Nickel Offsets gold deposit in the Timmins area was discovered in 1969 by McIntyre Mines Ltd. while drill testing a graphitic E-M conductor under deep overburden. McIntyre drilled 21 holes that totaled 13,206 feet over a strike length of 1,400 feet. In the first quarter of 1980 Nickel Offsets drilled that gold deposit over a length of 1,000 feet with 17 holes that totaled 10,106 feet. Towards the end of that program the pattern of the gold bearing structures was recognized. This allowed for an informed correlation of drill intersections and clarified their significance.

The 1,000 foot length of the gold deposit drilled to a depth of 600 feet was used in the calculation of ore reserves. It is worth stating that the gold bearing structures are open down rake at -20° eastwards. Ore calculations, evaluations and geologic projections. Exact grades and tonnages are difficult to pin down due to the distribution of coarse gold and the selective mining recommended to mine enrichments within the structures.

"PROBABLE" ORE RESERVES

With 20% dilution is 300,000 tons at an 0.25 to 0.30 oz. Au. per ton range.

More exact grades and tonnage figures await underground development and milling of a tonnage of ore.

This writer concludes that the recommended 2½ year, $10 million program proposed in this report is warranted, it will result in a comprehensive exploration and development program of the gold deposits prepared for stoping and production.

There exists the option to complete the program in two stages by initially carrying out the first stage of the 2½ year proposed schedule. The first stage consists of a program of 10,000 feet of surface diamond drilling that will be guided by the recently recognized structure of the ore deposits. The objective of this drilling is to provide additional data to establish grades and tonnages and to enlarge the total ore reserves.

Summary - continued

At a $700 Canadian price for an ounce of gold the gold recovery at 90% would amount to $163.80 per ton. The estimated costs of mining, haulage and custom milling at the rate of 100,000 tons per year is $61.50 per ton. The current probable ore reserves would provide an operating profit of $10,230,000 per year for three years.

CONCLUSIONS

This writer concludes that the $2\frac{1}{2}$ year \$10 million program proposed herein will result in a comprehensive exploration and development of the gold deposits to a point ready for stoping and production.

There exists the option to complete the program in two stages by initially carrying out the first stage of the $2\frac{1}{2}$ year proposed schedule. The first stage consists of a program of 10,000 feet of surface diamond drilling that will be guided by the recently recognized structure of the ore deposits. The objective of this drilling is to provide additional data to establish grades and tonnages and to enlarge the total ore reserves.

The current probable ore reserves diluted by 20% should provide 300,000 tons at 0.26 oz. Au. per ton at 90% recovery and \$700 (Can.) gold. The recovered value of gold per ton would be \$163.80. The estimated costs of mine operating, haulage and custom milling amounts to \$61.60 per ton. At 100,000 tons of stope muck milled per year an operating profit of \$10,230,000 can be realized per year for three years. There is good geologic evidence that the known pattern of gold bearing structures will extend beyond the explored area.

The speculative risk in the case of this property is reduced because with a custom mill available, if much went wrong, even as little as 1/3 of the known probable reserves would generate sufficient funds for recapture of the risk capital.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

Oct. 31, 1980 — Chester J. Kuryliw, M. Sc. P. Eng.

RECOMMENDATIONS AND COST ESTIMATES

A program of underground exploration and development that will prepare the Gold Deposits for stoping is strongly recommended as presented in this report.

Stage I	Diamond drilling, 10,000 feet	$ 250,000.
	Staff, supervision and General Costs	50,000.
	Allowance for contingencies and working capital	75,000.
	Est. total Stage I	$ 375,000.
Stage II	Road Construction	286,000.
	Power line construction	250,000.
	Yard fill	66,000.
	Transformer station installation	100,000.
	Water system	25,000.
	Collaring shaft	750,000.
	Sinking shaft to 1,050' plus stations and loading pocket	1,600,000.
	Underground exploration and development	2,000,000.
	Plant buildings and structures	1,135,000.
	Staff, supervision and General costs	1,535,000.
	Capital equipment for underground stope mining	527,000.
	Sub total	8,274,000.
	Allowance for contingencies 20.8%	1,726,000.
	Est. total Stage II	10,000,000.
	Est. total Stages I & II	$ 10,375,000.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

Oct. 31, 1980

Chester J. Kuryliw, M. Sc. P. Eng.

CERTIFICATE

I, Chester J. Kuryliw of 509, 652 MacDonald Ave., Sault Ste. Marie, Ontario, do hereby certify that:

(1) I am a Professional, Engineer and I am currently employed as a Consulting Geologist for several mining companies and the Indian Minerals Branch of the Canadian Government.

(2) I am a graduate of:
The University of Manitoba B.Sc. Degree, 1949.
The University of Manitoba M.Sc. Degree 1966.

(3) I am a registered Engineer of the Association of Professional Engineers of Ontario and also Manitoba. I am a fellow of the Geologic Association of Canada, also a member of the Canadian Institute of Mining and Metallurgy.

(4) I have practiced my profession for over 31 years, most of those years at gold mines, during which time I often planned, supervised and directed underground exploration, development and production.

(5) My Report is based upon visits I made to the Tully Twp. drilling site during the 1980 drilling program. As the Acting Consulting Geologist I examined the drill core and consulted on the planned drilling program. I have studied, evaluated, replotted and incorporated all drill logs from 1969 and I have included these in this report.

(6) I do not own or expect to receive any shares or interest in Nickel Offsets Limited.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

October 31, 1980

Chester J. Kuryliw P.Eng.

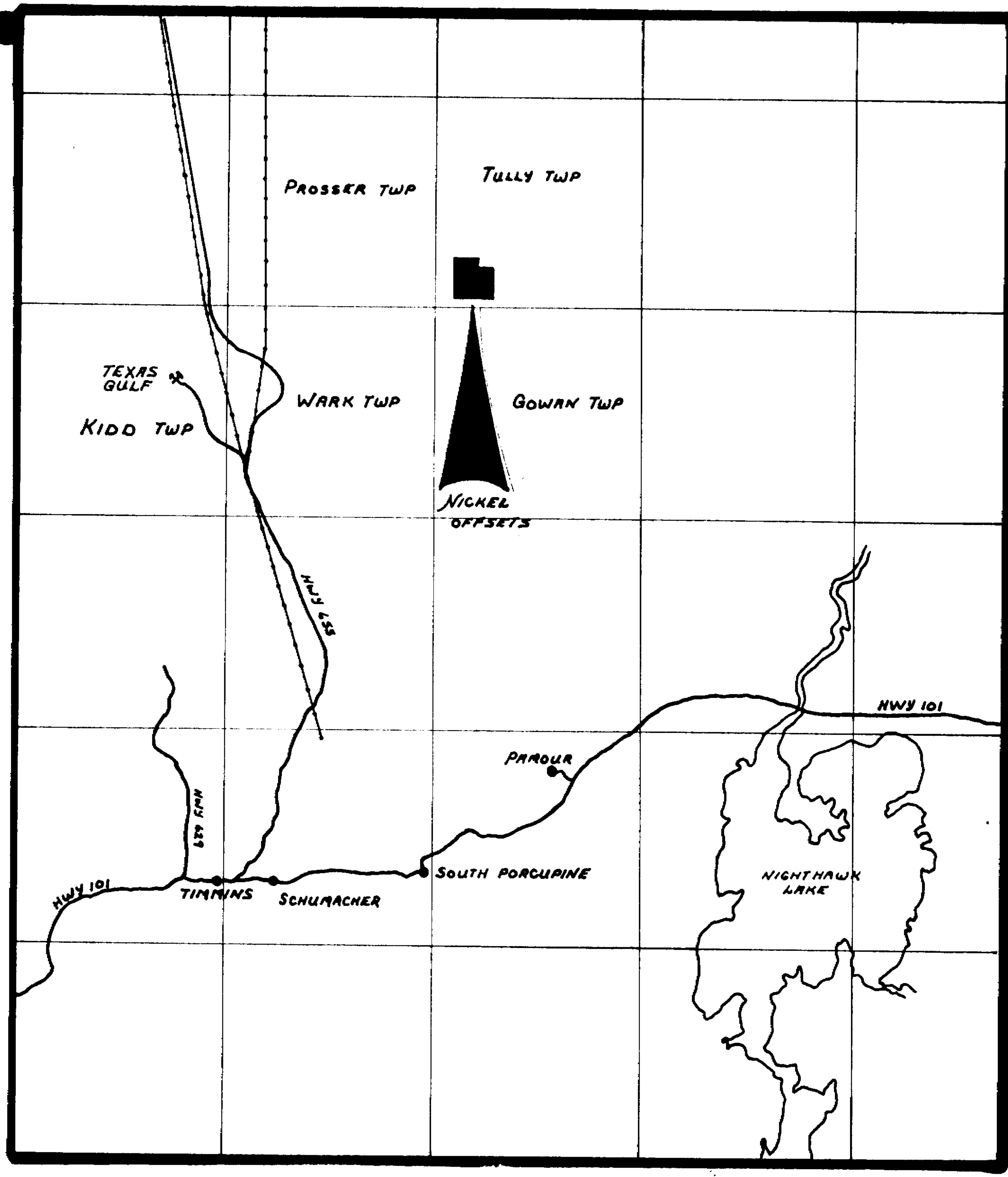
CONSENT

I, Chester J. Kuryliw M.Sc. of the city of Sault Ste. Marie, Ontario, Professional Engineer, HEREBY CONSENT to the filing with the Ontario Securities Commission, the Toronto Stock Exchange and the Directors of Nickel Offsets Limited my report on that company's property in Tully Township, District of Timmins in Ontario and to the publication of the report dated October 31, 1980

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

Chester J. Kuryliw P.Eng.

Sioux Lookout, Ontario
October 31, 1980



NICKEL OFFSETS LTD.

LOCATION MAP

SCALE 1" = 4 MI.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

oct 31 1980

INTRODUCTION AND HISTORY

This writer was commissioned by Stephen Kay, President of Nickel Offsets Limited to write this report.

This writer is intimately familiar with the 1980 winter drilling program having acted as Consulting Geologist involved in planning, core examinations and evaluation of drilling results. This writer brings 31 years of experience in the surface and underground exploration, development and selective stoping in gold mines of Northwestern Ontario.

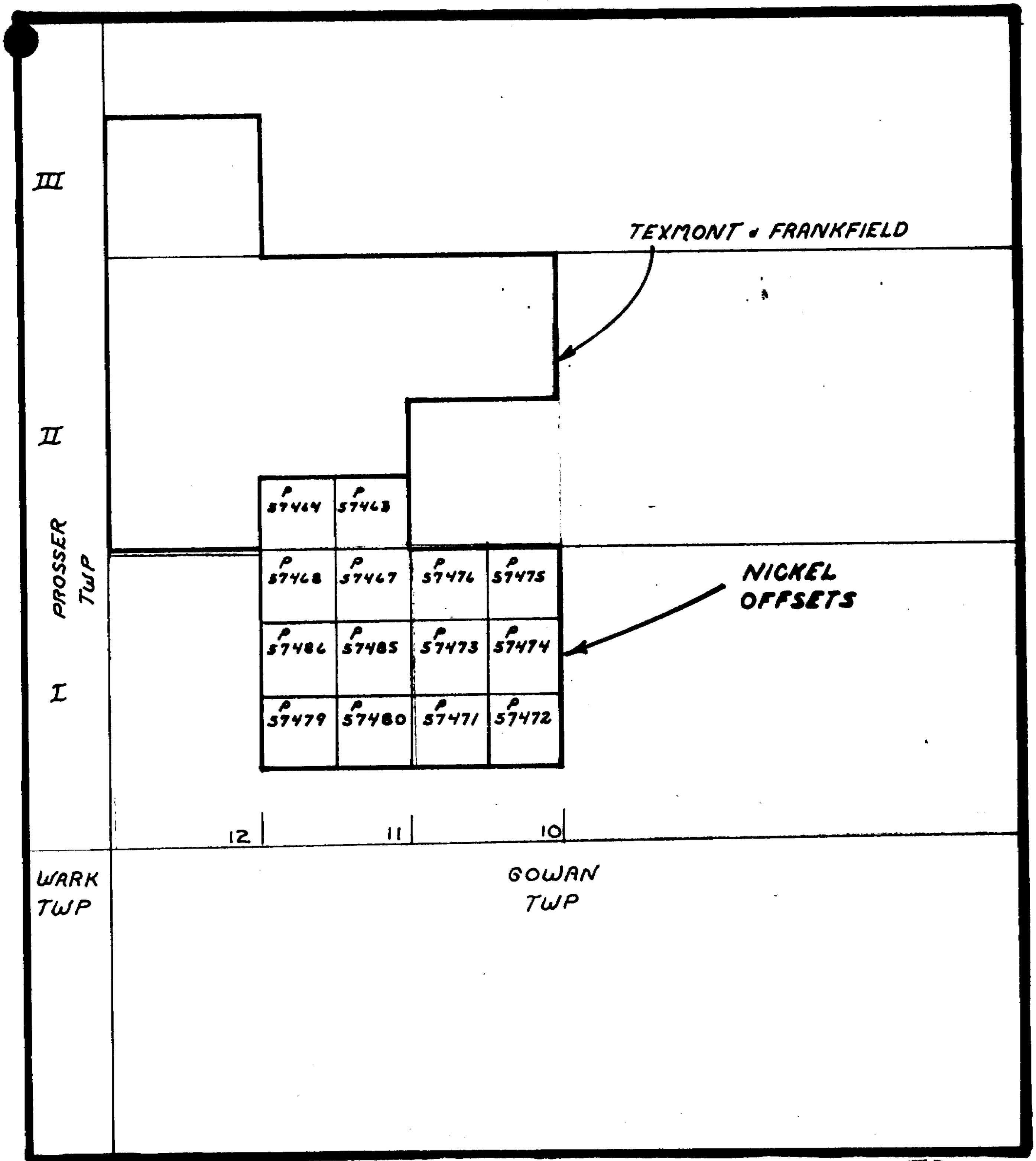
This gold deposit was discovered under its deep cover of overburden by McIntyre Mines during a drilling program carried out in 1969, which was at first directed to test on E-M conductor during the heightened exploration activity that followed the Texas Gulf Base Metal Mine discovery in Kidd Township. The conductor proved to be graphite in a bed of andesitic tuffs about 125 feet thick caught between argillite to the north and peridotite to the south. Visible gold was discovered in the core by the McIntyre geologist so that a program of drilling to test the gold deposits was carried out. A total of 13,206 feet was drilled in 21 holes spread over a strike length of 1/4 mile.

Nickel Offsets Limited carried out a winter drilling program over the gold bearing tuffs under swampy terrain, during the first quarter of 1980. John McMullen was Resident Geologist in charge of the field drilling program that totaled 10,106 feet, from 17 diamond drill holes.

It was near the termination of that drilling program that it was recognized that the set of quartz fractures that carried visible gold in the core had an orientation in variance with the attitude of the bedding of the andesitic tuff host rock. By using the newly determined orientation of the gold bearing structures and projecting the better intersections revealed that repetitive sets of en-echelan structures occur at acute angles across the tuff in both strike and dip. The last two holes, numbers: 16 and 17, were directed to stay in the host tuffs and cross the en-echelon sets of structures. These holes tested and supported the new theory of the structural pattern. These three holes which include drill hole No. 69 - 21 drilled by McIntyre now form the basis of much of the interpretations of the habit and distribution of the gold bearing structures, which can be projected to incorporate gold bearing intersections in drill holes.

THE PROPERTY

The Nickel Offsets Mine Limited property consists of 14 fully owned patented claims of 40 acres each in the southwest corner of Tully Twp. District of Porcupine, Ontario.



NICKEL OFFSETS LTD.
CLAIM GROUP
TULLY TWP., ONT.

SCALE 1" = ½ MI.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLAW
PROVINCE OF ONTARIO

Oct 31 1980
C.J.K.

57463	Con.	2	Lot	11	Tully	Twp.,	Ontario.
57464	"	1	"	11	"	"	"
57467	"	1	"	11	"	"	"
57468	"	1	"	11	"	"	"
57471	"	1	"	10	"	"	"
57472	"	1	"	10	"	"	"
57473	"	1	"	10	"	"	"
57474	"	1	"	10	"	"	"
57475	"	1	"	10	"	"	"
57476	"	1	"	10	"	"	"
57479	"	1	"	11	"	"	"
57480	"	1	"	11	"	"	"
57485	"	1	"	11	"	"	"
57486	"	1	"	11	"	"	"

LOCATION AND ACCESSABILITY

The Nickel Offsets proposed site, is located about one mile N.E. of the south west corner of Tully Twp. The proposed shaft site is located about 9 miles E.N.E. of the Texas Gulf Mine in the Kidd Twp. It is 18 miles N.N.E. of the town of Timmins as the crow flies.

The proposed road construction route chosen is across Wark Twp. for 6½ miles in a straight line, that will also be followed by the proposed hydro power line. The new road to be constructed will branch from the nearest point on the driftwood road which joins with paved highway 655, three miles to the south, which in turn joins highway 105 at Timmins. This proposed road provides the shortest access to the Pamour Custom Mill, a distance of 24 miles.

GEOLOGY

The Nickel Offsets property is underlain by steep dipping East-West trending precambrian rocks that are a part of the Timmins-Porcupine volcanic-sedimentary belt. That belt is one of the largest in the Canadian precambrian shield and it contains a large number of major successful lode-gold producing mines, many of the present and past gold mines in the Timmins-south Porcupine-Pamour area appear to be spaially related to the E-W trending Destor-Porcupine fault which extends 200 miles on strike. The Nickel Offsets gold deposit lies about 15 miles north of the Destor-Porcupine fault, it also lies 8 miles E-N-E of the large Texas Gulf Base metal-silver Mine in Kidd Twp.

The Nickel Offsets gold deposit occurs within a finely banded andesitic tuff formation that averages 125 feet thick. The tuffs trend E-W, dip steeply northwards and lie between a broad formation of finely banded argillite to the north and a peridotite (with talcose alteration) to the south. The surface terrain surrounding the Nickel Offsets property over a 6 mile radius is wet and swampy and almost devoid of outcrops. The rocks are overlain by deep overburden. The steep dipping tuffs undulate along their E-W trend to accommodate the northern rim of the intruding peridotite.

One major fault set has been recognized, it is essentially a branching set of faults that cuts flatly across the tuffs at about the 300' to 400' foot depth horizon. That fault set is marked by the presence of graphite along the fractures. On vertical cross-section 43-E where 5 drill holes provide a detailed section, the displacement in the N-S direction is in the order of 20 feet, the fault dips about 45° northwards. The dip of the tuff formation changes from vertical in the upper fault block to -85° north in the lower fault block. It is this graphitic fault set that provided an E-M conductor drilling target in 1969, that resulted in the discovery of this gold deposit. This fault set appears to rake eastwards across the tuffs at about -20 to -25° but this is not traced with any certainty. There is a good possibility that the stresses that produced this fault set, also produced the gold-bearing subsidiary quartz-filled fracture set.

THE GOLD DEPOSITS

The gold bearing structures consists of a set of quartz filled fractures mineralized with coarse visible gold. The quartz-filled fracture sets occur as "vein-trends" that strike E-N-E which is obliquely across the E-W trend of the tuffs. The "vein-trends" dip 50° to 60° northwards and they rake at about -20 eastwards. At least 5 such "vein-trends" have been located by the drilling programs. The average "vein-trend" dimensions are 8' to 12' thick. Each "vein-trend" extends 200 feet along dip and at least 1000 feet along the rake trend which is still open down rake eastwards. These "vein-trend" attitudes are conformable with the graphitic fault formed subsidiary fractures and also provided the mineralizing channelways.

The gold bearing quartz filled fracturing extends for at least 200 feet below and 300 feet above the graphitic fault. Such fault related mineralization commonly extends over great distances, so that this is encouraging for extensions of the mineralized structures down rake eastwards at grater depths which is yet to be tested.

MINERALIZATION IN THE GOLD DEPOSIT

The tuffs ore host to several periods of fracturing that are filled with quartz and some related pyritic mineralization, and several orientations of fractures criss cross the core. It required a careful examination of the core from the first dozen drill holes in the 1980 drilling program with a sufficient number of visible gold occurrences noted before it could be recognize, that the visible gold always occurred in a set of quartz filled fractures with a similar orientation. A determination of that orientation was possible from core examination because the finely banded wall rock tuff and drill hole core direction was known, this fixed the orientation of the visible gold bearing fractures as having a E-N-E strike, a -50° to -60° dip northwards and about a -20° rake eastwards.

Traces of base metal mineralization were noted in the drill core, these consist of sphalerite, chalcopyrite, galena and rarely arsenopyrite. Some hairline fractures carry graphite. Pyrite is ubiquitous and amounts to about 1 to 2% of the "vein-tren" structures. There is no obvious relationship between sulphide mineralization and gold mineralization, but there is a spatial relationship of some graphite filled fractures with the gold mineralization.

The bulk of the gold content occurs as coarse, free visible gold, commonly in the ½ to 1 mm. diameter range. This causes difficulty in determining calculated ore grades. In the 1980 drilling program over 2000 core assays were taken, in core samples where visible gold was noted, the greater number of assays did not reflect the gold content but indicated the background gold content which is in the .02 to .04 ounce gold per ton range. The assays that did reflect the visible gold content commonly ran over an ounce. More consistent assay results were later obtained by pulverizing the whole core sample prior to quartering and selecting the assay portion.

ORE RESERVE GRADE CALCULATIONS

38 drill holes were drilled across a strike length of 1400 feet at sections 100 feet apart from 3600'E to 5000'E, with the bulk of the drilling centered over a 1000 foot length from 3800'E to 4800'E. This information together with the understanding of the habit of the ore structures would ordinarily allow calculations to be reported in the "possible ore" category as defined. However, this writer is beset with a background of experience in selectively mining gold bearing structures that carry coarse gold and a knowledge of the hazards of grade determinations so that the "probable ore" category leaves this writer with more of the latitude necessary for a qualitative evaluation.

The occurrence of gold mineralization largely in the form of coarse visible gold gives an exact mathematically calculated grade result a prominence that figure does not deserve. Any calculation is at best a qualitative not a quantitative figure that relates to the actual grade. Coarse gold noted in drill core was frequently missed by sample portioning using established assaying techniques, it also follows that the drill core may have missed the coarse gold as it traversed the structure. The dilemma is further compounded by the fact that core samples carrying a spot of visible gold either ran background value or gave a high assay. To "cut" or "not to cut" assays or by how much becomes an additional problem. The return of high assays over a section of core in a "vein-trend" structure is always a positive indication of the presence of gold, though the assay grade figures are not in exact relation to the structure. An intersection through the structure that showed only background values is not neccessarily a negative factor, either the core or assay portioning techniques may have missed the gold present in the structure.

Underground development and the milling extraction from a tonnage of ore is neccessary to establish true grade. Nevertheless a qualitative assessment combined with a calculation of drill hole intersection grades can be arrived at a quantitative assessment of the tonnage potential is simpler, when projections of the structures are applied.

ORE RESERVES

The 1000 foot length drilled from 38E to 48E down to a depth of 600 feet have been calculated and evaluated by this writer to provide the following "probable" ore reserves. Two choices for the same deposit are here presented below.

Choice I "Probable"Ore Reserves

(For a bulk mining of the gold bearing structures)

(1) 750,000 tons with an 0.12 to an 0.16 oz. gold per ton range.

Choice 2 Probable"Ore Reserves

(By the selective mining of enriched portions of structures)

250,000 tons with an 0.20 to an 0.50 oz. gold per ton range.

Add 20% dilution of 0.03 background grade.

Total = 300,000 tons at 0.25 to 0.30 oz. gold per ton.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

October 31, 1980

Chester J. Kuryliw

PROPOSED ROAD CONSTRUCTION

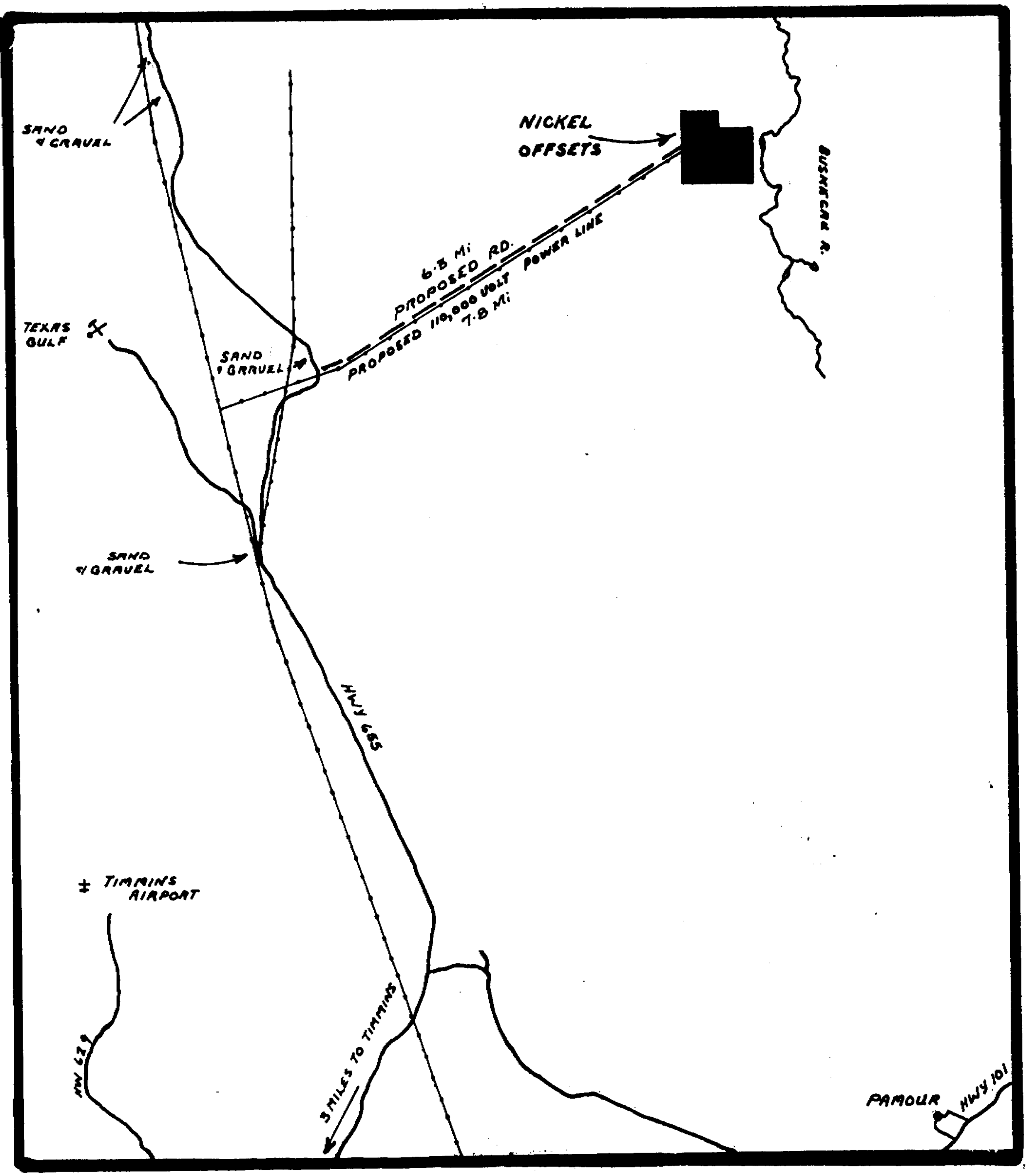
The terrain to be crossed is flat and largely swampy. The access road proposed will consist of a 12' wide crown of granular "A" gravel that tops a sand base 4 to 5 feet deep. About 90 cubic feet of sand base fill will be required for each foot of advance. About 10 cubic feet of crown gravel will be required for each foot of advance. A sand and gravel deposit is conveniently located at the starting point of the proposed road. The proposed route will have to be surveyed, and cleared of brush and timber over a width of 100 feet to accommodate both the road and parallel hydro power line.

Estimated Costs:

Road survey line - 8 miles	$	6,000.
Clearing of 33,500 feet roadway (77 acres)		39,000.
Road base construction material, 112,000 Yds. of granular "C" sand base		196,000.
Loading, spreading, haulage, royalty at $ 1.75 per yard.		
Road Crown construction - 15,000 yards granular "A" gravel, royalty, loading, haulage and spreading at $ 3.00 per yard.		45,000.
Total road construction cost		286,000.

PROPOSED POWER LINE CONSTRUCTION

The proposed route of the hydro power line installation will start from the existing 110,000 volt power line and end at the proposed shaft site and will follow along the new road. The power line will have been cleared along the road way, but an additional 8,200 feet of line brushing and clearing over a 60 foot width is needed to connect with the existing power line.



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PROPOSED ROAD & POWER LINE

SCALE 1" = 2 MI.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
C.J.K.
PROVINCE OF ONTARIO

C J Kuryliw
Oct 30 1980

Estimated Costs:

Clearing and brushing from existing 110,000 volt power line to the start of the new road (11 acres)	$ 5,500.
7.8 miles of power line installation complete at $ 30,000 per line mile	234,000.
Surface rights of access (88 acres)	10,500.
Total cost of power line installation	$ 250,000.

TRANSFORMER STATION

The transformer station installed will reduce the voltage from 110,000 down to 2300 volts. with a 3000 K.V.A. capacity.

Total cost installed	$ 100,000.

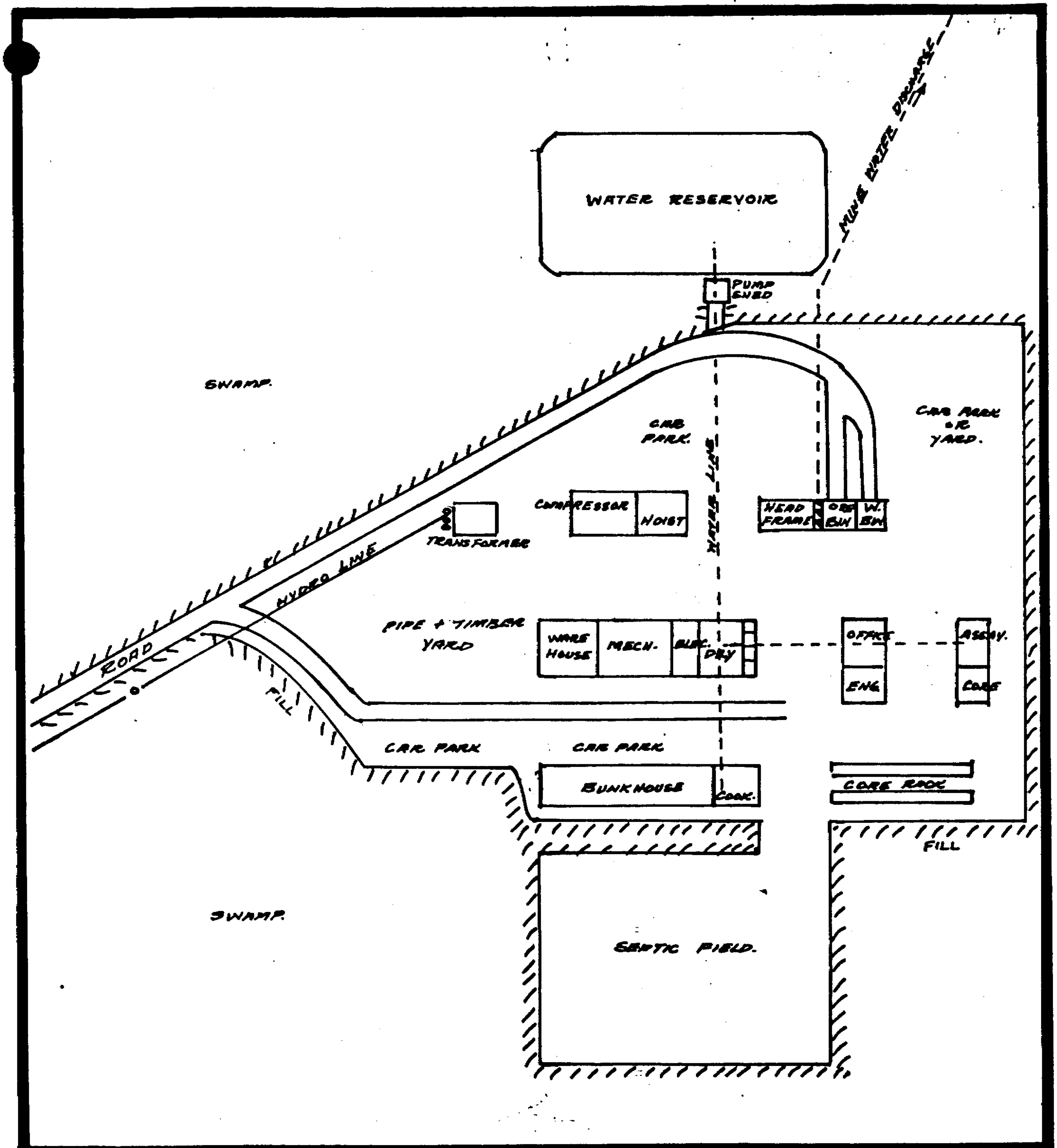
PROPOSED YARD AND SEPTIC FIELD FILL

The shaft site and the plant site has been chosen where the outcrop depth is at a minimum and the shaft is central to and nearest the gold deposits. This site is flat muskeg terrain, and will require sand fill over a minimum area that will accomodate the required plant buildings and yard area.

Estimated costs of yard and septic fieldfill: 27,500 Yds. of sand base to a depth of 4 to 5 feet. Royalty, loading, haulage and spreading at $ 2.00 per yard.	$ 55,000.
3,000 Yds. of crown gravel	11,000.
Total cost of fill	$ 66,000.

PROPOSED WATER SYSTEM

A water reservoir with a proposed capacity of ½ million gals. is required to provide fire protection and use in underground water line, the mine dry but not as drinking water. The surrounding wet muskeg ground will provide a replenishing source of ground water that will seep into the excavated reservoir.



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PLANT LAYOUT

SCALE: 1" = 100'

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C. J. KURYLIW
PROVINCE OF ONTARIO

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Oct 31 1980

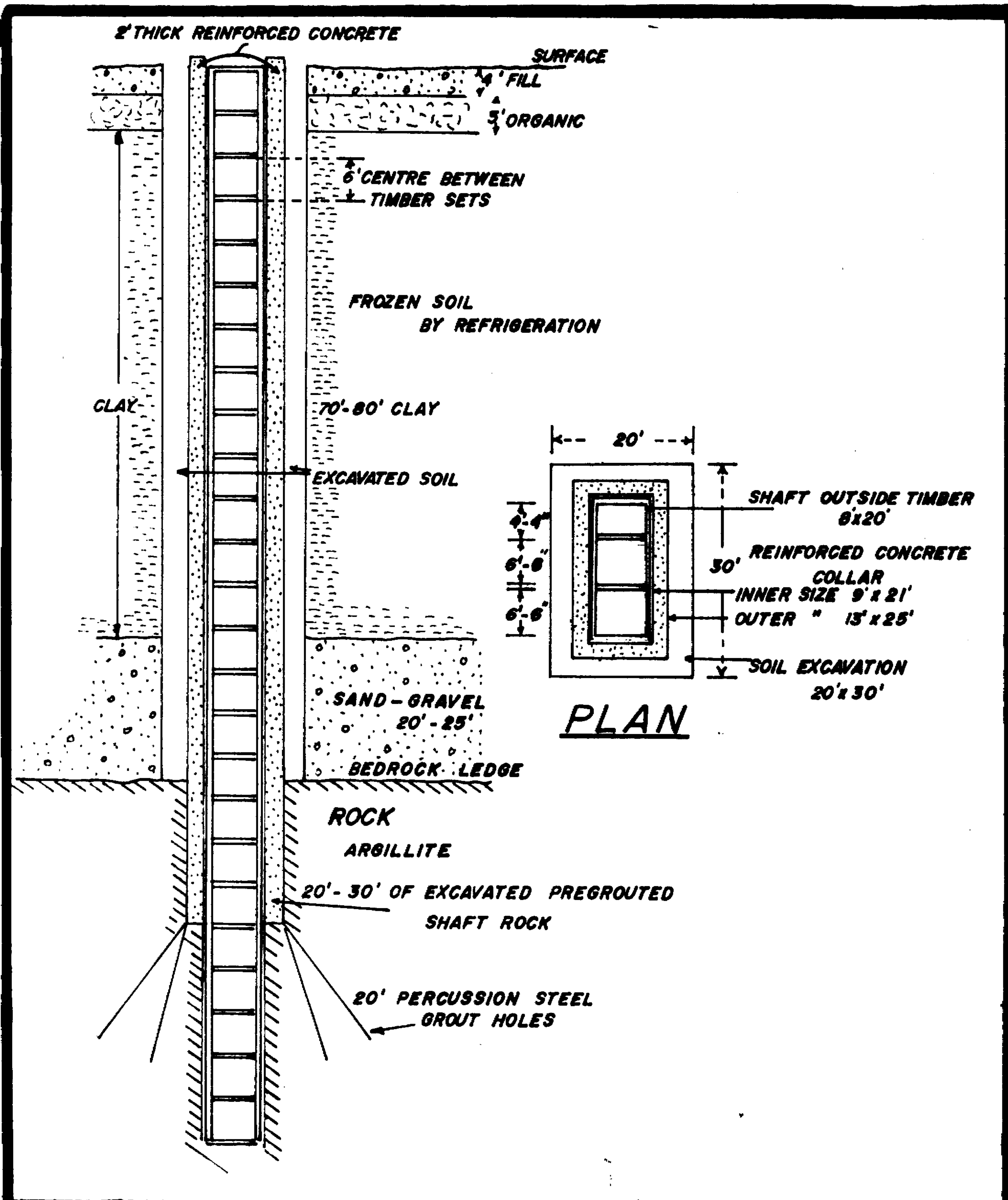
Proposed excavation 200' x 100' and 10' to 15' deep, (10,000 Yds.)		
Reservoir Excavation - Estimated cost -	$	10,000.
Presure pump installation in a shed and pipe lines - estimated cost -		10,000.
Mine water discharge line		5,000.
Total	$	25,000.

PROPOSED PLANT BUILDINGS, STRUCTURES AND COSTS

(1)	Mechanical - Electrical - Dry - Warehouse Bldg. 150' x 40' Butler Bldg. type construction $	150,000.
(2)	Bunkhouse - Cookery Bldg. 150' x 28'	135,000.
(3)	Office and Engineering Bldg. 60' x 28'	60,000.
(4)	Assay office - Core shack Bldg. 50' x 20'	35,000.
(5)	Hoist - Compressor Bldg. 32' x 80'	75,000.
(6)	Headframe materials and erection	50,000.
(7)	300 ton ore bin, timber and plant construction	20,000.
(8)	150 ton waste Bin	10,000.
(9)	Reinforced concrete base pads is an additional cost at that swampy site. Total=750 Yds. at 100/yard installed	75,000.
	6' drum, 450 H.P., used hoist, installed	150,000.
	3 used compressors, 5000 CFM, total capacity installed	150,000.
	1 cage and 2 skips (used)	75,000.
	Assay office equipment, mechanical and electrical tools, warehouse parts, miscellanous	50,000.
	Total	1,135,000

PROPOSED SHAFT

A vertical 3 compartment shaft was chosen with outside timber dimensions of 8' x 20'. The site chosen is at coordinates 4400E and 400N. This site combines features of the shallowest overburden (95 feet) and is located 200 feet north of the gold bearing tuff. This allows room for the installation of ore and waste passes, their grizzlys and the



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VERTICAL SECTION
PROPOSED SHAFT COLLAR

SCALE 1" = 20'

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C. J. KURYLIW
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Oct 21
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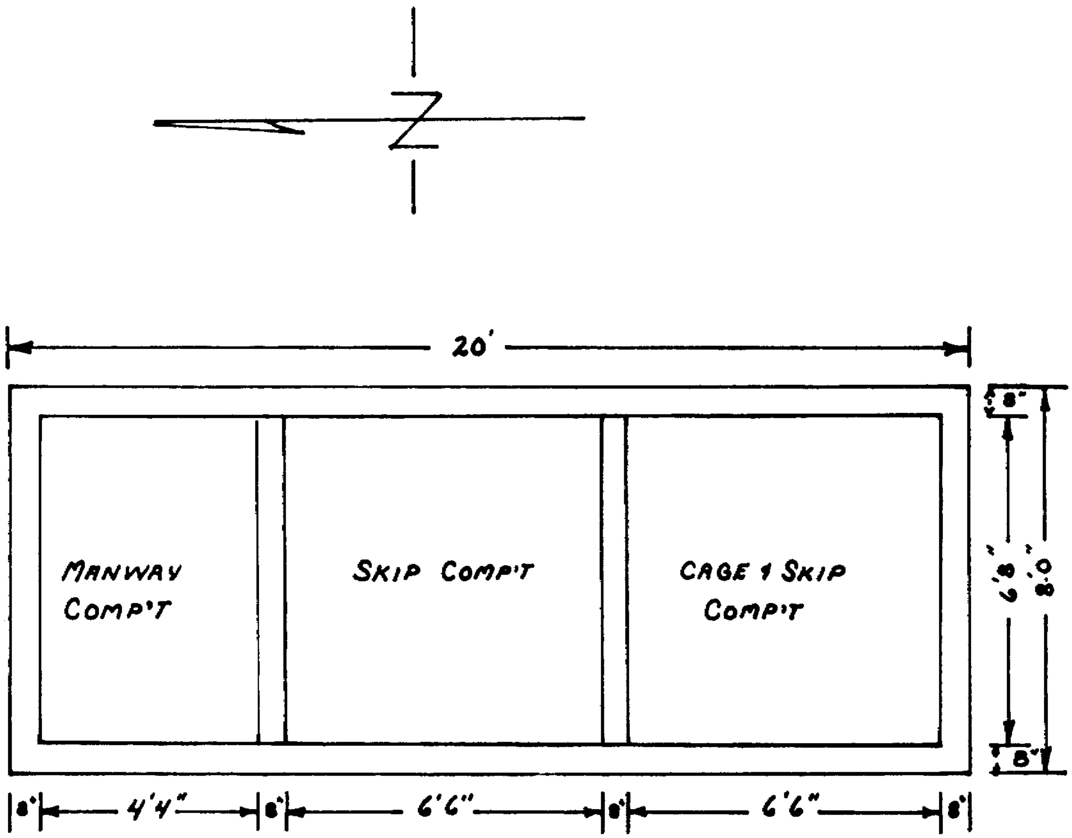

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CROSS SECTION

PROPOSED SHAFT DIMENSIONS

SCALE 1" = 4'0

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW

Oct 31 1980

crosscuts in the competent argillite. The chosen shaft site is located central to the known length of the gold deposits as explored to date. This will keep haulage distances to less than 800 feet. The proposed shaft site is safely removed at 200 feet from mining activity in the tuffs and it is located in a competent argillite. The long axis of the shaft is oriented to cut across the near vertical E-W trend of argillite. This orientation should reduce rock bolting requirements and costs of sinking. Shaft stations, crosscuts, ore and waste passes and their grizzlys will all be located in the more competent argillite.

COLLARING THE SHAFT

The shaft will be collared with a two foot thick reinforced concrete wall, with inside dimensions of 9' x 21', it will traverse through 95 to 100 feet of overburden and extend down about 25 feet into pre-grouted rock and then grout sealed. Controlled excavation of the overburden to collar the shaft with a reinforced concrete lining, is costly. The least costly method consists of drilling the overburden and filling these with a connected ring of pilings to isolate the core of overburden at the shaft site. The core of overburden is then excavated with a long boom dragline, the bedrock is then blasted and the reinforced concrete shaft lining is collared and constructed. This method could be completed with timbering for $ 5000, per foot, over a time period of 3 months.

A second method consists of pre freezing the overburden through pre drilled piping in overburden, then excavation, followed by the installation of a reinforced concrete shaft lining. This method will cost about $ 10,000 per foot and will take 6 months to complete.

The Piling Method is proposed and recommended.

COST OF COLLARING THE SHAFT

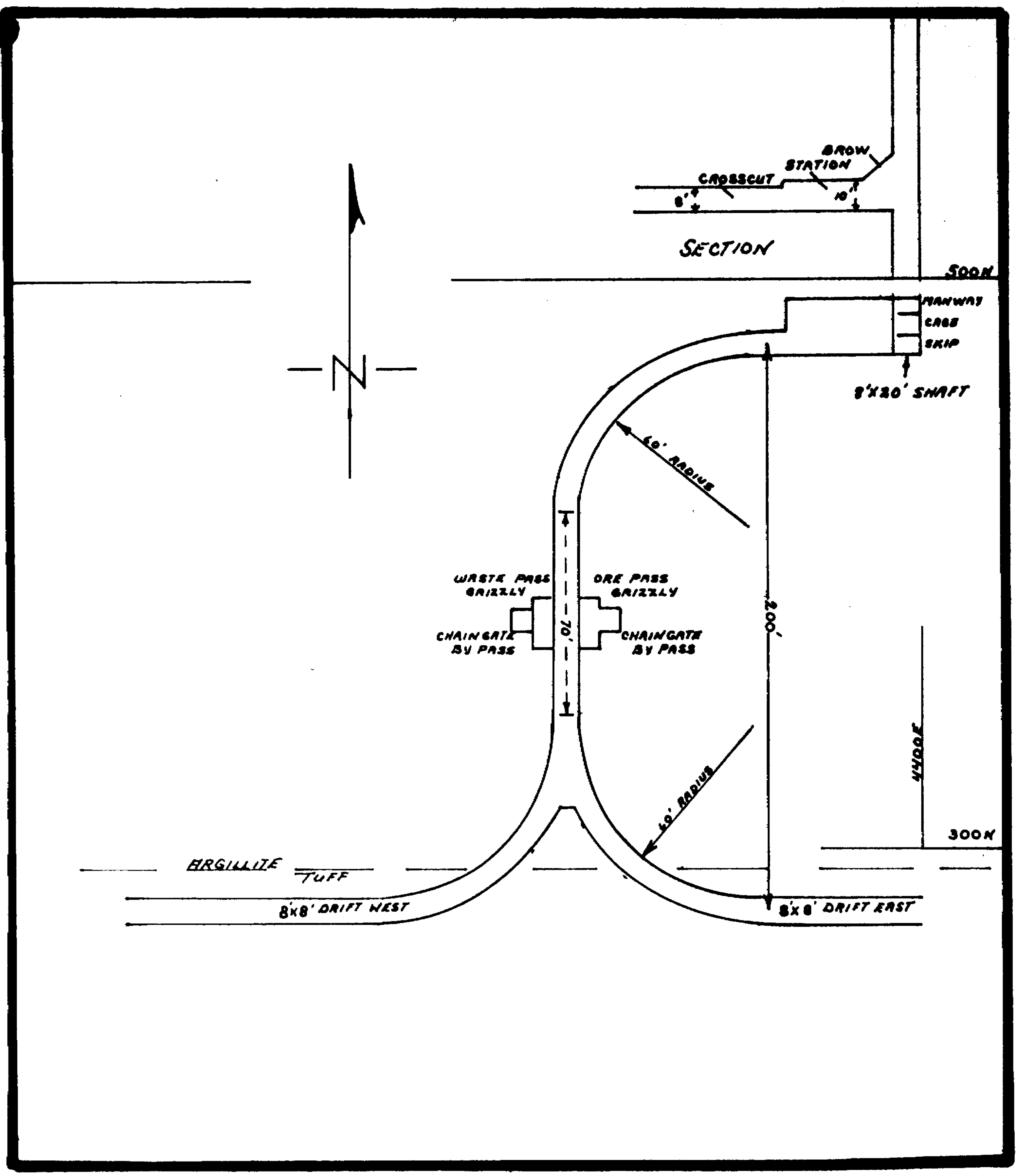
125 feet of reinforced concrete lining, excavation to 100' depth, timbering, etc. at $ 5000 per foot.

From 125' to 150' shaft sunk in pre-grouted rock prior to installation of the concrete lining at $ 5000/foot.

Total for 150 feet $ 750,000

SHAFT SINKING IN ROCK

Standard shaft sinking procedures using a cryderman mucker, on contract with installation of timbering, compartments, guides, air, water and pump lines.



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PROPOSED PLAN OF 500' LEVEL

SHAFT STATIONS, CROSSCUTS, GRIZZLEY

SCALE 1" = 50'

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C. J. KURYLIW
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900 feet (from 150' - 1050') at contract price of $ 1500/foot	$ 1,350,000.
5 of 40' stations plus loading pocket, equivalent of 250' of shaft excavation at $ 1000 per foot advance	250,000
Total for Completed Shaft	$ 2,350,000.

PHASE I

PROPOSED UNDERGROUND EXPLORATION AND DEVELOPMENT

The drifts and crosscuts will be driven on an 8' x 8' cross section and have been laid out so that the development drives along the tuff follows near its northerly contact with the argillite. These drives are in a position to best encounter, trace and outline the ore lenses. These drives will serve as haulage drifts during stoping operations. Switch drifts will start from these drives to the west of the shaft and draw points will start to the east of the shaft on each level. The level interval was chosen at 150 feet, which is an accepted practical level interval The first level was chosen to be located at the 350 foot depth which was governed by depth of overburden, and by a recommended 100 foot crown pillar that must remain during the early stages of development and mining and until rock conditions in the host tuffs are fully evaluated.

The rate of underground development will be governed by the muck handling capacity of the muck hoisting procedure in use. A total of 400 to 500 tons of muck can be hoisted in 2 ton cars untill the passes are driven and the loading pocket is installed and a change over to skip hoisting is operating.

It is proposed that both the 350 and 500 foot levels are driven simultaneously both east and west on a two shift basis together with one pass system in the first 4 month period.

SCHEDULE FOR 1st. 4 MONTH PERIOD UNDERGROUND

350'	level	crosscut and grizzly cuts	250'
350'	"	drive east	500'
300'	"	drive west	600'
500'	"	crosscut and grizzly cuts	250'

500' level drive east		800'
500' " drive west		800'
	Sub. Total	3,000 feet.

Install loading pocket
Drive waste pass loading pocket to 800' level (300')

	Total	3,300 feet.

Contract cost at $ 125. per foot advance, includes installed track and pipes for labour, power, hoisting (except supervision and overhead)

First period development costs: $ 412,500.

SCHEDULE FOR 2nd. 4 MONTH PERIOD UNDERGROUND

The planned program on the 350' and 500' levels consists of coordinated pattern diamond drilling and of drifting along gold bearing structures.

On the 650 and 800 levels it is planned to start and complete the E and west development drives.

Continue and complete the waste pass system from the 800 level to the 350 level.

Towards the latter part of this period muck from the 650' and 800' level drives can be dumped into the waste passes.

UNDERGROUND DIAMOND DRILLING

Drill stations are proposed to be spaced 50 feet apart at each station. Three holes are planned, one drilled south at +35°, one flat and one at -50° for a total of 450 feet per drill station.

	350'	level	20 drilling stations	9,000'
	500'	"	30 drilling stations	15,500'
Drifting.-	350'	"	drifting on structures	600'
	500'	"	" "	600'
	650'	"	crosscut	200'

650' level drive east	600'
650 " " west	600'
800' " " east	600'
800' " to 350' level waste pass	675'

D.D. contract at $ 12./foot for (24'500)	$ 269,500.
Crosscuts, drives, drifts, passes 3,875' at $ 125./foot	484,375

SCHEDULE FOR 3rd. 4 MONTH PERIOD

UNDERGROUND DIAMOND DRILLING

650' level - 24 drill stations	11,000'
800' level - 10 drill stations	4,500.
800' level station 2 deep holes	1,000'
1000' level station 4 deep holes	2,000'
Sub. Total	18,500'
800 level drifting and raising	500'
650' level drifting along structures and raising	1,000'
500' level drifting, raising and stope preparation	1,000'
350' level drifting raising and stope preparation	1,000
Sub. Total	3,500'

D.Drilling costs 18,500 at $ 12./foot contract	$ 222,000.
Drifting raising, stope, preparation 3,500' at $ 125/foot	437,500

SUMMARY COSTS OF UNDERGROUND EXPLORATION AND DEVELOPMENT PROGRAM

Total underground D.Drilling 43,000' at contract cost of $ 12/foot	$ 516,000.

Total Underground Drives

Crosscuts, Drives, Drifts, Raising 10,675 at $ 125/foot	1,334,375.
Purchase and installation of loading pocket and 4 grizzlys	150,000
First year Total underground costs (say $ 2,000,000)	$ 2,000,375

At the end of the one year program of underground exploration and development the mine will be in a position to enter production of ore at an optimum rate of at least 300 tons per day milled or 420 tons per day mining.

At the completion of the one year underground development program, a stockpile of development ore about 2/3 the average stope grade will result, that tonnage is estimated as follows.

Drives in tuff at $ 10% of total muck sent for ore	(2500 tons)
Drifting, Raising and Boxholes on structure at 75% of muck sent for ore	(12,500 tons)
Estimated total stockpiled or milled development muck	15,000 tons.

PROPOSED WORK TIMETABLE FROM START TO PRODUCTION

PERIOD I (4 months: Jan. 1st. 1981 - April 30, 1981)

Projects

Obtaining land right of way.
Survey roadway and power line.
Clear roadway and power line.
Construct access road.
Construct power line.

PERIOD 2 (4 months: May 1st., 1981 - Aug. 31, 1981)

Projects

Collar the shaft to a depth of 150 feet.
Install transformer station.
Excavate water reservoir.
Install pipe lines for water source and mine water discharge.

Construct Mine Buildings

Bunkhouse - Cookery Bldg.
Mechanical - Electrical - Dry - Warehouse Bldg.
Office - Engineering Bldg.
Assay office - Core shack Bldg.

PERIOD 3 (3 months: Sept. 1st., 1981 - Nov. 31st., 1981)

Projects

Erect headframe
Erect ore bin, and waste bin.
Construct the hoist - Compressor Bldg. and install hoist and compressors.

PERIOD 4 (6 months: Dec. 1st., 1981 - May 31st., 1982)

Projects

Sink timbered shaft to a depth of 1050 feet.
Equip the assay office.

PERIOD 5 (12 months: June 1st., 1982 - May 31st., 1983)

Projects

Underground program
Diamond drilling
Crosscutting

Level drives
Drifts
Pass raises
Ore and ventilation raises

PERIOD 6

PRODUCTION

A start on the shipping of Nickel Offsets underground development ore can start at 200 tons per day milled about April 1st., 1980.

On June 1st., 1983, stoping should be started to provide 300 tons per day milled which is at 420 tons per day mined.

OVERHEAD AND GENERAL COSTS

These costs include the costs of engineering, management, assaying, mechanical, electrical and underground supervision, office staff, energy, and transportation costs.

Note: Construction, shaft sinking and development mining will be let on a contract basis.

PERIOD I (4 months: Jan. 1st., 1981 - April 30th., 1981)

Staff of 4

Plus transport and accommodation 4 x $ 12,500	$ 50,000.

PERIODS 2 - 3 AND 4 (May 1st., 1981 - June 31st., 1982)

Staff of 10

Manager, engineer and helper
Accountant and Secretary
Mechanical, Electrical surface
Superintendants
Warehouseman

13 months at $ 35,000 per month	$ 455,000

PERIOD 5 (July 1st., 1982 - June 30th., 1983)

Staff of 20

Underground exploration and development manager
Mine mechanical and electrical superintendants
2 shift bosses, Geologist, Junior geologist
2 sampler, assayer and assistant
Accountant and secretary
Warehouseman
1 electrician, 1 mechanic, 1 delivery trucker
1 compressorman, 1 mechanic

12 months of salaries and supplies, at $ 90,000 per month	1,080,000
Total Pre-production overhead	$ 1,585,000

CAPITAL EQUIPMENT COSTS NEEDED TO GO INTO PRODUCTION

The changeover from the development stage to the production stage will require the purchase of all underground mining equipment and company payroll underground employees. Trucking ore will be contracted out.

Underground Equipment

Purchases will largely consist of rehabilitated, used equipment where possible.

CAPITAL OUTLAY

(new)	20 jack-leg rockdrills at $ 2400 each	$ 48,000.
(new)	10 stoper rockdrills at $ 2000 each	20,000.
(used)	6 Eimco 21 mucking machines at $ 15,000 each	90,000.
(used)	6 Mancha 1½ ton battery locomotives with chargers at $ 18,000 each	108,000.
(used)	24 of 2 ton side dump mine cars at $ 1200 each	288,000.
Pumps		25,000.
Ventilations, fans and piping, etc.		50,000
	Total	$ 527,000.

OPERATING COSTS SUMMARY

Using a modified selective mining approach to produce 300 tons per day milled (900 tons) per month.

Payroll cost per month	$ 215,000.
Energy supplies and parts maintenance at 70% of payroll costs	150,000
Total operating costs at mine	$ 365,000 / month.
Or $ 40.55 per ton.	

CONTRACT TRUCK HAULAGE COSTS: Raw Ore

To Pamour Mill at 9000 tons per month 24 miles at $ 10 per ton mile = $ 2.40 per ton.	$ 21,600
Custom milling ore at Pamour Mill at $ 17.50/ton.	158,500
Insurance, head office and General expense per month.	9,000.

Total operating cost per month $ 554,100.

Total operating cost per ton $ 61.57

At $ 700. Canadian per ounce gold. The operating cut-off grade is = 0.088 oz. Au. per ton.

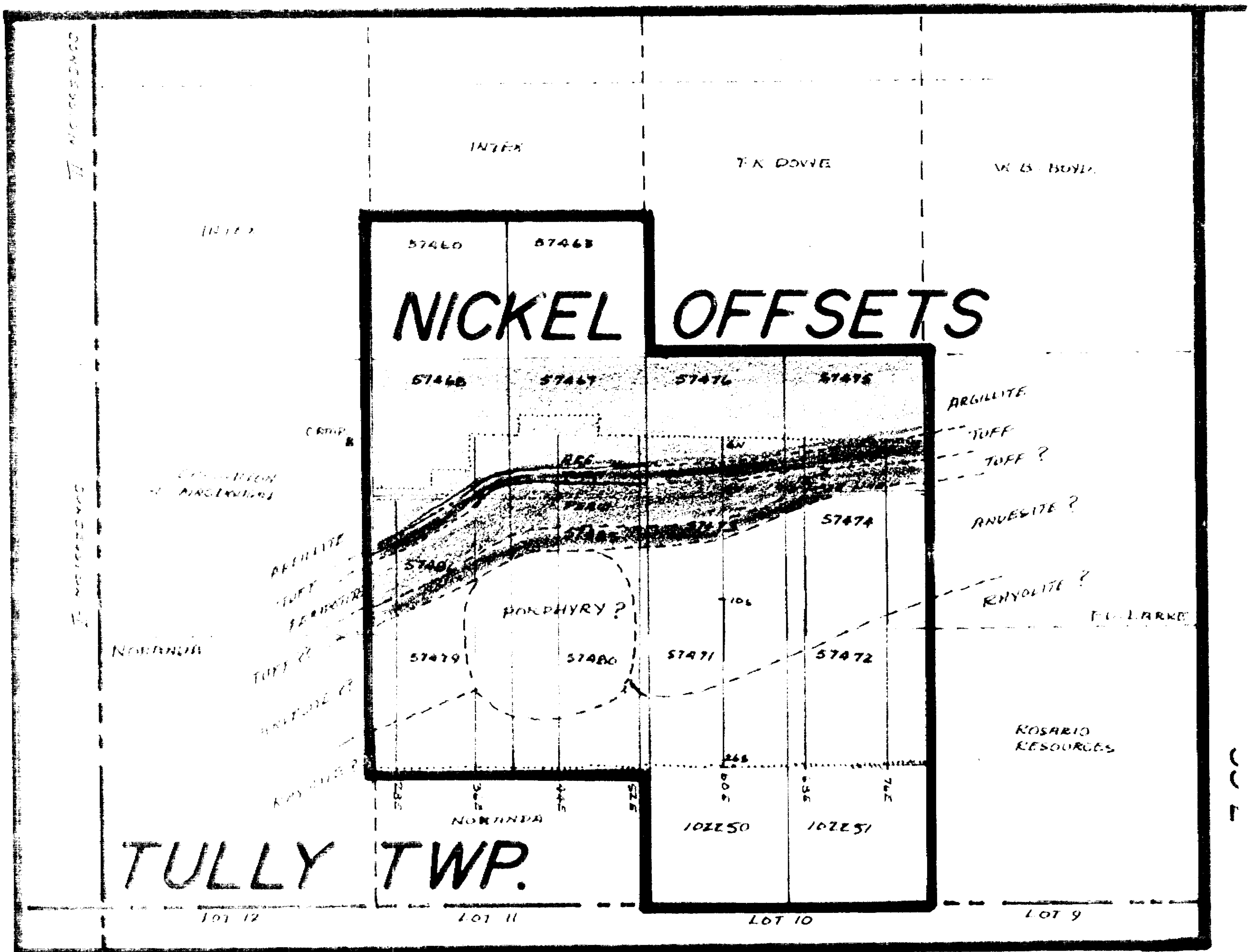
DETAILS TO OPERATING COSTS SUMMARY AT MINING AT 420 TONS/DAY

Employees	Salaries/Month
Manager	$ 4,000
Engineer and surveyor	2,200
Surveyor's helper	1,600
Geologist	2,200
2 Stope geologists (2 x 1700)	3,400
2 Samplers (2 x 1500)	3,000
Assayer	2,300
Assayer's helper	1,500
Accountant	2,100
Bookeeper - Secretary	1,500
Secretary - Receptionist	1,200
Warehouseman	1,800
Warehouse Assistant	1,500
Trucker - Expediter	1,500
Electrical superintendant	2,500
Electrician	1,800
Mechanical Superintendant	2,500
3 Hoistmen at $ 9.00/hour (3 x 1800)	5,400
3 Deckmen at $ 8.00/hour (3 x 1600)	4,800
3 Cagetenders at $ 8.00/hour (3 x 1600)	4,800
1 Compressorman at $ 8.50/hour	1,700
1 Underground Mechanic at $ 9.00/hour	1,800
1 Machine doctor at $ 9.00/hour	1,800
1 Welder-mechanic at $ 9.00/hour	1,800
2 General mechanics at $ 9.00/hour	3,600
Sub. Total	$ 60,500

UNDERGROUND EMPLOYEES	SALARY/ MONTH
Mine Superintendant	$ 3,000
1 development shift boss	2,500
2 stope shift bosses; 2 x 2400	4,800
2 development miners at $ 9.00/hour plus $ 11.00/hour bonus. 2 x 3,680/month	7,360
20 stope miners at $ 9.00/hour plus $ 7.00/hour bonus; 20 x 2,990/month	59,800

5 mucking machine operators at \$ 9.00/hr. plus \$ 7.00/hour bonus; 5 x 2990	\$	14,950
5 trammer operators at \$ 9.00/hour plus \$ 5.00/hour bonus; 5 x 2576		12,880
Underground Total	\$	105,290.
Total Payroll	\$	165,790
Payroll carrying charges at 30% of payroll. (This includes compensation, holiday pay, C.P.P., U.I.C. etc.)	\$	49,737
Total	\$	215,527.

Total payroll costs: (say \$ 215,000 per month)



KEY MAP

SCALE: 1" = 1/4 mile

2N

OM69-PE65-C-81
FOLDER #2

020

REPORT

ON A

GROUND MAGNETIC SURVEY

ON

NICKEL OFFSETS LIMITED

TULLY TOWNSHIP

TIMMINS AREA, ONTARIO

November 30, 1981

Chester J. Kuryliw, M.Sc., P.Eng.
Consulting Geologist.

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GENERAL GEOLOGY

The Nickel Offsets property is underlain by steep dipping, east-west trending precambrian rocks that are a part of the Timmins-Porcupine volcanic and sedimentary belt. This belt is one of the largest in the precambrian shield and it contains a large number of major lode-gold producing mines. Many of the present and past gold mines in the area are spatially related to the East-West trending Destour-Porcupine fault, which extends for 200 miles along strike. The Nickel Offsets gold deposit lies about 15 miles North of that fault and 8 miles East-North-East of the Kidd Creek Base Metal Mine.

The precambrian rocks on the Nickel Offsets property occur under a deep cover of clay overburden at least 100 feet deep. The sequence of steeply dipping precambrian rocks located by diamond drilling consists of an East-West trending formation of a carbon rich argillite to the North. To the South of the argillite a finely banded dacitic to andesitic tuff formation 75 - 150 feet thick occurs sandwiched between argillite to the North and a talcose peridotite to the South.

The tuff formation is host rock to several gold bearing structures that occurs stacked in "venetian blind" form that has a northerly dip of about 45° and a rake of about 20° eastwards.

INSTRUMENT UNIT AND METHOD

A sharpe MF-1 fluxgate magnetometer was used to read the base line and cross lines. A base station at 35E-5N was established with an arbitrary value of 500 gammas. All readings were taken with the instrument leveled and the operator facing grid North. The base station and the base line stations were read, then within one hour the base station was reread. This established the base line stations, which were then used as check stations for correcting the readings taken along picket line stations. This procedure provided data for corrections of diurnal variations and possible "instrument drift".

The corrected readings were plotted in gammas above or below the arbitrary base level of 500 gammas. The plotted readings indicate changes in the vertical component of the earth's magnetic field. Readings were taken at 50 foot stations along picket cross lines and the corrected readings were plotted on a plan scale 1" = 100 feet. The readings were contoured at 200 gamma intervals. The magnetic survey was carried out in the field by Adrian J. Kuryliw of Winnipeg Manitoba, during November 1981. The plotting of the results and the interpretations were made by this writer.

RESULTS OF MAGNETIC SURVEY AND INTERPRETED GEOLOGY

The ground magnetic survey carried out in November 1981 traced the projected extensions of the mineralized tuff and peridotite. The tuff has been drilled off from lines 35E to 54E where the location of the tuff is established. By following the same contour lines over the known portion of the tuffs and extending these to the East and West, the tuff is traced across the property. The argillite formation to the North of the tuff is marked by a plateau of lower magnetic readings. To the South of the tuff the peridotite shows variable higher magnetic readings over a width of about 800 to 1,000 feet. The trace of the peridotite appears to pinch out along strike towards the eastend of the property. The rocks to the South of the peridotite are covered by deep overburden and these have not been determined to date.

This writer here presents geologic interpretations of the rocks to the South of the peridotite that may be indicated by the magnetic patterns.

It appears that the peridotite occurs as a wedge shaped sill that intrudes into tuffs and is in contact with tuffs to the North and South, and these tuffs come together to form a single formation at the East end of the property. Immediately to the South of the tuffs is a formation of what may be intermediate to basic volcanics over a thickness of about 1,000 feet. To the South of these volcanics a formation of acid volcanics or sediments occurs.

A circular area of low, flat magnetics occurs South of the peridotite and tuffs where the tuffs are known to be mineralized with gold. This is also the area where the tuffs and peridotite are arched into a fold. This circular area probably represents the location of an intrusive stock of acidic rock, probably a porphyry.

Results of Magnetic Survey & Interpreted Geology (Cont'd)

There is a strong possibility that this porphyry stock provided the tectonic source that caused the arching and fracturing of the gold bearing tuffs. The arched peridotite appears to have assisted in the formation of magnetite in the peridotite, which is marked by a strong local magnetic high.

CONCLUSIONS AND RECOMMENDATIONS

The magnetic survey was successful in tracing the known tuff North of the peridotite and some surface diamond drilling should be carried out to test the tuffs along their trace to the East and West ends of the property.

The magnetic survey also presents interpreted possibilities that another band of tuffs occurs to the South of the peridotite, and this should be tested by drilling to prove its presence and to test for gold mineralization. The possible occurence of a porphyry stock presents favourable structural and geochemical environment for gold mineralization and deposition. This possibility should also be checked by diamond drilling.

It is recommended that a total of 10,000 feet of diamond drilling of BQ core size be carried out to test the above.

Estimated Costs 10,000 Ft. @ $18/Ft. = $180,000

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

CJK/lc

November 30, 1981

Chester J. Kuryliw, M.Sc. P.Eng.

63.3960
FOLDER #3

REPORT

ON

NICKEL OFFSETS LIMITED

Tully Township

PORCUPINE MINING DIVISION

ONTARIO

December 7, 1981

Chester J. Kuryliw, M.Sc.,P.Eng.
Consulting Geologist

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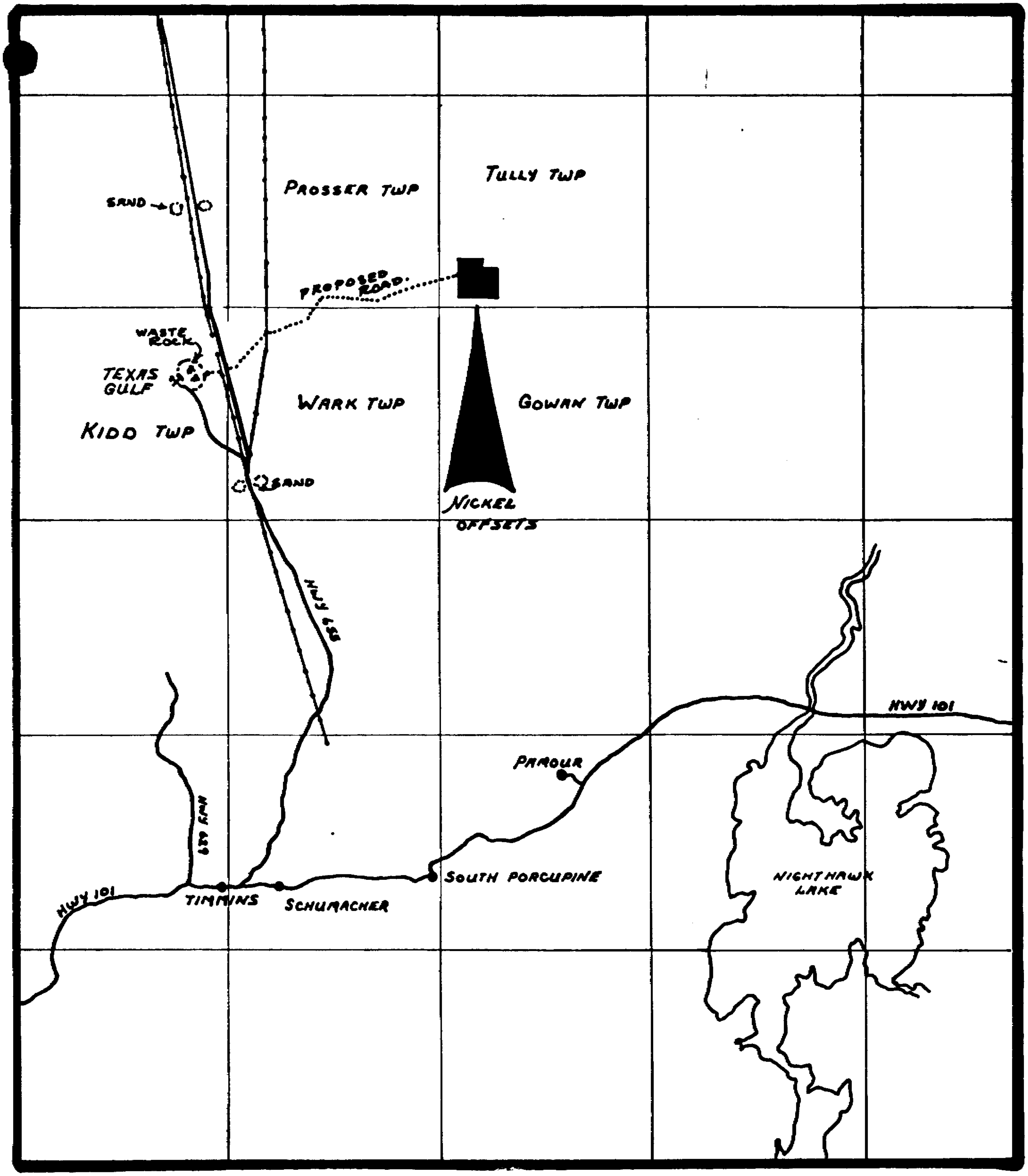
PROPOSALS

CRITICAL FLOW CHART

LIST OF ILLUSTRATIONS

LIST OF ILLUSTRATIONS (CONT'D)



NICKEL OFFSETS LTD.

LOCATION MAP

SCALE 1" = 4 MI.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

C J Kuryliw

Dec 7, 81

SUMMARY

The Nickel Offsets gold deposit in the Timmins area, was discovered in 1969 by McIntyre Mines Ltd., while drilling testing a graphitic EM conductor under deep overburden. McIntyre drilled 21 holes that totalled 13,206 feet over a strike length of 1,400 feet of tuffs.

In 1980 Nickel Offsets drilled 17 holes that totalled 10,106 feet, towards the end of that program a pattern to the gold bearing structures was recognized. The 1981 drilling program totalled 11,197 feet from 16 drill holes that were directed to drill down along the tuffs and to cross the gold bearing structures. The structures are stacked one over the other in a "venetian blind" form.

The 1981 drilling program suceeded in confirming the gold mineralization and provided additional data to calculate drill indicated ore reserves. The drilling also suceeded in extending good gold mineralization westwards. This drilling also suceeded in testing the tuffs at depth and resulted in the discovery of a second set of gold bearing structures at depth.

Extensions to the known gold bearing structures are open to depth along their easterly rake. The potential for discovering additional zones along the easterly and westerly sections of the tuff is good and recommendations to test these are included in this report.

Interpretations of a recently completed magnetic survey presents the potential to discover additional favourable host rocks on the property, and these will be tested by the proposed drilling.

Summary (Cont'd)

This writer concludes that the $2\frac{1}{4}$ year, 9.5 million dollar program proposed in this report will result in a comprehensive explanation of the Nickel Offsets Gold deposits to a point ready for a production decision.

The capital outlays for access, mine plant buildings, and power line have been kept to the minimum requirements. The design of the shaft underground workings and essential plant structures are also capable of meeting medium tonnage production if this program confirms the indicated ore.

There are numberous intersections of coarse visible gold in the structures at Nickel Offsets. The structures show good continuity over good mining widths, this is especially true of the #3 rich gold bearing zone.

The "nugget effect" of the coarse visible gold intersected in drill holes, brings uncertainty into the reliance on mathematical calculations of ore reserve grades and tonnages.

Based upon this writers past experience gained during the supervision of the selective mining of such ores in operating gold mines underground, such structures as the #3 zone should mine out in this programs test stoping at a grade of between 1/4 and 1/2 ounce gold per ton.

CONCLUSIONS

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NICKEL OFFSETS LIMITED

Tully Township

ORE RESERVE CALCULATIONS

Of Possible Ore From Surface Diamond Drilling

Summary - Dec. 7, 1981 C.J. Kuryliw

Zone	(Ft) Length	Corrected Average Width	Ounces Uncut	Ounces Cut	Tons	Grade Uncut	Grade Cut To 2 Ft-Oz. Au PerAssay
1	737	11.4	31,609	30,091	111,470	.283	.270
1A	215	5.2	1,869	1,869	15,838	.118	.118
2	732	12.6	20,577	13,646	133,856	.154	.102
2A	50	5.6	1,339	1,339	3,266	.410	.410
3	836	17.9	57,432	39,258	153,500	.374	.256
4	622	9.3	28,751	18,562	57,346	.501	.324
Intermed Zone Between 3 & 4	83	47.0	4,461	4,372	45,504	.098	.096
Deep Zone (B)	66	42.1	4,276	3,091	20,075	.213	.154
TOTALS			150,315	112,230	540,855	.278	.207

Total Tons @ 20 % Dilution Factor = 109,145 Tons

Total Possible Ore Reserves = 650,000 Tons @ 0.23 Ounce Gold per Ton(uncut)

Or @ 0.17 Ounce Gold per Ton(Cut)

Cut to 2 Ft. Oz. Au/Assay

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

C J Kuryliw

Recommendations & Cost Estimates

Summary

Period 1	-	Access - Road & Yard Construction (6 Months)	$ 582,435
Period 2	-	Shaft Collar & Plant Installations (5 Months)	1,833,435
Period 3	-	Shaft Sinking & Underground Installations (6 Months)	1,753,020
Period 4	-	Underground Exploration (10 Months)	3,381,226
Period 5	-	Evaluation & Production Decisions (2 Months)	110,000
TOTAL			$7,660,116
Provision For Contingencies 23.9%			1,839,884
TOTAL FINANCING			$9,500,000

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

December 7, 1981

Chester J. Kuryliw, M.Sc. P. Eng.

INTRODUCTION & HISTORY

This writer was commissioned by Stephen Kay, President of Nickel Offsets Limited to write this report.

This writer is intimately familiar with the 1980 winter drilling program having acted as Consulting Geologist involved in planning, core examinations and evaluation of drilling results.

During the 1981 drilling program this writer planned and directed the drilling, and logged the core.

This writer brings 32 years of experience in the surface and underground exploration, development and selective stoping in gold mines of Northwestern Ontario.

This gold deposit was discovered under its deep cover of overburden by McIntyre Mines during a drilling program carried out in 1969, which was at first directed to test an EM conductor during the heightened exploration activity that followed the Texas Gulf Base Metal Mine discovery in Kidd Township. The conductor proved to be graphite in a bed of andesitic tuffs about 125 feet thick, caught between argillite to the North and peridotite to the South. Visible gold was discovered in the core by the McIntyre geologist so that a program of drilling to test the gold deposits was carried out. A total of 13,206 feet was drilled in 21 holes spread over a strike length of 1/4 mile.

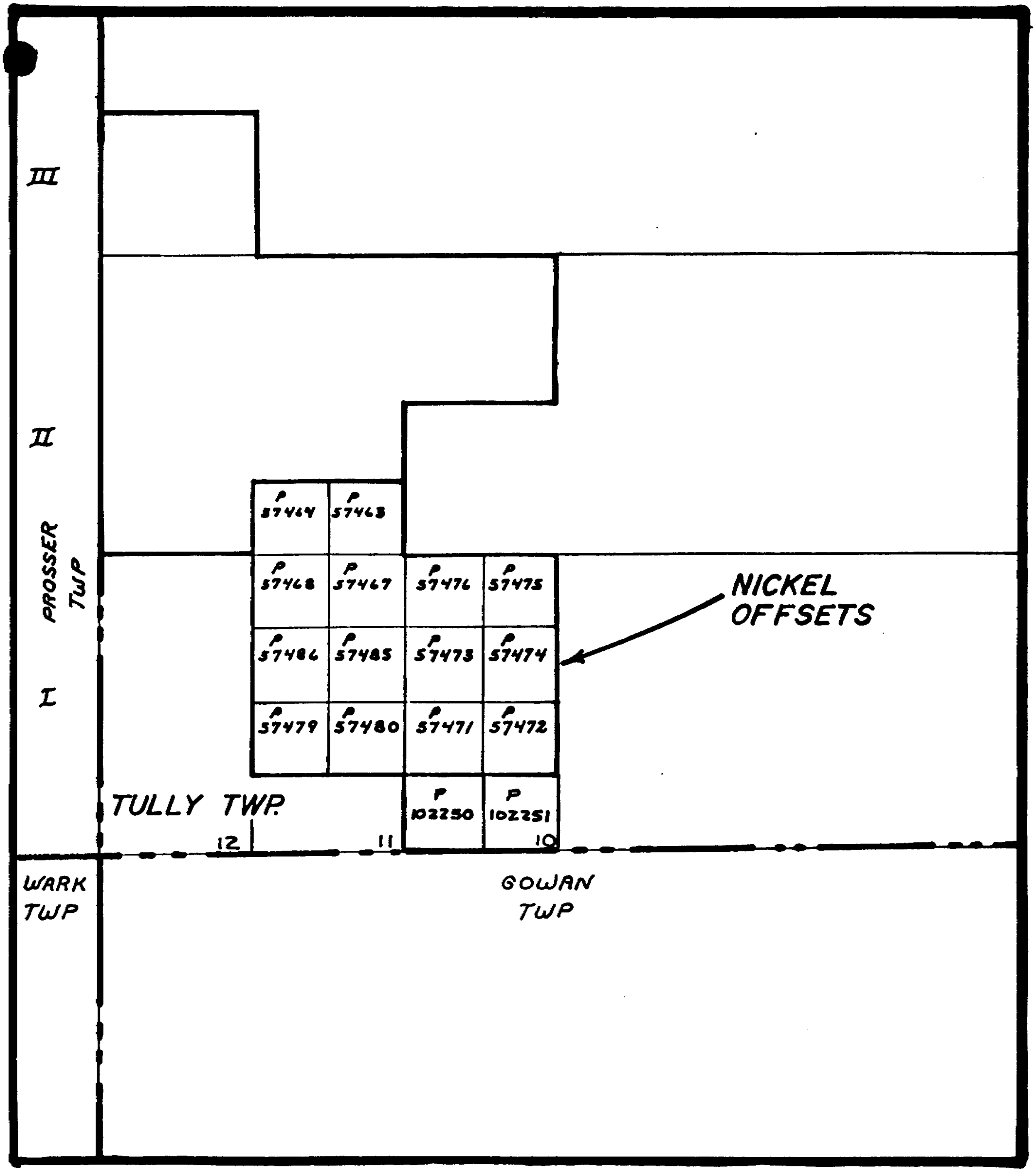
Nickel Offsets Limited carried out a winter drilling program over the gold bearing tuffs under swampy terrain, during the first quarter of 1980. John McMullen was Resident Geologist in charge of the field drilling program that totalled 10,106 feet, from 17 diamond drill holes.

Introduction & History (Cont'd)

It was near the termination of that drilling program that it was recognized that the set of quartz fractures that carried visible gold in the core had an orientation in variance with the attitude of the bedding of the andesitic tuff host rock. By using the newly determined orientation of the gold bearing structures and by projecting the better intersections, it was revealed that repetitive sets of en-echelon structures occur at acute angles across the tuff in both strike and dip. The last two holes in 1980, numbers 16 and 17, were directed to stay in the host tuffs and cross the en-echelon sets of structures. These holes tested and supported the new theory of the structural pattern. These three holes which include drill hole No. 69 - 21, drilled by McIntyre now form the basis of much of the interpretations of the habit and distribution of the gold bearing structures, which can be projected to incorporate gold bearing intersections in drill holes.

Sixteen drill holes, that totalled 11,197 feet were drilled during the summer of 1981. All holes were spotted to drill down along the host tuffs to cross the stacked "venetian blind form" set of structures. Initially some difficulty was encountered because the holes bent out of the tuff, or undulations in strike and dip was the cause.

During the second half of the drilling program, which was concentrated on the western extension of the tuffs, greater success was obtained in keeping the drill holes in tuffs. Hole No. 16 remained in tuffs at its stopped depth of 1,250 feet. A remarkable and fortuitous hole when it is realized that the tuffs are only 75 feet thick at that location. This hole indicated merit in a previously forwarded hypothesis by this writer, that after a lean portion of tuffs was crossed below the known upper "venetian blind form" set of structures, a second "venetian blind form" set of structure may occur at depth. This second set was discovered in Hole 16 and it carried visible gold and it assayed 0.21 oz. gold over 42 feet.



NICKEL OFFSETS LTD.
CLAIM GROUP
TULLY TWP., ONT.

SCALE 1" = 1/2 MI.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

C. J. Kuryliw
Dec 7, 81

THE PROPERTY

The Nickel Offsets Mine Limited property consists of 16 fully owned patented claims of 40 acres each, in the southwest corner of Tully Township, District of Porcupine, Ontario.

57463	Con.	2	Lot	11	Tully	Twp.,	Ontario
57464	"	1	"	11	"	"	"
57467	"	1	"	11	"	"	"
57468	"	1	"	11	"	"	"
57471	"	1	"	10	"	"	"
57472	"	1	"	10	"	"	"
57473	"	1	"	10	"	"	"
57474	"	1	"	10	"	"	"
57475	"	1	"	10	"	"	"
57476	"	1	"	10	"	"	"
57479	"	1	"	11	"	"	"
57480	"	1	"	11	"	"	"
57485	"	1	"	11	"	"	"
57486	"	1	"	11	"	"	"
102250	"	1	"	10	"	"	"
102251	"	1	"	10	"	"	"

LOCATION & ACCESSIBILITY

The Nickel Offsets proposed site, is located about one mile North East of the South West corner of Tully Twp. The proposed shaft site is located about 9 Miles E-N-E of the Texas Gulf Mine in the Kidd Twp. It is 18 miles N-N-E of the town of Timmins as the crow flies.

The proposed road construction route chosen is 8.2 miles E-N-E from Hwy 655, it will also be followed 6.2 miles by the proposed hydro power line. The new road to be construced will branch from the nearest point on the paved Highway 655, at the Texas Gulf waste rock stockpile it joins Highway 101 18.5 miles South to Timmins.

GEOLOGY

The Nickel Offsets property is underlain by steep dipping East-West trending precambrian rocks that are a part of the Timmins-Porcupine volcanic-sedimentary belt. That belt is one of the largest in the Canadian precambrian shield and it contains a large number of major successful lode-gold producing mines, many of the present and past gold mines in the Timmins-South Porcupine-Pamour area appear to be spatially related to the E-W trending Destor-Porcupine fault which extends 200 miles on strike.

The Nickel Offsets gold deposit lies about 15 miles North of the Destor-Porcupine fault, it also lies 8 miles E-N-E of the large Texas Gulf Base Metal-Silver Mine in Kidd Twp.

The Nickel Offsets gold deposit occurs within a finely banded andesitic tuff formation that averages 125 feet thick. The tuffs trend E-W, dip steeply northwards and lie between a broad formation of finely banded carbon rich argillite to the north and a peridotite (with talcose alteration and spinafex texture) to the south. The surface terrain surrounding the Nickel Offsets property over a 6 mile radius, is wet and swampy and almost devoid of outcrops. The rocks are overlain by deep overburden. The steep dipping tuffs undulate along their E-W trend to accommodate the northern rim of the intruding peridotite. At 39-E the tuff and peridotite bend to a S-S-W strike along its westerly extension. The dip also flattens to 57° to the N-N-W.

One major fault set has been recognized, it is essentially a branching set of faults that cuts flatly across the tuffs at about the 300' to 400' depth horizon. The fault set is marked by the presence of graphite along the fractures.

Geology (Cont'd)

On vertical cross-section 43-E where 5 drill holes provide a detailed section, the displacement in the N-S direction is in the order of 20 feet, the fault dips about 45° northwards. The dip of the tuff formation changes from vertical in the upper fault block to -85° north in the lower fault block. It is this graphitic fault set that provided an EM conductor that was chosen as a drilling target in 1969, that resulted in the discovery of this gold deposit. This fault set appears to rake eastwards across the tuffs at about-20° to -25° but this is not traced with any certainty. There is a good possibility that the stresses that produced this fault set, also produced the gold-bearing subsidiary quartz-filled fracture set.

A ground magnetic survey completed in November 1981, covered the projected extensions of the tuff and peridotite in detail with lines 100 feet apart.

Hypothetical, but studied geologic interpretations of the results of the magnetic survey by this writer are here presented. It appears that the peridotite pinches out at the eastern end of the property. It also appears that the peridotite occurs as a wedge-like sill between a northerly and southerly band of tuffs that join to form a single thicker tuff formation at the East end of the property. To the South of the tuffs it appears that a formation of intermediate to basic volcanics occurs, that is about 1/4 mile thick. This is followed by an acid volcanic formation to the South. It is also interpreted that a stock intrusion of acid composition, probably a porphyry, which is about 1/4 mile in diameter occurs. It intrudes the basic volcanics and comes in contact with the southern tuff band and arches the peridotite and tuffs northwards. This arching is traced by the heavily drilled gold bearing north tuff formation. There is a strong possibility that this porphyry stock provided the tectonic source of arching and fracturing of the gold bearing tuffs.

Geology (cont'd)

The porphyry stock intrusion appears to have assisted in the formation of magnetite in the peridotite, where the severest arching stress occurs. This is indicated by a local strong magnetic anomaly in the peridotite immediately north of the postulated porphyry intrusion. The porphyry intrusion is marked by low even magnetics in a circular plateau that interrups the trend of more magnetic volcanics.

It is recommended that some surface exploration be earmarked to test for the presence of a southern band of tuffs. A drill hole should also be earmarked to test the peridotite-tuff-porphyry contact arched area because all three rocks may be the site of gold mineralization.

CJK/lc

THE GOLD DEPOSITS

The gold bearing structures consist of a set of quartz filled fractures, mineralized with coarse visible gold. The quartz filled fracture sets occur as "vein-trends", that strike E-N-E which is obliquely across the E-W trend of the tuffs. The "vein-trends" dip 50° to 60° northwards and they rake at about -20° eastwards. At least 6 such "vein-trends" have been located by the three drilling programs. The average "vein-trend" dimensions are 8' to 12' thick. Each "vein-trend" extends 150 to 200 feet along dip and at least 1,000 feet along the rake trend which is still open down rake eastwards. These "vein-trend" attitudes are conformable with the graphitic fault which may have formed subsidary fractures, and may also have provided the mineralizing channelways.

The gold bearing quartz filled fracturing extends for at least 200 feet below and 300 feet above the graphitic fault. Such fault related mineralization commonly extends over great distances, so that this is encouraging for extensions of the mineralized structures down rake eastwards to greater depths, which is yet to be tested.

The 6 gold bearing vein trends are stacked one over the other in a "venetian blind form" to form a set. It was postulated by this writer that this rythmic set of structures may repeat the rythm to form a second "venetian blind form" set of structures at depth below a barren section of tuffs. This possibility was indicated to occur by the intersections returned at depth in drill hole 81-16. The second set occurs 300 - 400 feet below the first set. This is highly encouraging since extensions of the first set are still open down rake and now it is known that the possibilities of the structure being open to depth by the rythmic repetition of sets of structure with depth leaves no known restrictions for extended mineralization to depth.

The Gold Deposits (Cont'd)

The North tuff is host rock to the gold bearing structures and should be tested in its trace across the property. The magnetic survey has traced the trend in general. It was also noted that the North tuff that contains the upper set of quartz bearing gold zones stands out as an elevated bedrock topography over the adjoining argillite and peridotite. Now that the tuff is traced, a ground resistivity survey is needed to trace bedrock contours along the tuff. Any elevated contours of tuff above adjoining tuff and argillite - peridotite wall rocks may indicate silicification of the tuff that resists erosion and it would present a most interesting exploration target. Any fold in the tuff may also prove an important structural feature that is favourable to fracturing and mineralizing the tuffs.

MINERALIZATION IN THE GOLD DEPOSIT

The tuffs are host to several periods of fracturing that are filled with quartz and some related pyritic mineralization, and several orientations of fractures criss cross the core. It required a careful examination of the core from the first dozen drill holes in the 1980 drilling program with a sufficient number of visible gold occurrences noted, before it could be recognized that the visible gold always occurred in a set of quartz filled fractures with a similar orientation. A determination of that orientation was possible from core examination because the shape and dip of the finely banded wall-rock tuff was known and the drill hole core direction was known, this fixed the orientation of the visible gold bearing fractures as having a E-N-E strike, a -50° dip northwards and about a -20° rake eastwards.

Traces of base metal mineralization were noted in the drill core, these consist of sphalerite, chalcopyrite, galena and rarely arsenopyrite. Some hairline fractures carry graphite. Pyrite is ubiquitous and amount to about 2 to 3% of the "vein-trend" structures. There is no obvious relationship between sulphide mineralization and gold mineralization, but there is a spatial relationship of some visible gold mineralization with the edges of veins.

The bulk of the gold content occurs as coarse, free visible gold, commonly in the ½ to 1 mm. diameter range. This causes difficulty in determining calculated ore grades. In the 1980 drilling program over 2,000 core assays were taken, in core samples where visible gold was noted, the greater number of assays did not reflect the gold content, but indicated the background gold content which is in the .02 to .04 ounce gold per ton range. The assays that did reflect the visible gold content commonly ran over an ounce.

Mineralization in The Gold Deposit (Cont'd)

In the 1981 drilling program, 2,650 samples were assayed. It is significant that over 80% of the samples that assayed over 1/3 ounce gold had visible gold noted during close examination during logging by this writer. The conclusion has to be drawn that the bulk of the gold content (80% ?) occurs as coarse gold large enough to be visible.

When the majority of the gold occurs as coarse visible gold, this implies that sampling and "ore" assessments are mathematically hazardous due to the "nugget effect", so that an experienced qualitative assessment must be largely relied upon. The ultimate assessment of grade must be made by a bulk sampling of the ore and sending the test stope ore to a mill for gold extraction. A total cyanidation milling process must be resorted to. There is one advantage to the occurrence of coarse gold, and that is the opportunity for underground supervision to follow the ore in stopes and underground workings by literally following the visible gold found, after a close examination of the washed face.

An underground program of exploration that consists of drifting, raising, test stoping and detailed underground drilling should provide the necessary data to fully assess the grade and tonnage and profitability of the gold deposits in the area explored to date.

PARAMETERS FOR ORE RESERVE CALCULATIONS

Nickel Offsets Ltd., December 7, 1981.

(1) Vertical extent of shoots

This is measured along cross section between the north and south walls of the tuff. Measurements at 100', 140' and 170' along the 45 degree slope, depending upon the width of the tuffs. (See Idealized Block Diagram)

(2) Length

The length is measured along rake of the shoot (see longitudinal section) and each drill hole has its length of influence.

(3) The Block

The calculated area (see longitudinal section) extends from 34 + 00E to 50 + 00E (total 1600 feet).

(4) The Width

The core length was corrected to an interpreted true thickness using the average angle of the veins to the core in the drill hole intercept. This correction factor is 0.86 times the core length for the average 60° angle to the axis of the core.

(5) Dilution

The core intersections across shoots were diluted at a rate of 20% extra tonnage and grade dilution.

Parameters For Ore Reserve Calculations (Cont'd)

(6) Cut Assays

All individual assays above 2 foot-ounces product of gold per ton were cut to 2 foot-ounces.

NOTE: The 2 foot-ounce figure was chosen instead of cutting assays to 1 ounce, because the foot-ounce figure eliminates the "high assay long sample product influence."

For instance, a rich concentration of gold mineralization over a few inches of core that occurs in a long section of vein in the core, could theoretically give the following results for the same section included in samples of different lengths.

Example of the above for the same section

Sample Length	Assay	Foot-Ounces Cut To 1 Ounce	Foot-Ounces Cut To 2 Foot-Ounce
1.0'	10.00 ozs.	1.0	2.0
2.0'	5.00 ozs.	2.0	2.0
5.0'	2.00 ozs.	5.0	2.0

NICKEL OFFSETS LIMITED

Tully Township

ORE RESERVE CALCULATIONS

Of Possible Ore From Surface Diamond Drilling

Summary - Dec. 7, 1981 C.J. Kuryliw

Zone	(Ft) Length	Corrected Average Width	Ounces Uncut	Ounces Cut	Tons	Grade Uncut	Grade Cut To 2 Ft-Oz. Au Per Assay
1	737	11.4	31,609	30,091	111,470	.283	.270
1A	215	5.2	1,869	1,869	15,838	.118	.118
2	732	12.6	20,577	13,646	133,856	.154	.102
2A	50	5.6	1,339	1,339	3,266	.410	.410
3	836	17.9	57,432	39,258	153,500	.374	.256
4	622	9.3	28,751	18,562	57,346	.501	.324
Intermed Zone Between 3 & 4	83	47.0	4,461	4,372	45,504	.098	.096
Deep Zone (B)	66	42.1	4,276	3,091	20,075	.213	.154
TOTALS			150,315	112,230	540,855	.278	.207

Total Tons @ 20 % Dilution Factor = 109,145 Tons

Total Possible Ore Reserves = 650,000 Tons @ 0.23 Ounce Gold per Ton(uncut)

Or @ 0.17 Ounce Gold per Ton(Cut)

Cut to 2 Ft. Oz. Au/Assay

REGISTERED PROFESSIONAL ENGINEER

C. J. KURYLIW

PROVINCE OF ONTARIO

C J Kuryliw

ROAD CONSTRUCTION

Summary

Clearing & Corduroying		$ 50,500
Ditching	$ 13,000	
Culverts	20,000	
Load, Haul, Dump-Rock	218,000	
Load, Haul, Dump-Sand	55,000	
SUB TOTAL	$306,000	306,000
TOTAL		$356,500

ROAD CONSTRUCTION

Road Footage	Survey Picket	Ditch Length	Corduroy Length
0 - 3,700	Dump - 56 W	3,700 Ft.	
3,700 - 9,000	56 W - 3 W		5,300 Ft.
9,000 - 11,700	3 W - 24 E	2,700	
11,700 - 15,300	24 E - 60 E		3,600
15,300 - 19,000	60 E - 97 E	3,700	
19,000 - 21,300	97 E 120 E		2,300
21,300 - 22,700	120 E - 124 E	1,400	
22,700 - 23,800	134 E - 145 E		1,100
23,800 - 24,400	145 E - 151 E	600	
24,400 - 25,600	151 E - 163 E		1,200
25,600 - 26,300	163 E - 170 E	700	
26,300 - 27,500	170 E - 182 E		1,200
27,500 - 28,800	182 E - 108 W	1,300	
28,800 - 31,400	108 W - 82 W		2,600
31,400 - 40,400	82 W - 8 E	9,000	
40,400 - 41,900	8 E - 23 E		1,500
41,900 - 43,000	Yard Loop		1,100
TOTAL		23,100 Ft.	19,900 Ft.
Ideal Tonnage of rock fill allowance for contingencies: @ 25%		38,500 Tons 9,625 Tons	53,000 Tons 17,500 Tons
TOTAL		48,125 Tons	70,500 Tons

Turnarounds @ 900 Ft. Intervals (3,000 T)

Total Waste Rock on Road 120,000 Tons

Ideal Total Sand Cap Required 17,000 Tons

Total Sand+Contingencies 20,000 Tons

Road Construction (Cont'd)

Ditching

In sections of the access road route where the depth of organics to the clay base is 4 feet or less, ditching along the South side of the clearing is recommended for road construction.

A one yard backhoe mounted on tracks can be used. The ditch should be dug an average of 4 feet deep and the excavated material will be spread on the brush corduroy matte laid by the line cutters.

The ditching is required to improve drainage and so provide a more stable road base. The excavated material will provide additional road base volume, which results in a reduction of hauled fill requirements.

Estimated Length of Ditching (23,000 Ft.)

Estimated Rate of Ditching (70 Ft/Hr.)

Contract Cost of Backhoe & Operator @ $40.00 Per Hour

DITCHING COST TOTAL $13,143.00

Corduro y Matte

The writer strongly recommends the use of a tree and brush corduroy matte in the access road construction to Nickel Offsets Minesite. The initial benefit is reduced clearing costs because the brush does not need to be burned. The corduroy matte acts in a manner similar to a snow shoe in that it suspends the rock fill as a unit mass above the muskeg and results in a compression of the underlying organics and greatly reduces the roadside upswelling or (boiling) of underlying water saturated organics, clay, or loonshit.

The corduroy matte will also reduce the roadside creep of water saturated clay in sections of the route with shallow organic cover.

The end result is a greatly reduced tonnage of rock fill and resulting road construction costs.

Note: In the area of the Detour Lake Minesite local access roads are built over stretches of muskeg by laying fabric matte that costs $20,000 per mile. This fabric underlay is covered with a sand road base.

Road Base Material

To increase efficiency and reduce unit costs, rapid construction of the access road base is planned. This is accomplished by increasing the number of haulage trucks working, which is loaded by a single loader at the rock dump source and a single bulldozer that spreads the rock to extend the road.

Road Construction (Cont'd)

Road Base Material (Cont'd)

Since the access road is a single lane route with a 12 feet wide crown, locations for passing trucks are necessary. The road has been designed with turnarounds at 900 foot intervals, which will serve as turnarounds for trucks dumping their loads. It will also serve as passing points and as a bonus, these turnarounds will become the sites of power line pole locations. The rock base at these locations will not only provide access for the installations, but will also eliminate the need of costly cribbing around the base of poles. These turnarounds should result in a significant cost savings on power line construction.

Road Base Material (Wasterock)

The most suitable material for a road base is very fortunately available right at the start of the proposed access road, at the Texas Gulf Minesite.

Mine waste rock is an excellent material for road base, when it is laid down it forms an interlocking base that suspends well as a unit mass above the laid down corduroy matte and underlying organics which results in compression of the materials below the road base, and so reduces the amount of creep and welling up of the underlying materials to the roadsides. In addition, the waste rock road base has a steeper angle of repose along the sides of the fill which further reduces tonnage requirements in comparison to sand or gravel road bases. Gravel is the least suited road base material in muskeg areas. Another favourable characteristic is the resistance of a waste rock base to water erosion.

ROAD CONSTRUCTION

Culverts

The following culvert installations are recommended:

The culverts are 16 gauge spiral corrugated galvanized sheet metal.

The purchase price new, quoted at Timmins, is listed below.

13 - 2 ft. diam. culvert 20 ft. long, @ $280.00 each	$ 3,640
2 - 4 ft. diam. culvert 20 ft. long, @ $535.00 each	1,070
4 - 6 ft. diam. culvert 20 ft. long, @ $995.00 each	3,980
TOTAL PURCHASE COST	$ 8,690

Installation cost estimate equal to purchase cost.

Culverts Purchase & Installation Cost $20,000

CLEARING ROAD & POWER LINE ROUTE

Estimated Costs

First Leg -	9,250 ft. length, 50 ft. wide.	
	Contract rate at $3,000/line mile	$ 5,255
	Hauling corduroy trees	8,000
Second Leg -	32,800 ft. length, 100 ft. wide.	
	Contract rate at $6,000/line mile	37,273
	TOTAL	$50,528

MINE YARD CONSTRUCTION

	Area (Sq. Ft)	Depth (Ft.)	Quantity	Estimated Cost
EXCAVATIONS				
Moat	½x30'x1270'	12'	8,467 Yds	$ 9,314
Mine Yard	70,900	7	18,381	20,219
Water Reservoir	20,000	12	8,889	9,778
Escape Raise & Road	3,060	7	793	872
TOTAL			36,530 Yds.	$40,183
FILL				
Mine Yard	70,900	9	27,571 Tons	$59,279
Escape Raise & Road	3,060	9	1,530	3,290
Septic Field Base (Rock)	10,000	3	1,667	3,583
Septic Field Cap (Gravel)	10,000	3	1,667	5,000
TOTAL			32,435 Tons	$71,152

Total of Mine Yard Base $111,335

Excavation Time - 2 Weeks

Yard Fill Time - 3 Weeks

POWER LINE & SUBSTATION

Cost Investigation
November 10, 1981

Transformers - 120,000 Volts Down to 2,300 Volts	
Estimated Price - New	($175,000)
Estimated Price - Used	$100,000
Substation Structures, Hardware Switches & Sundry.	
Estimated Price	$100,000
Installation Labour	$ 35,000
Engineering	$ 15,000
Construction of Concrete Base & Towers	$ 50,000
6.2 Miles of Pole Line @ 75,000/mile	$450,000
TOTAL	$750,000

PLANT CONSTRUCTION

Headframe

Specifications

Height 65', 3 compartment 8' x 22' outside, set on a prepared concrete pad, engineered drawings acceptable to Mine Inspector. Material 10" x 10" B.C. Fir.

Estimated Cost includes all labour & material	$38,475
Steel painted sheeting of shaft headframe	11,000
Shaft house 24' x 36' x 12' ht. Using insulated painted steel sheeting.	16,848
TOTAL	$66,323

Installation Time - 3 Weeks

PLANT CONSTRUCTION (CONT'D)

Concrete Pad

Delivered concrete cost estimated by:

$40.00 Per Yard Delivered

Specification

A concrete pad 200' x 55' x 2' thick reinforced with 2 layers of 3/4" rebar on a 1' grid.

820 Yards of Concrete	$32,800
Rebar and Labour Cost	7,200
TOTAL	$40,000

PLANT CONSTRUCTION (CONT'D)

Butler Buildings

Hoist - Compressor House	$52,800
30' x 80' x 16' ht. (insulated) Unit Cost @ $22.00 per sq. ft. of floor erected on prepared base.	
One partition 30' x 18' x 3.00/sq. ft.	1,620
Extra doors	580
TOTAL	$55,000

PLANT CONSTRUCTION (CONT'D)

Butler Buildings

Estimated

Mechanical - Electrical - Warehouse - Dry Building

40' x 100' x 16' high

Unit Cost @ \$21.00 per sq. ft. of floor, erected on prepared base.

Insulated building with main doors.	\$ 82,000
Three insulated partitions installed @ \$3.00 per sq. ft. 3 x 40' x 18' x \$3.00	21,600
Warehouse Shelving	3,000
Dry, office partitions & plumbing	8,000
Reinforced concrete pad 1' thick, 40' x 100' x 1' = 150 yds. @ \$40/yd.	6,400
Rebar and labour	3,000
Extra doors and windows	2,000
TOTAL	\$126,000

PLANT CONSTRUCTION (CONT'D)

Portables Office, Engineering & Bunkhouse

Estimated

Office Trailer 12' x 50'	$15,000
Engineering Trailer 12' x 50'	15,000
Bunkhouse Trailer 12' x 50' (With 4 rooms & toilet)	17,500
TOTAL	$47,500

NOTE: The rental on the office unit is $450 per month. The total rental cost over 3 years exceeds the purchase cost. Purchase of the portables is recommended.

PLANT CONSTRUCTION (CONT'D)

Pipeline Installations

NOTE: All pipelines will be installed to lie on surface and will be coated where necessary with a waterproof insulation with a "hot wire" wind to withstand winter conditions.

Water Line - 2" Diam. 800' Long	$ 3,500
Mine Discharge Line - 4" Dia. 300' Long	3,000
Mine Yard Draining Ditch 2,500' @ $40/hr.	2,000
Sewage Line - 4" Diam. 500' Long	4,500
Septic Tank & Weeping Tiles	3,000
Pumphouse & Pressure Pump	3,000
TOTAL	$19,000

PLANT CONSTRUCTION (CONT'D)

200 Ton Waste Bin

Specifications

Box 16' x 16' x 24' ht.

Floating 8" x 8" timber 14' ht.

Bottom 8" x 8" timber

Walls 2" x 10" x 16' spruce nailed together to form a 10" thick wall.

8" x 8" timber @ $425.00/1,000 B.Ft.

3,500 B.Ft.	$1,487
Bin Walls 12,000 B.Ft. $489.00	5,868
Labour, nails, bolts, etc.	6,000
Air operated arc-gate chute	1,500
TOTAL	$14,855

100 Ton Ore Bin

Specifications

Box 16' x 16' x 14' ht.

Footing 8" x 8" timber 14' ht.

Bottom 8" x 8" timber

Walls 2" x 10" x 16' spruce nailed together.

8" x 8" Timber @ $426 (3500 B.Ft)	$ 1,487
Bin Walls 7,000 B.Ft. @ $489	3,423
Labour, nails, bolts, etc.	3,000
Air operated arc-gate chute	1,500
TOTAL COST	$ 9,410
8 - "H" beam pilings @ $1,800 Each	14,400
GRAND TOTAL	$38,665

PLANT CONSTRUCTION (CONT'D)

Pilings

Estimated

NOTE: Pilings may be found to be needed to support the waste and ore bins near the shaft. Alarie recommends 8" x 8" "H" beams sunk to bedrock.

Estimated unit cost for about 20 pilings which includes mobilization, labour and steel "H" beams amounts to $1,800 per piling. 70% of this cost is consumed by the cost of the steel.

The planned soil testing that is planned prior to shaft sinking should determine how much if any pilings are necessary. This writer expects that about 8 such pilings will be necessary to provide a firm base for the ore and waste bins.

PLANT EQUIPMENT

Hoist, Electrics & Motor

Quoted

5' Diameter Double Drum Hoist. Complete with electrics, motor, fully tested acceptable and in accordance with current regulations, for both a development and a production hoist. Capable of hoisting 5 ton skips.	$135,000
Estimated cost of mechanical, electrical and engineering labour, to install and test hoist.	35,000
2 Sheave wheels installed.	2,000
2,800' of 1" high test hoisting cable.	7,000
TOTAL	$179,000

PLANT EQUIPMENT (CONT'D)

Compressors

Estimated

NOTE: During underground development drives and diamond drilling 4,000 C.F.M. of compressed air at 100 lb. pressure is required. A peak usage 3 underground diamond drills use 750 C.F.M. each. 4 underground faces use 1,500 to 2,000 C.F.M.

It is recommended that 2 stationary compressors with a 2,000 C.F.M. capacity be purchased and installed.

Price per unit new ($75,000 each)

Used Price (2 x $50,000)	$100,000
2 Receivers 100 lb. pressure approved (2 x $5,000)	10,000
Installation, piping, labour & tests.	10,000
TOTAL	$120,000

Proposed Surface Diamond Drilling

The diamond drilling exploration of the property to date has consisted of intensive exploration of about 1/3 of the mile of strike length of favourable tuff host rock on the property.

The geologic pattern indicates that there is the potential to discover additional gold bearing zones that would out crop along the strike of the tuffs.

The discovery of the deeper set of gold bearing zones in drill hole 81-16 strongly supports the possibility that these gold bearing zones can be projected up-rake to the outcrop ledge extending the mineralized tuffs westwards on strike.

The magnetic survey just completed indicates that the tuffs extend eastward to the boundary. Specific locations of enriched gold mineralization along that trend is yet to be determined but it certainly merits exploration.

Hypothetical, but studied geologic interpretations of the magnetic survey results by this writer, concludes that there is a strong possibility that the same formation of tuffs occurs to the south of the peridotite as well as to the north, where the tuffs have been drilled todate. This possibility should be explored by two proposed drill holes, one at the east end to cross the tuff formations on line 76E. The other hole will be drilled to test for the southern band of tuffs at a point where the tuffs may be in contact with a porphyry intrusive stock.

A total of 10,000 feet of B.Q. core drilling is recommended to test all the possibilities.

Proposed Surface Diamond Drilling (Cont'd)

An ideal time to carry out this drilling is during the shaft sinking period when staff is available and a good contract price can be obtained.

Estimated Cost Contract at \$18.00/Ft. = \$180,000

COLLARING THE SHAFT

About one hundred feet of clay overburden must be penetrated to collar the shaft in bedrock, and to obtain a waterproof, structurly sound collar.

Collaring the shaft in overburden could start only after a waste rock base 9 feet deep set on a clay base after the excavation of a 7 foot deep water saturated organic layer was excavated. A 12 foot deep moat cut 5 feet into the clay base was also needed to eliminate the inflow of water during shaft collaring.

Several approaches and methods have been considered to collar the shaft through the deep overburden. The overburden consists of clay which is water saturated for about the first 15 feet, followed by about 30 feet of clay, 10 feet of a sandy gritty layer followed by 30 - 40 feet of clay and 3 - 5 feet of hardpan and boulders that lie above the steep dipping banded argillite. The shaft should be oriented with its long axis in the N - S direction to cut across the E - W bedding to reduce the possibility of unstable rock and to reduce rock bolting.

The several approaches and methods to collaring the shaft and overburden that were considered are discussed below:

(1) The Freezing Method

This method is very expensive but it is a tried and proven conservative approach, that is not only costly but time consuming.

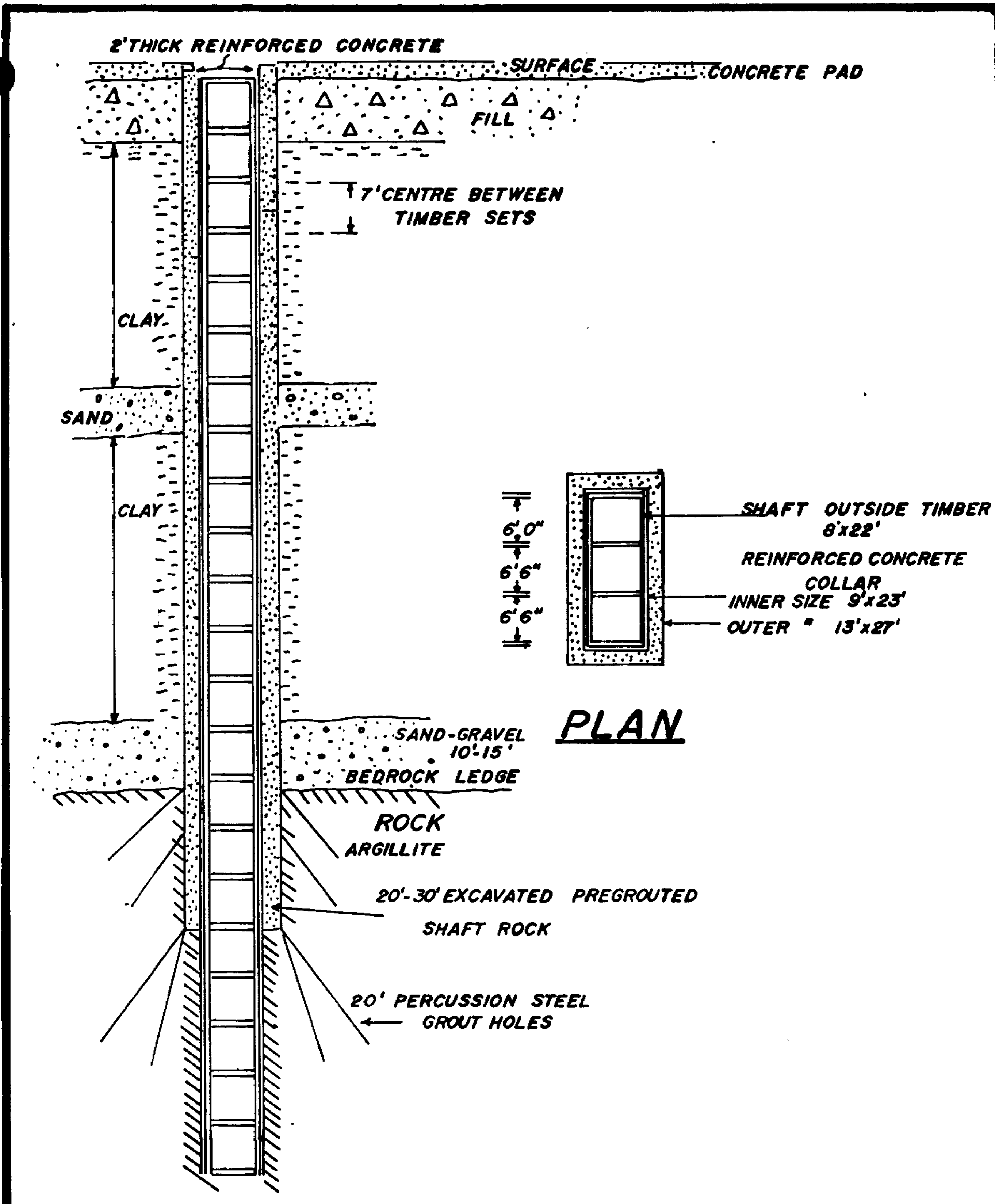
Limited estimated similar costs of $10,000 to 12,000 dollars per foot, which would result in a total cost of 1.25 million dollars. This approach is not recommended.

(2) The Soldier Pile Method

This method was suggested by an engineer of Limited, of Toronto. It is certainly an economic method, but there is some concern that the sandy layer could present difficult problems.

The method consists of drilling augered vertical holes 18" in diam., using drilling mud and using a cutting tool to cut into bed rock about 2 feet to anchor 8" steel I beams that would be dropped in the drilled holes. These holes would be drilled in a pattern to form an outer casing perimeter about 3 feet beyond each side of the outside wall of the planned reinforced concrete shaft collar. When all the I beams have been placed, their tops would be structurly tied to form a rectangular casing. 8" timber would then be fitted between the vertical I beams to form a wall and this wall construction would progress downwards with the gradual excavation of the overburden enclosed. The interior of the casing would be periodically braced.

Note: This method is economical and simple, but it provides a measure of uncertaintly as to whether the sandy layer of overburden may present insurmountable caving problems.



NICKEL OFFSETS LTD.
VERTICAL SECTION
PROPOSED SHAFT COLLAR
SCALE 1" = 20'

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

C. J. Kuryliw
Dec 7 81

COLLARING THE SHAFT (Cont'd)

(3) Excavating The Shaft Perimeter & Concreting The Collar With Overburden in Place.

This method is very simple and direct, and promises to be the most cost effective with the least potential problems foreseeable.

The method consists of excavating a vertical rectangular frame of overburden that is the exact chosen site and dimensions of the reinforced concrete shaft collar.

The excavated overburden will be carried out carefully using both auger drilling rigs and a 2 foot wide dragline clam. When bedrock is reached a rock drilling tool will be used to drill a footing of at least 3 feet into the rock. The overburden excavation will be carried out in a drilling mud medium. The mud will support the overburden walls. Upon completion of the excavation, a frame of reinforcing rods will be lowered down the excavated mud filled rectangular cavity. When the reinforcing frame is in place a quick setting concrete mixture will be pumped to fill the cavity to surface. The drilling mud will float to surface.

After the concrete collar has set, the inner core of overburden will be excavated and the concrete collar will be complete except for the drilling of grout holes and cement grouting of the collar in bedrock

This method is strongly recommended because it will provide the most economic, simple and direct method of penetrating the overburden and at the same time eliminating the need to erect the reinforced concrete shaft collar after excavation.

Summary

Excavating overburden to emplace concrete using drilling mud.	$20,000
Reinforcing rod frame.	5,000
Quick-set concrete - 700 yds. @ $100/yd.	70,000
Labour	30,000
Estimated Total Cost	$125,000

SHAFT SINKING (IN ROCK)

Shaft 130' - 1,050'	=	920' @$1,100/ft.	=	$1,012,000
Shaft Stations 5 x 40'	=	200' @ $800/ft.	=	160,000
Loading Pocket 1 x 20'	=	20' @ $800/ft.	=	16,000
		TOTAL		$1,188,000

NOTE: estimated the above contract costs, which includes his labour, equipment, explosives, the cost and installation of timber, guides, linings, stages, ladders, 4" pump discharge line, a 6" air line, a 2" water supply line and all related hardware required. His estimated price includes the above at the rate of $1,100 per foot.

Underground Equipment & Installations (In Shaft & Stations)

500 Level Pump (11 Stage, Mather & Platt)	$11,000
1000 Level Pump (75 Stage, Mather & Platt)	8,000
Electrical Cable to Pumps (1,250' & 750')	8,000
Electrical Cable to Battery Chargers	4,000
Electrical Cable for Station Lighting & Signal Boxes	2,000
Underground Signal Boxes (5 Stations)	750
Underground Telephones (5 Stations)	250
SUB TOTAL	$34,000
Labour & Fittings on Electrical Installation	36,000
Two Cages Installed ($22,000 each)	44,000
Underground Station Installations (Tracks, Switches, Drain Lines, etc.)	15,000
Retaining Dams on 500' and 1000' Level Sumps	5,000
Miscellaneous Installations	10,000
TOTAL	$144,000

UNDERGROUND LATERAL DRIVES

Levels	Cross-Cuts	West Drift	East Drift	Draw Points	Pump Sump	Totals
350 L	280'	900'	600'	3 x 40		1,900'
500 L	260'	500'	800'	3 x 40	Sump 100'	1,780'
650 L	240'	200'	1,000'	2 x 40		1,520'
800 L	220'	1,000'		1 x 40		1,260'
1000 L	200'					200'
TOTALS	1,200'	2,600	2,400'	360'	100'	6,660

Contract Cost @ $165/Ft. = $1,098,900

NOTE: the above estimated contract cost includes labour, equipment, powder, the cost of rail, ties, pipe, hangers, hoisting and cagetending.

Underground Raising

The first raises driven as indicated on the composite longitudinal section of exploration drives is necessary for the combined purpose of providing ventilation escapeways and the investigation of gold bearing structures along the way. Each level requires one such raise.

Raising with some inclined subdrifts will be required for access to the zones above the levels so that the zones can be explored, mapped and sampled. The decisions on the locations of such raises will be made after some underground diamond drilling has been completed and the results of mapping and sampling of level drives are available.

A total of 2,500 feet of raising is proposed by this writer.

UNDERGROUND DIAMOND DRILLING

Levels	Detail Up Holes @ 50' Cen.	Total D Drill Footage	Detail Down D Holes	Total D Drill Footage	Total
350 W	17 x 150	2,550	10 x 100 2 x 400 1 x 500	2,300	4,850
350 E	16 x 150	2,400	15 x 100	1,500	3,900
500 W	8 x 75	600	3 x 100 3 x 250	1,050	1,650
500 E	13 x 75 6 x 150	1,925	18 x 100	1,800	3,725
650 W	3 x 75	225			225
650 E	16 x 75 6 x 150	2,100	3 x 75 4 x 200 7 x 500 3 x 300 2 x 350 2 x 400 1 x 450 1 x 600 1 x 750	8,725	10,825
800 W	3 x 75	1,475	10 x 500	7,700	9,175
TOTAL					34,350

Contract Cost @ $12.00/Ft. = $401,220

Underground Diamond Drilling

A total of 34,350 feet of diamond drilling is proposed. The drill holes are oriented to drill along the tuffs and across the gold bearing structures. Drill hole sections are spaced at 50 feet intervals, which at this time appears to be adequate to provide sufficient detail to outline ore reserves. Experience gained from underground exploration could modify the proposed pattern of drilling as it progresses. AXT core size or AQ core size is acceptable depending on the best contract rate available. The diamond drilling rate is estimated to average 40 feet per 8 hour shift.

Underground Test Stoping (Bulk Sample)

A 10,000 ton bulk sample that will be obtained from the test stoping of several gold bearing zones is recommended. The gold extraction from this bulk sampled muck should provide a confirmed gold content that can be related to the results of the sampling of drill core and underground muck and chip samples.

The locations of the test stopes will be governed by the results of underground exploration.

The estimated cost per ton broken underground, hoisted to surface and stockpiled at $30 per ton on contract would total $300,000.

ASSAYING COSTS

Estimated No. of Samples		No. of Samples
Underground Diamond Drilling	(34,350')	13,740
Surface Diamond Drilling	(10,000')	3,000
Underground Drifting	(5,360')	
Face Samples (715 x 3)		2,145
Wall Samples (2 x 5360')		8,576
Drifting & Crosscutting Muck Samples		880
Raising (2,500')		
Face Samples		1,050
Wall Samples		4,000
Muck Samples		350
Test Stoping (10,000 Tons)		
Muck Sample every 4 Tons		2,500
Face Chip Samples		1,000
Miscellaneous Assays		650
TOTAL ASSAYS		38,891

Assaying Cost at ($9/Assay)	$350,000
Packing, Handling & Shipping	15,000
GRAND TOTAL	$365,000

Recommended Assaying Set Up

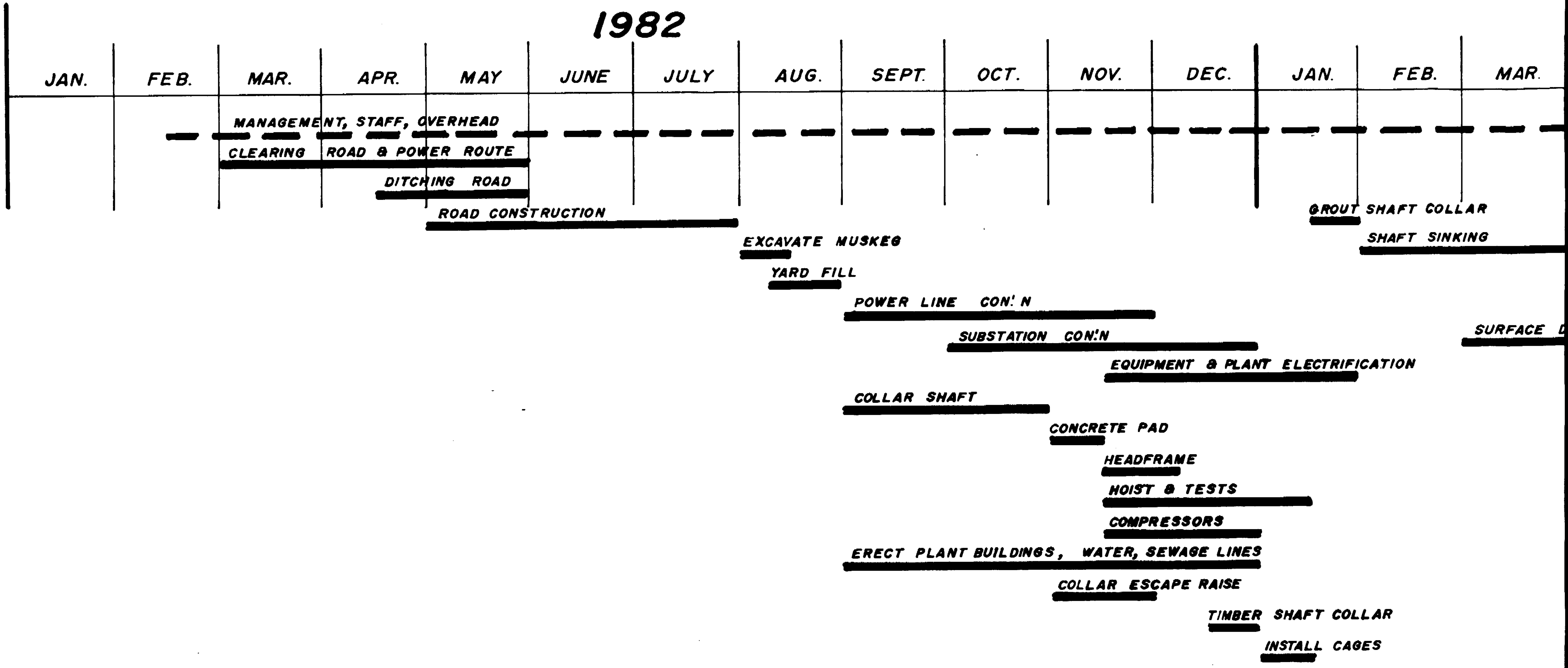
Note: The drifts, raises and test stopes will frequently be following or crossing good gold mineralization. It is imperative that sample assays are returned within one or two days to provide proper control on directing underground work. These conditions can be met by establishing an assay office at the minesite.

The assaying Office can be staffed with employees or an alternate approach is to hire a custom assayer to use the assay office facilities and charge a contract rate per assay.

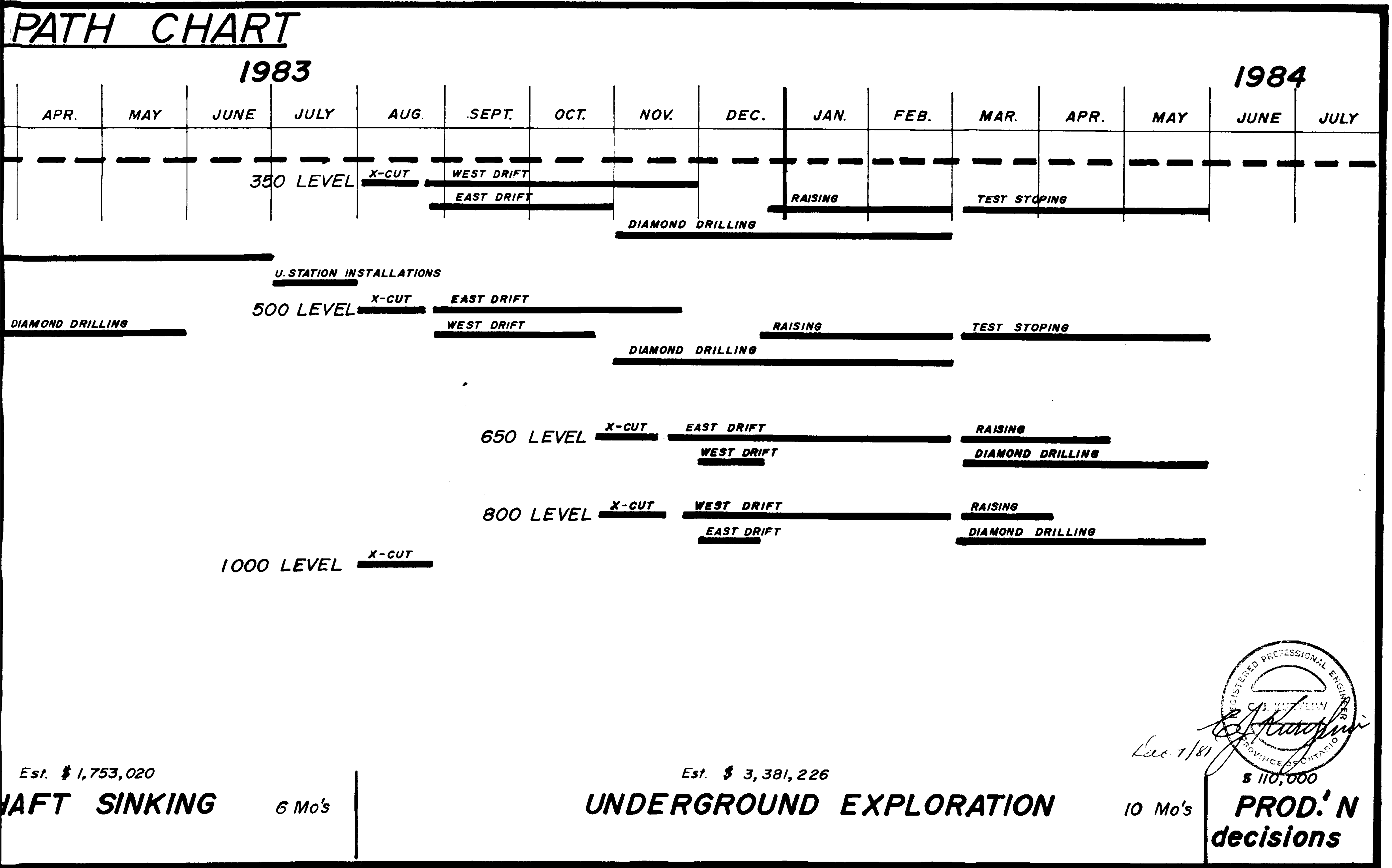
Cost of an Assay Office Building that will includetwo furnaces, a crusher, riffle, pulverizer installation, sample dryers, vent fans, balances and other miscellaneous assaying equipment.	$ 90,000
A custom assayer at the minesite would provide all the labour, maintenance, cupelles, reagents, as necessary for a contract price of $6.00 per assay. (Quote provided by Jack Beck of Cochenour)	
$6 x 38,891 samples	233,346
TOTAL COST	$323,346

NICKEL OFFSETS LTD. Tully Twp. CRITICAL

1982



TOTAL COST Est. $ 7,660,000	Est. $ 582,435 **ACCESS** 6 Mo's **Contracts, Plant Purchases**	Est. $ 1,833,435 **SHAFT COLLAR** 5 Mo's **PLANT INSTALLATIONS**	**SH**


PATH CHART
1983
1984
APR.
MAY
JUNE
JULY
AUG.
SEPT.
OCT.
NOV.
DEC.
JAN.
FEB.
MAR.
APR.
MAY
JUNE
JULY
350 LEVEL
X-CUT
WEST DRIFT
EAST DRIFT
RAISING
TEST STOPING
DIAMOND DRILLING
U. STATION INSTALLATIONS
500 LEVEL
X-CUT
EAST DRIFT
DIAMOND DRILLING
WEST DRIFT
RAISING
TEST STOPING
DIAMOND DRILLING
650 LEVEL
X-CUT
EAST DRIFT
RAISING
WEST DRIFT
DIAMOND DRILLING
800 LEVEL
X-CUT
WEST DRIFT
RAISING
EAST DRIFT
DIAMOND DRILLING
1000 LEVEL
X-CUT
Est. $ 1,753,020
HAFT SINKING
6 Mo's
Est. $ 3,381,226
UNDERGROUND EXPLORATION
10 Mo's
Dec 7/81
$ 110,000
PROD.'N decisions
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

First Period Access (6 Months)

Estimated Costs

Road Clearing & Construction	$356,500
Yard Excavation, Fill & Ditching	114,335
SUB TOTAL	$470,835
Management, Staff & Overhead	111,600
GRAND TOTAL	$582,435

Management, Staff & Overhead (1st Period)

Manager (Per Month)	$ 5,000
Engineer - Surveyor (Per Month)	3,000
Surveyor - Rodman	2,000
Secretary - Accountant	2,000
SUBTOTAL	$12,000
30% Payroll Carrying Charge	3,600
Transportation in Field	1,000
Telephones	300
Office Supplies & Sundry	1,700
TOTAL	$18,600
Total For 6 Month Period	$111,600

Management & Staff Salary Rates

Union labour contracts at the Pamour, Dome and Kidd Creek Mines have miners rates that vary from $9.50 - $11.50 per hour in 1981, and their contract schedules hourly rates of $12.50 - $14.50 per hour for 1983.

On an 8 hour day, 23 day month, at an average rate of $12.00 per hour, the monthly wage is $2,208.00 per month.

This basic rate paid to mine employees in the area is the realistic computation of wage parity.

The projected work in 1983 - 1984 required that staff wages be raised 10% above the previous years rate. This also occurs during a period of heavy work load during underground exploration.

Second Period (5 Months)

Shaft Collaring & Plant Installations

Power Line & Sub Station Installed	$ 600,000
Equipment & Plant Electrification	25,000
Collaring Shaft	125,000
Collaring Escape Raise	25,000
Concrete Pad	40,000
Headframe	66,323
Hoist, Electrics, Sheaves, Ropes Installed	179,000
Compressors and Receivers Installed	120,000
Plant Buildings	415,000
Water & Sewage Lines	19,000
Timbering Shaft Collar and Grouting	60,000
Ore and Waste Bins	38,665
SUB TOTAL	$1,707,988
Management, Staff & Overhead	125,200
TOTAL	$1,833,188

Second Period (5 Months)

Management Staff & Overhead

Manager (Per Month)	$ 5,000
Engineer - Surveyor	3,000
Surveyor - Rodman	2,000
Secretary - Accountant	2,000
SUB TOTAL	$ 12,000
30% Payroll Carrying Charge	3,600
Field Transportation	1,000
Telephone	500
Oil Heating	500
Generator (Rental & Fuel)	2,000
Office Supplies & Sundry	2,000
TOTAL	$ 21,600
Total For Period	$125,200

Third Period - Shaft Sinking (6 Months)

Shaft Sinking Contract	$1,188,000
Underground Equipment & Installations	144,000
Surface Diamond Drilling (Contract 10,000 Ft.)	180,000
Management, Staff & Overhead	241,020
TOTAL	$1,753,020

Third Period - Shaft Sink (6 Months)

Costs of Management, Staff & Overhead

Manager (Per Month)	$ 5,000
Engineer - Surveyor	3,000
Chief Geologist	3,000
Surveyor - Rodman	2,000
Accountant - Secretary	2,000
Electrical - Mechanical Maint. Man	3,500
SUB TOTAL	$ 18,500
Payroll Carrying Charge @ 30%	5,550
Field Transportation (Per Month)	1,000
Electrical for Equipment & Heating	4,000
Telephone	400
Office Supplies & Sundry	2,000
SUB TOTAL	$ 31,450
Truck & Operator Rental (Waste Removal) (23 of 8 hr. days @ $28.50/Hr.)	5,520
Bulldozer (8 of 8 hr. days @ $35.00/Hr.) (Spreading rock waste in yard)	2,200
Snow Plowing and Road Maintenance	1,000
Per Month TOTAL	$ 40,170
TOTAL For Six Month Period	$241,020

Fourth Period (10 Months)

Underground Exploration

Drifting & Crosscutting (6,660 Ft.)	$1,098,900
Raising (2,500 Ft.)	412,500
Diamond Drilling (34,350 Ft.)	401,220
Assaying (38,891 Assays)	323,346
Test Stoping (10,000 Tons)	300,000
Provision For Grouting	50,000
Provision For Rock Bolting	50,000
SUB TOTAL	$2,635,966
Management, Staff & Overhead	745,260
TOTAL For 10 Month Period	$3,381,226

Fourth Period (10 Months)

Underground Exploration

Costs Management, Staff & Overhead

Manager (Per Month)	$ 6,000
Engineer - Surveyor	3,500
Chief Geologist	3,500
Surveyors Helper	2,500
Accountant - Secretary	2,500
Electrical - Mechanical Maintenance Man	4,000
Assistant - Geologist	3,000
Two Underground Samplers ($2,200)	4,400
2 Core Splitters ($2,200)	4,400
1 Truck Driver (Delivery Man)	2,200
SUB TOTAL	$ 36,000
Payroll Carrying Charge @ 30%	10,800
Electricity For Power & Heating	8,000
Field Transportation	2,000
Telephone	500
Office Supplies & Sundry	3,000
Dry Maintenance & Cleaning	2,000
Contract Truckers (Waste Removal & Ore Stockpiling) (23 of 12 Hr. Days)	7,866
Bulldozer (spreading & piling rock) (12 of 8 hr. days)	3,360
Snow Plowing & Road Maintenance	1,000
TOTAL (Per Month)	$ 74,526
TOTAL For 10 Month Period	$745,260

Fifth Period (2 Months)

This 2 month period is set aside for compiling the results of the underground exploration program and finalizing underground engineering and geologic plans to allow Head Office and Mine Management to assess the results and to formulate production plans; if economic factors at that time warrant it.

Management Staff & Overhead (2 Months) $110,000

Note: These costs are reduced from the fourth period by reduced use of electricity, contract trucker, bulldozer and maintenance.

CERTIFICATE

I, Chester J. Kuryliw of 992 Suzanne Street, Timmins, Ontario, do hereby certify that:

(1) I am a Professional Engineer and I am currently employed as a Consulting Geologist for several mining companies.

(2) I am a graduate of:
The University of Manitoba B. Sc. Degree, 1949
The University of Manitoba B. Sc. Degree, 1966

(3) I am a registered Engineer of the Association of Professional Engineers of Ontario and of Manitoba. I am a Fellow of the Geologic Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.

(4) I have practiced my profession for over 32 years, most of those years at gold mines, during which time I often planned, supervised and directed underground exploration, development and production.

(5) My report is based upon visits I made to the Tully Township drilling site during the 1980 drilling program. As the Acting Consulting Geologist, I examined the drill core and consulted on the planned drilling program. I supervised and directed the 1981 diamond drilling program and I logged all that drill core.

(6) I do not own any shares in Nickel Offsets Limited.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

December 7, 1981

Chester J. Kuryliw, P. Eng.

CONSENT

I, Chester J. Kuryliw, M.Sc., of the city of Timmins Ontario. Professional Engineer, HEREBY CONSENT to the filing with the Ontario Securities Commission, the Toronto Stock Exchange and the Directors of Nickel Offsets Limited, my report on that Company's Property in Tully Township, District of Timmins, in Ontario, and to the publication of the report dated December 7, 1981.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

Timmins, Ontario.
December 7, 1981

Chester J. Kuryliw, P. Eng.

LEGEND

OVERBURDEN

SEDIMENTS

TUFF

PERIDOTITE

FAULTS

GEOLOGICAL CONTACTS

80-10 DRILL HOLE COLLAR & NUMBER

0·06/3·1'
0·235/3·2' ASSAY VALUES IN OZ./TON Au PER CORE LENGTH IN FEET

END OF HOLE

63.3960

040

NICKEL OFFSETS 1981 PROGRAM

Hole No.	Location East	Location North	Azimuth	Declination	Length
81-1	4650	215	283	70	759
2	4450	200	270	70	655
3	4150	212	270	70	636
4	4550	200	260	70	654
5	3950	175	280	70	496
6	4350	185	270	70	214
7	3850	155	265	68	260
8	4450	180	275	69	195
9	4350	195	275	69	759
10	4300	212	273	70	914.5
11	4400	210	270	70	1397
12	3850	105	270	70	407
13	3800	107	278	70	501
14	3750	064	300	70	648
15	3700	042	300	-65	1187
16	3690	-020	300	-65	1254
					10936

NICKEL OFFSET LTD.

Extra copy of 81-1

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1 B.Q. Core

SHEET NUMBER 1

SECTION FROM ______ TO ______

STARTED March 1981

LATITUDE 200 + 25 N.

DATUM 1000.

COMPLETED April 10 1981

DEPARTURE 46 + 50 E.

BEARING N. 77° W

No Tropari – no good

ULTIMATE DEPTH 759

ELEVATION 1000

DIP -70° Collar - -70° 150' - 65 500' - 62 350' - 63 750' - 60

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0 - 113.5	Overburden					
113.5-125.0	Andesitic to dacitic Tuff dk. greyish, strongly banded, The fine banding runs along the core in sections where no veins occur, there is about 2% fine pyritic mineralization The bedding undulates along the core. The QTz and QTz carb. veining fills cross fractures across the bedding at several angles. The more persistent and strongest Qtz. veining runs at 60°-80° to the core axis. This appears to be the latest fracture filling Qtz. set and it carries V.G. on occasion. Other Qtz Carb. to Carb. irregular vein alt'n approximately the bedding angle. These carry more coarse PY. and are most common between zones of cross fracturing. The rock is hard and compentent and should provide good wall rock in mining, except along the fissile bedding planes.					
113.5-116.6	Tuff. 2% dissem. PY 2% Q.C. alt'n.	1	3.1	0.05		
116.6-119.0	Qtz. Carb. vein, vuggy, 4% coarse PY.	2	2.4	0.555	0.555	
119.0-122.0	Tuff. 2% dissem. PY. 1% Q.C. Alt'n.	3	3.0	0.07		
122.0-125.0	Tuff. 2% dissem. PY. with a 2" and a ½" and three ¼"Qtz. veinlets at 70° to core.	4	3.0	0.02		
125.0-127.0	Tuff. 60% Qtz. Carb. Alt'n. in veinlets. 1%PY	5	2.0	0.02		

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 2 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
127.0-129.5	Tuff. 70% Qtz. Carb. veinlets at 70% to core, vuggy 3%					
	coarse PY	6	2.5	0.03		
129.5-130.8	Tuff. 5% Q.C. alt'n. 3% dissem. PY.	7	1.3	0.02		
130.8-132.0	Tuff 70% Qtz. Carb. Alt'n. and veinlets, 5% coarse PY	8	1.2	0.02		
132.0-133.4	Tuff. 40% Qtz. carb. Alt'n. and veinlets, 4% coarse Py	9	1.4	TR.		
133.4-134.5	White Qtz. carb. vein at 60° to core, 5% coarse PY. A ¼"					
	bleb of galena with coarse PY. near the edge of the vein.	10	1.1	TR.		
134.5-136.0	Tuff. 40% Qtz. carb. alt'n. 5% PY.	11	1.5	TR.		
136.0-137.8	Tuff. 80% Qtz. carb. alt'n. 4% coarse PY.	12	1.8	.02		
137.8-139.1	Tuff. 5% Q.C. alt'n. irregular stringers, 2% PY. A graphic					
	slip plane at 35° to core. It follows contorted bedding.	13	1.3	.02		
139.1-140.3	Tuff. a 5" and a 2" Qtz. carb. vein at 60° to core axis.					
	3% coarse PY. vuggy.	14	1.2	.025		
140.3-146.0	Tuff. 2% Qtz. Carb. Alt'n. in stringers, 2% dissem. PY.	15	5.7	.015		
146.0-151.0	Tuff. 1% dissem. PY. bedding along the core.	16	5.0	.053		
125.0-140.3	Qtz. carb. zone with a pyritic, with Qtz. veins and veinlets					
	running largely at 60°-70° to the core axis and intervening					
	Tuff is Qtz. Carbonitized by alt'n. of Tuffs, largely along					
	the bedding.					

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
140.3-228.0	Tuff. finely banded, dk. greyish to greenish grey, it					
	becomes progressively greener with mafic minerals with depth.					
	The bedding unulates from 0-20° to the core axis.					
151.0-153.0	Tuff. 15% Qtz. Carb. alt'n. and 3% PY.	17	2.0	.005		
153.0-155.0	Tuff. 20% Qtz. Carb. Alt'n. along the core, 4% PY. vuggy	18	2.0	.005		
155.0-159.0	Tuff. ½% PY	19	4.0	TR.		
159.0-164.0	Tuff. 2% Q.C. alt'n. 1% PY.	20	5.0	.035		
164.0-167.0	Tuff. 10% Q.C. alt'n. 1% PY.	21	3.0	.015		
167.0-170.0	Tuff. 5% QC. alt'n. 1% PY.	22	3.0	.015		
170.0-174.0	Tuff. 5% Q.C. alt'n. along bedding, 1% PY.	23	4.0	TR.		
174.0-177.0	Tuff. 5% Q.C. alt'n. 1% PY.	24	3.0	TR.		
177.0-180.0	Tuff. minor QTZ minor PY.	25	3.0	TR.		
180.0-183.5	Tuff. 2½' of vuggy cave and ground core that contains about					
	30% Qtz. vuggy with PY.	26	3.5	.01		
183.5-187.0	Tuff. 3% Q.C. alt'm. 1% PY.	27	3.5	.01		
187.0-189.0	Tuff. 3% Qtz. minor PY.	28	2.0	TR.		
189.0-192.0	Tuff. greenish 2% Q.C. alt'n. ½% PY.	29	3.0	TR.		
192.0-195.3	Tuff. minor Q.C. alt'n. greenish ½% PY.	30	3.3	.065		
195.3-196.0	Tuff. a 5" Q.C. vein at 60° to core, 2% PY.	31	.7	TR.		
196.0-200.0	Tuff. greenish minor Qtz., minor PY.	32	4.0	TR.		
200.0-205.0	Tuff. greenish grey; minor Q.C. alt'n. minor PY.	33	5.0	TR.		

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
205.0-208.5	Tuff. 2% Q.C. alt'n. ½% PY.	34	3.5	Tr.		
208.5-209.5	Tuff. 80% Qtz. carb. Alt'n. 5% coarse PY.	35	1.0	0.86	0.84	
209.5-21215	Tuff. 10% Q.C. alt'n. 4% coarse PY.	36	3.0	0.145		
212.5-216.5	Tuff. several fine Calcitic fractures run at 75° to core, parallel to calcitic breccia fault at 212.5. The fault runs at 70° to core axis.	37	4.0	Tr.		
216.5-219.0	Tuff. 5% calcitic fractures at 70° to core. 3% coarse PY.	38	2.5	.01		
219.0-220.0	Tuff. Two 1" Qtz. veinlets 2% PY.	39	1.0	Tr.		
220.0-223.5	Tuff. A few narrow calcitic fractures at 70° to core 1% PY.	40	3.5	.005		
223.5-225.8	Tuff. 5% Q.C. alt'n. 6% coarse PY.	41	2.3	.04		
225.8-228.0	Tuff. 3% Q.C. alt'n. 7% coarse PY. streaks.	42	2.2	.055		
228.0-229.1	Tuff. Qtz. vein contacts at 70° to core. 4% coarse PY	43	1.1	.02		
229.1-230.0	Tuff. 50% Qtz. at 60° to core. 5% coarse PY.	44	.9	.05		
230.0-231.7	Tuff. 20% Qtz. carb. alt'n. along bedding. 5% coarse PY.	45	1.7	.005		
231.7-232.7	Tuff. A Qtz. vein 60° to core. 10% coarse PY. and several specs of chalco PY. Looks good.	46	1.0	.09		
232.7-235.0	Tuff. 80% Qtz. carb. vein 4% coarse PY.	47	2.3	.015		
235.0-239.0	Tuff. 10% Qtz., 3% PY.	48	4.0	.095		
239.0-241.7	Tuff. minor Qtz. minor PY.	49	2.7	.05		
241.7-242.8	Tuff. 10% Q.C. alt'n.	50	1.1	.09		
242.8-244.7	Qtz. vein, veiggy, 4% coarse PY.	51	1.9	.065		

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
244.7-247.2	Tuff. 3% Qtz. carb., 2% PY.	52	2.5	.005		
247.2-249.3	Tuff. a Qtz. vein, vuggy, 2% coarse PY.	53	2.1	TR.		
249.3-251.0	Tuff. 3% Qtz. in stringers, 3% PY.	54	1.7	.005		
251.0-251.7	Tuff. a ½" Qtz. vein that carries 30% coarse PY. runs at 60° to core, and carries several fine specs of V.G. in one spot in the vein. Some additional Qtz. carb. alt'n. along the bedding at 20° to core.	55	.7	.39	40.41	c
251.7-252.5	Tuff. a Qtz. vein at 40° to core, 5% PY.	56	.8	TR.		
252.5-253.5	Tuff. 5% Qtz. carb. 2% PY.	57	1.0	.005		
253.5-255.0	Tuff. a Qtz. vein, 2% PY.	58	1.5	TR.		
255.0-257.0	Tuff. 80% Qtz. vein, irregular vuggy, 3% PY.	59	2.0	TR.		
257.0-259.0	Tuff. 90% irregular Qtz., 1% PY.	60	2.0	1.84	1.85	
259.0-261.2	Tuff. 90% Qtz. vein, 2% PY vuggy.	61	2.2	.015		
261.2-262.4	Tuff. 90% Qtz. vein, 7% coarse PY.	62	1.2	.005		
262.4-263.7	Tuff. 30% Qtz. in veinlets at 70° to core, 4% PY.	63	1.3	.015		
263.7-264.8	Tuff. minor Qtz. 1% PY.	64	1.1	.005		
264.8-266.0	Tuff. 90% Qtz. carb. vein, 70% coarse PY.	65	1.2	.06		
228.0-266.0	The number two zone structure about 50% Qtz. and Qtz. carb. veins, in Tuff. with some coarse PY and V.G. at 251.0					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
266.0-382.0	Tuff. greenish grey, finely banded with banding running at 10°-30° to core axis. The Tuff. is more andesitic but is of intermediate composition, generally barren.					
266.0-268.0	Greenish Tuff. minor Qtz. 1% PY	66	2.0	.03		
268.0-272.5	Greenish Tuff. minor Qtz. minor PY.	67	4.5	TR.		
272.5-277.5	Greenish Tuff. Minor Qtz. minor PY.	68	5.0	TR.		
277.5-282.5	Greenish Tuff. minor Qtz. minor PY.	69	5.0	.005		
282.5-285.0	Tuff. minor Qtz. minor PY.	70	3.0	TR.		
285.0-288.0	Tuff. minor Qtz. minor PY.	71	3.0	.005		
288.0-289.7	Tuff 40% Qtz. carb. irregular with patches of coarse PY.	72	1.7	.015		
289.7-293.0	Tuff. minor Qtz. minor PY.	73	3.3	.035		
293.0-294.2	Tuff. 10% Qtz. in irregular veinlets, 4% coarse PY.	74	1.2	.035		
294.2-297.2	Tuff. minor Q.C. alt'n. 1% PY.	75	3.0	.03		
292.2-299.2	Tuff. Two 2" Qtz. veinlets at 70° to core, with 7% coarse PY	76	7.0	.01		
299.2-300.3	Tuff. 5% Q.C. alt'n. 1% PY	77	1.1	.025		
300.3-305.5	A glomerate or partly brecciated Tuff. along the bedding, minor Qtz. minor PY.	78	5.2	TR.		
305.5-310.0	Brecciated Tuff. along bedding with some graphite smeared along bedding.	79	4.5	TR.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
310.0-311.0	A greyish Qtz. carb. vein with patches of coarse crystaline					
	cubic form, arseno pyrite.	80	1.0	.02		
311.0-313.0	Grey Qtz. carb. vein, minor arseno PY., minor PY.	81	2.0	.015		
313.0-315.5	Tuff. minor Qtz., minor PY.	82	2.5	Tr.		
315.5-317.5	30% grey, Qtz. carb. vein along the bedding. It carries a					
	streak of coarse cubic arseno PY. near its edge	83	2.0	.04		
317.5-319.0	Greenish grey Tuff., some brecciation	84	2.0	Tr.		
319.0-324.0	Tuff. greenish, banded, minor Q.C. alt'n. minor PY.	85	5.0	.01		
324.0-328.0	Tuff. minor Qtz. 1% PY	86.	4.0	.01		
328.0-330.7	70% grey Qtz. carb. vein with a streak of coarse cubic arseno					
	PY. along its edges.	87	2.7	.05		
330.7-334.7	Tuff. greenish, 5% Q.C. alt'n. minor PY.	88	4.0	.025		
334.7-339.3	Tuff. 5% Q.C. alt'n. ½% PY.	89	4.6	.005		
339.3-341.1	Tuff. greenish, minor Qtz., minor PY.	90	1.8	.003		
341.1-342.7	Tuff. 60% glassy Qtz. veins, 5% PY.	91	1.6	Tr.		
342.7-344.3	Tuff. greenish minor Q.C. alt'n. minor PY.	92	.6	Tr.		
344.3-345.1	A glassy Qtz. vein at 40° to core. 2% PY.	93	.8	.01		
345.1-348.0	Tuff. Two ¼" Qtz. stringers, 1% PY.	94	2.9	.02		
348.0-350.0	40% glassy Qtz. vein at 30° to core 2% PY.	95	2.0	Tr.		
350.0-350.7	Glassy Qtz. vein at 50° to core axis. 5% streak of					
	massive PY.	96	.7	.03		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 8 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
350.7-353.5	Tuff. with numerous graphitic streaks and Qtz. carb. vein-					
	lets. that carry streaks of massive PY. The Qtz. and					
	graphite run at 35° to the core axis.	97	2.8	0.12		
353.5-355.8	A Qtz. vein with 7% streaks of massive PY	98	2.3	.015		
355.8-358.3	Tuff. 5% Q.C. alt'n. 3% PY. some streaks of graphite	99	2.5	—	missing	
358.3-362.0	Tuff. with 3% Q.C. alt'n. and some graphitic streaks and					
	brecciation to the Tuff.	100	3.7	TR.		
362.0-367.0	Tuff. with bedding at 30° to core axis, 2% PY.	101	5.0	.005		
367.0-368.7	Tuff. with a ½" streak of massive graphic along Tuff.					
	bedding that runs along at 30° to core axis. 5% Q.C. alt'n.					
	5%PY.	102	1.7	Tr.		
368.7-371.0	Tuff. 5% Q.C. alt'n. 3% PY. some breccia along the bedding	103	2.3	.035		
371.0-372.5	Qtz. vein, irregular with some pink carb. and 2% PY.	104	1.5	Tr.		
372.5-375.8	Tuff. 7% Qtz. in irregular veinlets, 3% PY.	105	3.3	.045		
375.8-381.0	Tuff. greenish, minor Q.C. alt'n. minor PY.	106	5.2	.005		
381.0-382.1	Tuff. 7% Qtz. carb. in stringers, 7% streaks of coarse PY.	107	1.1	.015		
382.1-383.0	Tuff. A 3" vuggy Qtz. carb. vein runs at 70° to the core					
	and carries a patch of coarse V.G. about 1½x½m.m. area on					
	the edge of a vug in Qtz.-382.4	108	.9	.155	.165	.17
383.0-384.0	Tuff. 30% Qtz., 7% coarse PY.	109	1.0	Tr.		
384.0-386.0	Irregular Qtz. vein, 4% coarse PY.	110	2.0	.02		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUE	
386.0-388.5	Tuff. 10% Qtz. carb. 3% PY.	111	2.5	.085		
388.5-392.0	Tuff. minor Q.C. alt'n. 2% PY.	112	3.5	.02		
392.0-392.6	Tuff. A 2" Qtz. vein at 70° to core, 2% PY.	113	.6	.04		
392.6-395.5	Tuff. Banded at 20° to core, 1% PY.	114	2.9	.01		
395.5-396.9	Tuff. A 2" and a 1" Qtz. carb. vein, 2% PY.	115	1.4	TR.		
396.9-399.5	Tuff. finely banded at 30° to core, minor PY.	116	2.6	TR.		
399.5-404.7	Tuff. finely banded at 30° to core,axis, 1% PY	117	3.2	TR.		
404.7-409.5	Tuff. minor Q.C. alt'n. 2% PY.	118	4.8	TR.		
409.5-411.3	Tuff. 30% Qtz. carb. along the banding, 2% PY. and a streak					
	of dissem. arseno PY.	119	1.8	.01		
411.3-412.7	Andesite 5% Qtz. carb. minor PY.	120	1.4	TR.		
412.7-413.8	Qtz. carb. vein, at 30° to core 1% PY.	121	1.1	TR.		
382.0-386.0	Qtz. carb vein zone structure, with a speck of V.G. at					
	382.4					
386.0-411.3	Tuff. greenish to greenish grey, finely banded, at 20-30°					
	to core axis with some Q.C.alt'n. and streaks of PY.					
411.3-452.5	Basic Tuff. Andesitic composition, some banding still					
	evident at 20-30° to core, somewhat massive appearance,					
	dk. greenish.					
421.6-422.5	Andesitic Tuff. 30% Qtz. in veinlets. 1% PY	122	.9	TR.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
452.5-530.0	Tuff. Andesitic to dacitic becomes lighter coloured to buff grey shades deeper in the hole, with much less Qtz.carb. alt'n. fracturing and Pyritic mineralization. The banding runs at 20-35° to the core.					
452.5-455.2	Tuff. 5% Qtz. carb. along bedding 5% coarse PY.	123	2.7	Tr.		
456.7-459.5	Tuff 5% irregular Qtz. carb. alt'n. along bedding, 1%PY.	124	2.8	Tr.		
460.8-464.4	Tuff, 5% Qts. carb. along bedding, 1% PY.	125	3.6	Tr.		
480.7-482.1	Tuff. 10% irregular Qtz. carb., 2% PY.	126	1.4	Tr.		
502.2-503.7	Tuff. banding at 30° to core, 10% Q.C. alt'n. 5% PY.	127	1.5	Tr.		
530-0-550.0	A black graphitic sediment with streaks of PY. and graphite along the bedding which runs at 0-20° to core axis...					
530.0-532.2	Graphitic sediment 20% banded nodular PY. 5% Qtz.carb. and graphitic.	128	2.2	.01		
532.2-534.5	Graphitic black sediment 20% nodular PY. in bands, 5% Q.C. alt'n.	129	2.3	.01		
534.5-538.0	Black graphitic sed. 5% Q.C. alt'n. 3% PY.	130	3.5	Tr.		
561.0-563.8	Buff sediment or Tuff. finely banded at 30° to core. 30% irregular Qtz. along the bainding, 3% PY.	131	2.8	Tr.		
567.0-568.0	Black graphitic sed. 30% Qtz. carb. along banding 3% PY	132	1.0	Tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 11 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUE	
576.8-578.4	Black graphitic sed. 30% Qts. carb. in stringers along the					
	banding, 3% PY	133	1.6	TR.		
586.0-586.6	Black graphitic sed. 30% Qtz. carb. along banding, 3% PY.	134	.6	TR.		
598.0-599.5	Black graphitic sed. 10% Qtz. carb. along banding, 5% coarse					
	PY.	135	1.5	TR.		
620.5-624.2	Black sediment, 20% qtz. carb. along bedding, 3% PY.	136.	3.7	TR.		
628.2-630.0	Black sediment, 20% Qtz. in irregular fractures, 1%PY.	137	1.8	.005		
693.0-693.8	Black sediment, 30% Qtz. carb., 2% PY.	138	.8	TR.		
700.0-702.0	Glassy Qtz. vein with contacts at 70° to core, barren					
	except for PY. along edges.	139	2.0	TR.		
550.0-759.0	Black to grey graphitic sediment argillaceous finely banded					
	with bedding at 30° to core. Qtz. carb. occurs only as narrow					
	stringers along the bedding. At 691.0 a fault breccia with					
	some calcite filling.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-1

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	DIP TESTS.					
	FOOTAGE / ETCHANGLE / Corrected Angle to True Dip					
	150' / 71° / 65°					
	350' / 69° / 63°					
	500' / 68° / 62°					
	750' / $66\frac{1}{2}^{\circ}$ / 60°					

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NICKEL OFFSET LTD. Extra copy - 81-2

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 1 SECTION FROM ______ TO ______ STARTED April 1 1981

LATITUDE 2+00-N DATUM ______ COMPLETED APRIL 30, 19...

DEPARTURE 44+50 E BEARING Due West Collar - 70° West ULTIMATE DEPTH 655'

ELEVATION 1000 DIP 200' -69° N-88-W; 350'- 66° N-88-W; 500'-67° N-82-W; 650'- 45° N-51-W PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUE	
0 - 104.0	Casing in overburden					
0.7	Organic peat and swamp					
7 - 90'?	Clay					
90 - 100	Sand, gravel and boulders					
at 100'	Bedrock					
100-110.0	Andisitic to dacitic Tuff, dk. greyish, strongly banded at about 15° to core axis. Some slight graphitic sections, minor Q.C. alt'n. 1-2% dissem. PY.					
110.0-137.8	Tuff, with about 40% Qtz. carb. vein structures and alt'n. that carry brecciated to fractured portions of Tuff. The veins have varying orientations, with some vein edges running at 50°-70° to core and others running at acute angles to the core. 2-4% PY. mineralization throughout with a rare trace of Chalco PY. narrow graphitic sections.					
137.8-179.0	Tuff. dk. greyish strongly banded at 5-10° to the core axis with some Qtz. carb. vein sections running at 50-70° to the core-axis.					
100 - 105.0	Tuff. minor Q.C. alt'n. 2% PY.	140	5.0	.005		
105.0-109.7	Tuff. 3% Q.C. stringers, 1% PY.	141	4.7	.005		
109.7-112.0	Tuff, Partly silicified, 15% Q.C. in stringers along the banding, 1% PY.	142	2.3	.015		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 2 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
112.0-112.9	Tuff. 25% Qtz. carb. in veinlets 3% PY.	143	.9	.005		
112.9-114.6	Tuff. 80% Qtz. carb. vein with contacts at 50-70° to core					
	4% coarse PY.	144	1.7	.005		
114.6-115.9	Tuff. 70% Qtz. vein 4% coarse PY.	145	1.3	.005		
115.9-117.4	Tuff. 40% Qtz. carb. 7% coarse PY.	146	1.5	Tr.		
117.4-118.9	Tuff. graphitic, about 30% Qtz. carb., 3% PY.	147	1.5	Tr.		
118.9-120.0	Tuff. 70% Qtz. carb. largely along core, 5% coarse PY.	148.	1.1	Tr.		
120.0-122.0	Tuff.70% Qtz. carb., mostly along the core, 7% coarse PY.	149	2.0	.005		
122.0-125.0	Tuff. 5% Qtz. carb. 4% PY	150	3.0	Tr.		
125.0-125.9	Qtz. vein with contacts at 60° to core axis, 2% PY	151	.9	Tr.		
125.9-129.2	Tuff. minor Q.C. alt'n. 1% PY.	152	3.3	Tr.		
129.2-131.2	Tuff. Two 2" Qtz. veins at 60° to core, 5% PY. throughout					
	trace of Chalco.	153.	2.0	.005		
131.2-132.0	Tuff. A 6" Qtz. carb. vein at 70°to core, 7% coarse PY					
	looks good.	154	.8	Tr.		
132.0-134.0	Tuff. 40% pink Qtz. carb. 2% PY.	155	2.0	Tr.		
134.0-135.9	Tuff. 40% pink Qtz. carb. 2% PY.	156	1.9	Tr.		
135.9-137.8	Tuff. 70% pink Qtz. carb. minor PY	157	1.9	Tr.		
137.8-141.0	Tuff. 5% Qtz. carb. 3% PY.	158	3.2	Tr.		
141.0-144.8	Tuff. 3% Qtz. carb. 2% PY. with banding along core	159	3.8	.005		
144.8-146.7	Tuff. 15% Qtz. in veinlets, 3% PY.	160	1.9	Tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
146.7-151.0	Tuff. 5% Q.C. alt'n. 1% PY	161	4.3	.005		
151.0-152.6	90% Qtz. vein with contacts at 60° to core axis, minor PY, some apple green alt'n.	162	1.6	Tr.		
152.6-154.6	Tuff. 15% Qtz. veinlets, 1% PY.	163	2.0	.005		
154.6-158.6	Tuff. minor Q.C. alt'n. minor PY.	164	4.0	Tr.		
158.6-161.8	Tuff. 5% Qts. carb. minor PY. banding undulates along core	165	.2	Tr.		
161.8-164.0	Tuff. minor Q.C. alt'n. minor PY.	166	2.2	Tr.		
164.0-165.6	Qtz. Carb. vein with pink carb. contacts at 70° to core minor PY	167	1.6	Tr.		
165.6-173.7	Tuff. 3% Qtz. carb. 2% PY.	168	8.1	Tr.		
173.7-178.6	Tuff. 3% Q.C. alt'n. minor PY bedding undulates along core	169	4.9	Tr.		
179.0-194.0	Tuff. partly silicified with 20% Qtz. carb. veinlets and pyritic mineralization. Tuff banding is largely subdued and some graphitic shear at 186.0					
194.0-227.0	Andesitic Tuff. strongly banded with fine contortions, greenish, the banding undulates from 0 - 30° to core axis, some calcite filled cross fractures. Some"aglomerate-breccia" at 226.5 - 227.0					
227.0-255.0	Tuff. greyish, finely banded at 20° to core axis, some calcitic cross fractures, generally barren.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
178.6-181.2	Tuff. 10% Qtz. carb. alt'n. 2% PY. to ¼% brown sphalerite	170	2.6	.005		
181.2-183.4	Silicified Tuff. 40% Qtz. carb. veinlets, 3% PY trace sphalerite	171	2.2	.01		
183.4-185.0	Silicified Tuff. 20% Qtz. carb. 2% PY.	172	1.6	Tr.		
185.0-186.5	Tuff. highly graphitic, with a 2" Qtz. veinlet, 1% PY	173	1.5	Tr.		
186.5-187.5	80% Qtz. running along the core 10% coarse PY., graphitic					
	edge to vein.	174	1.0	.005		
187.5-189.0	Graphitic Tuff. 5% Qtz. carb., 2% PY.	175	1.5	Tr.		
189.0-190.7	Tuff. silicified 40% Qtz. carb. ½%PY.	176	1.7	.005		
190.7-194.0	Silicified Tuff. 10% Qtz. carb. some vuggy calcitis					
	stringers, 1% PY	177	3.3	.015		
194.0-198.0	Andesitic Tuff. minor Q.C. alt'n. minor PY.	178	4.0	.01		
198.0-203.0	Andesitic Tuff. minor Q.C. alt'n. ½% PY.	179	5.0	.005		
203.0-208.0	Andesitic Tuff. minor calcitic alt'n. minor PY.	180	5.0	.005		
208.0-210.0	Andesitic Tuff. 20% Qtz. carb. in veinlets, minor PY.	181	2.0	Tr.		
210.0-213.0	Andesitic Tuff. 5% Q.C. alt'n. 1% PY. finely contorted	182	3.0	Tr.		
	banding that are runs 15°-30° to core axis.					
213.0-218.0	Andesitic Tuff. 5% Q.C. alt'n. minor PY.	183	5.0	Tr.		
218.0-222.6	Andesitic Tuff. 5% calcitic fractures, minor PY.	184	4.6	Tr.		
222.6-227.3	Andesitic Tuff. Highly contorted fine banding at 20°-35°					
	to core axis, minor PY.	185	4.7	Tr.		
227.3-228.3	Tuff. A 3" Qtz. carb. veinlet at 50°-70° to core. 3% PY.	186	1.0	Tr.		

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
228.3-231.2	Tuff. minor Q.C. alt'n. 1% PY. fine banding at 30-50° to core axis.	187	2.9	Tr.		
231.2-231.8	Tuff. A 3" Qtz. carb. vein at 50-70° to core axis. 2%.PY.	188	.6	.005		
231.8-237.0	Andesitic to docitic Tluff. finely contorted banding at about 45° to core.axis at 233.0 and at 20° to axis at 236.0	189	5.2	Tr.		
237.0-241.5	Tuff. docitic 5% Q.C. alt'n. ½% PY.	190	4.5	Tr.		
241.5-243.3	Tuff. minor Q.C. alt'n. 1% PY. fine banding at 20° to core	191	1.8	Tr.		
243.3-244.0	Tuff. A 1" Qtz. veinlet at 60° to core, 1% PY. in vein.	192	0.7	.005		
244.0-247.0	Tuff. 5% Q.C. alt'n. 1% PY.	193	3.0	Tr.		
247.0-250.8	Tuff. 5% Q.C. alt'n. 2% PY. finely banded at 20-30° core axis	194	3.8	Tr.		
250.8-252.5	Qtz. vein with contacts at 45 and 20° to core, 2% PY.	195	1.1	Tr.		
252/5-254.7	Tuff. minor Q.C. alt'n. minor PY.	196	2.2	Tr.		
254.7-258.0	Tuff. with irregular Qtz. carb. stringers along the bedding and the core, 1% PY.	197	3.3	Tr.		
258.0-261.3	Tuff. 15% Qtz. carb. stringers along the bedding, 1%PY.	198	3.3	Tr.		
261.3-266.0	A glomerate or lapilli Tuff. with irregular Qtz. carb. veinlet running along the core. Contact between Tuff. and aglomerate 2% PY.	199	4.7	Tr.		
266.0-266.7	Aglomerate. A 3" Qtz. carb. vein 1% PY.	200	.7	Tr.		
266.7-269.5	Aglomerate, 10% Q.C. alt'n. 3% py	201	2.8	Tr.		

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
269.5-271.8	Aglomerate, two 3" Qtz. veinlets at 60° to core 1% PY	202	2.3	Tr.		
271.8-276.0	Lapilli Tuff or fine aglomerate. Dacitic to andesitic					
	composition. 5% Q.C. alt'n 1% PY	203	4.2	Tr.		
276.0-281.0	Lapilli tuff minor Q.C. alt'n. minor PY	204	5.0	Tr.		
281.0-286.0	Lapilli tuff minor Q.C. alt'n. minor PY	205	5.0	Tr.		
286.0-289.5	Lapilli tuff. minor Q.C. alt'n. minor PY	206	3.5	.005		
289.5-290.3	A 7" Qtz. carb. vein at 70° to core 3% coarse PY	207	.8	Tr.		
290.3-292.5	Aglomerate. 5% Q.C. alt'n. 1% PY	208	2.2	.04		
255.0-318.6	Lapilli tuff. or fine aglomerate with fragments up to 6mm					
	in diam. Aligned along the bedding. The contact between					
	aglomerate and tuff is occupied by an irregular Qtz. carb.					
	stringer alt'n. and some pyritic mineralization					
318.6-(369.)	A vein zone structure in tuffs. it contains about 40% Qtz.					
	veins with 3-5% PY mineralization and some schistose					
	graphitic sections in tuff portions from 360'-370'					
292.5-297.5	Andesitic tuff. 5% Q.C. alt'n. minor PY	209	5.0	Tr.		
297.5-302.4	Andesitic tuff. minor Q.C. alt'n. minor PY	210	4.9	Tr.		
302.4-308.0	Andesitic tuff. minor Q.C. alt'n. 1% PY	211	5.6	Tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
308.0-309.0	A 10" Qtz. carb. vein contacts at 60° to core, minor PY	212	1.0	Tr.		
309.0-312.0	Andesitic tuff. minor Q.C., alt'n. .minor Py	213	3.0	Tr.		
312.0-316.0	Andesitic tuff. minor Q.C., alt'n. minor PY	214	4.0	Tr.		
316.0-318.6	Andesitic tuff. minor Q.C., alt'n. 1% PY	215	2.6	.005		
318.6-320.7	Tuff. 20% Qtz. carb. in veinlets 5% coarse PY	216	2.1	.195	.20	
320.7-321.5	Tuff. 70% Qtz. vein, 10% coarse PY	217	.8	.10		
321.5-323.1	Tuff. 80% Qtz. vein, 5% coarse PY	218.	1.6	.015		
323.1-323.8	Tuff. A 4" Qtz. carb. veinlet that carries 5% coarse PY	219.	.7	.02		
323.8-324.6	An 8" Qtz. carb. vein with contacts at 50° to core. It					
	carries 5% coarse PY	220	.8	.02		
324.6-326.7	Tuff. 15% Qtz. carb. veinlets, 5% coarse PY	221	1.9	.02		
326.7-328.2	Tuff. a 3" Qtz. veinlet with 2% Py	222	1.5	.04		
328.2-329.6	Qtz. carb. vein 4% coarse PY	223	1.4	Tr.		
329.6-331.0	Qtz. vein, contact at 50° to core. Some coarse PY along					
	edge of Qtz.	224	1.4	Tr.		
331.0-332.7	Tuff. 5% Qtz. carb. 2% PY	225	1.7	.035		
332.7-334.5	Tuff. 60% Qtz. veins at 60° to core 3% PY	226	1.8	.005		
334.5-336.0	Tuff. 60% Qtz. 3% PY	227	1.5	Tr.		
336.0-337.8	Tuff. 60% Qtz. 3%PY some graphitic	228	1.8	Tr.		
337.8-339.2	Glassy white Qtz. vein, minor PY	229	1.4	Tr.		
339.2-340.8	Glassy Qtz. vein, minor PY	230	1.6	Tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 8 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
340.8-342.8	Tuff. 15% Qtz. carb. vein, 5% coarse PY.	231	2.0	.01		
342.8-344.1	Tuff. 5% Qtz. carb. 1% PY	232	1.3	.045		
344.1-346.1	T 90% Qtz. vein, 1% PY	233	2.0	.005		
346.1-347.3	Tuff. 60% Qtz. carb. 5% coarse PY	234	1.2	.085		
347.3-349.8	Tuff. 10% Qtz. carb. 1% PY.	235	2.5	.175		
349.8-351.0	A glassy white Qtz. vein with some coarse PY along its edge	236	1.2	Tr.		
351.0-352.4	Glassy white Qtz. vein, with some PY along its contact,					
	also some pink carbonate.	237	1.4	.03		
352.4-355.2	Tuff. 7% Qtz. carb. vein, 1% PY	238	2.8	.075		
355.2-357.4	Tuff. 40% Qtz. carb. vein ireg. 1% PY	239	2.2	.13		
357.4-358.7	90% white glassy Qtz. 2% PY mostly along the edges	240	1.3	Tr.		
358.7-360.5	Tuff. 80% Qtz. carb. vein, 10% coarse PY looks good. Some					
	heavy graphite.	241	1.8	.005		
360.5-362.0	Tuff. 15% Qtz. carb. along core 2% PY	242	1.5	.005		
362.0-363.5	Graphitic tuff. 70% Qtz., 2% PY	243	1.5	.165		
363.5-365.6	Graphitic tuff. 5% Q.C. alt'n. 2% PY	244	2.1	.025		
365.6-366.8	Graphitic tuff. strongly sheared, 30% Qtz.carb. 4% PY	245	1.2	.005		
366.8-368.7	Glassy Qtz. vein with graphitic tuff. along the edges,#					
	3% PY	246	1.9	Tr.		
368.0-370.4	Tuff. 80% glassy Qtz. vein 1% PY	289	2.4	Tr.		
370.4-371.7	Tuff. finely banded at 20-30° to core minor Q.C. alt'n.1%PY	290	1.3	Tr.		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
371.7-373.7	Tuff. 70& Q.C. alt'n. 5% coarse PY	291	2.0	Tr.		
373.7-376.9	Andesitic tuff. finely banded at 15-20° to core minor, Q.C. altn. 2% PY	292	3.2	.005		
376.9-378.7	Tuff. 10% Q.C. in veinlets, 2% PY	293	1.6	.035		
378.7-380.4	Glassy Qtz. vein with some coarse PY along edge	294	1.7	.005		
380.4-382.6	Glassy Qtz. vein, some PY along vein edge which runs along core at about 30° to core	295	2.2	.04		
382.6-384.4	Tuff. 20% Q.C. alt'n. 5% coarse PY.	296	1.8	.015		
384.4-385.9	Tuff. 30% Q.C. alt'n. 7% coarse PY.	297	1.5	.02		
385.9-387.5	Tuff. 5% Q.C. alt'n. 1% PY	298	1.6	.01		
387.5-388.7	Tuff. 20% Qtz. vein 50% to core minor PY	299	1.2	.02		
388.7-392.0	Tuff. greyish minor Qtz. minor PY	300	3.3	Tr.		
392.0-394.8	Andesitic Tuff., greenish massive minor Q.C. alt'n. minor PY	301	2.8	.03		
394.8-397.5	Tuff. andesitic ~~5%~~ Qts. veinlets at 50% to core minor PY	302	2.7	.03		
397.5-399.8	Tuff. greenish massive 30% Q.C. vein, 3% PY.	303	2.3	.015		
399.8-401.2	Glassy Qtz. vein minor PY, some grey carbonate material	304	1.4	Tr.		
401.2-403.0	Glassy Q.C. vein minor PY	305	1.8	Tr.		
403.0-404.4	Glassy Qtz. vein, 10% inclusion tuff. fragments, 1% PY	306	1.4	Tr.		
404.4-406.2	Glassy Qtz. vein minor carbonate, some coarse PY along edge at406'	307	1.8	Tr.		
406.2-412.2	Tuff. banded at 10-20% to core, minor Q.C.alt'n. ½% PY	308	6.0	Tr.		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
412.2-413.2	Tuff. 30% Qtz. in vein that runs along bedding, minor PY	309	1.0	.03		
413.2-416.5	Tuff. finely banded at 5-30% to core, minor Q.C. atl'n ½%PY	310	3.3	Tr.		
416.5-421.3	Tuff changes from greayish dacitic tuff. to greenish andes-					
	itic tuff. along contact that runs 10° to core at 419.0'	311	4.8	Tr.		
421.3-426.0	Andesitic tuff., greenish, minor Q.C. alt'n. 2% PY along					
	bedding runs 0-20% along core.	312	4.7	Tr.		
426.0-431.0	Andesitic tuff., greenish, minor Q.C. alt'n. minor PY	313	5.0	Tr.		
431.0-436	Andesitic tuff. 5% Q.C. alt'n. minor PY.	314	5.0	Tr.		
436 - 439	Andesitic tuff., somewhat massive, minor Q.C. alt'n. minor PY	315	3.0	Tr.		
439 - 444	Andesitic tuff, finely banded along core minor Q.C. alt'n.					
	½% PY.	316	5.0	Tr.		
457.1-458.3	Andesitic tuff., 3% Q.C. vein follows bedding, ½% PY	317	1.2	.005		
463 - 464	Andesitic Tuff., 2" Q.C. vein runs 45% to core, ½% PY	318	1.0	Tr.		
419.0-483.0	Andesitic tuff. greenish, finely banded to massive appearance,					
	banding is generally alon the core, varies from 0-20%. There					
	is little significant Q.C. alt'n. or PY mineralization.					
483.3-485.2	Andesitic tuff. aglomerate in part, bedding along core					
	5% Q.C. alt'n. minor PY.	447	1.9	Tr.		
485.2-500.0	Dacitic to andesitic tuff. with Qtz. filled PY fracture					
	that runs at 45-70° to core axis, contains an 80% Qtz. vein structure from 491.2-495.5					

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 11 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
485.2-488.0	Tuff. 15% Qtz. in cross fractures, 3% PY	448	2.8	.04		
488.0-491.2	Tuff. 10% Qtz. in cross fractures that carry 5% coarse PY	449	3.2	.015		
491.2-492.8	Qtz. vein, 20% included tuff fragment, 5% coarse PY	450	1.6	TR		
492.8-494.0	Q.C. vein, 10% tuff. inclusions, 3% PY	451	1.2	TR		
494.0-495.5	Qtz. vein, 15% tuff. inclusions, 7% coarse PY	452	1.5	.005		
495.5-498.0	Tuff. banded at 20% to core, 5% Qtz. in cross fractures 3%PY	453	2.5	.005		
498.0-499.8	Tuff. 10% Qtz. in cross fractures that run at 45° to coarse, 5% coarse PY in Qtz.	454	1.8	.065		
499.8-503.0	Andesitic tuff. minor Q.C. alt'n. 1% PY	455	3.2	TR		
500.0-533.0	Andesitic tuff, decitic in part, greenish grey, finely banded to aglomeratic with bedding 5-15° to core axis. Q.C. alt. is not significant or strong.					
533.0-592.0	Dark greenish massive basic andesitic tuff amphibolitic in part, finely banded at 5-15° to core caxis, the Q.C. alt. is minor and differs from the dacitic to andesitic which has Qtz. and Q.C. instead of sericite-quartz-carbonate stringer alt. in addition to fine banding, some aglomerate or breccia texture occurs.					

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-2

SHEET NUMBER 12 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
518.7-520.2	Tuff. 5% Qtz. in fractures, 1% PY	456	1.5	.01		
530.3-533.0	Contact zone between andesitic ~~and~~ desitic tuff. 10% Q.C. alt'n. 5% PY	457	2.7	.01		
5542.3-544.6	Basic andesitic tuff. wiggly Qtz. stringer, ½% PY	458	2.3	.07		
554.6-555.6	Basic andesitic tuff. with a 1½" Qtz. filled cross fracture that runs at 75° to the core, it carries two fine specks of V.G. at 455.3 there is also a ½" Qtz. vein that carries 3% coarse PY that runs obliquely to core.	459	1.0	.075		
554.6-557.2	Basic andesitic tuff., minor PY, minor Q.C. alt'n.	460	2.6	.005		
583.0-583.6	Andesitic tuff, a ½" Qtz. vein runs irregular across the core, minor PY.	461	0.6	Tr		
592.0-655.0	Dacitic to andesitic tuff, with portions that look aglomeratic. It is light greenish grey, the bedding runs along the core at 0-10° to core axis. The alteration is weak and consists mainly of sericite-Quartz-carbonate with some vaggy pink calcitic cross fractures.					
599.6-601.1	Dacite tuff. 7% Qtz. in fractures, 2% BY	462	1.5	.01		
606.0-606.9	Dacite tuff. 15% Qtz., minor PY	463	.9	Tr.		
614.2-615.1	Dacite tuff., 10% Qtz. in fractures, 1% PY	464	.9	.005		
655.0	END OF HOLE					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

Extra copy #3

PROPERTY – TULLY TWP. **HOLE NO.** 81-3

SHEET NUMBER 1	**SECTION FROM**	**TO**	**STARTED** April 25, 1981
LATITUDE 2 + 12 N	**DATUM**		**COMPLETED** May 15, 81
DEPARTURE 41 + 50 E	**BEARING** Due West		**ULTIMATE DEPTH** 636.0
ELEVATION 1000	**DIP** -70° 200' -67° 400 -66° 600 -65.5°		**PROPOSED DEPTH**

N. Trojan

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
0 - 119.0	Casing in overburden composed of organic material to 7' Clay from 20-100'. 100'-119' sand gravel and bolders					
110.0-141.5	Tuff. Dacitic with strong graphitic shearing, & 20% Qtz. veinlets with 2-5% coarse Py.					
119.0-124.2	Tuff, finely banded with contorted bedding that runs 0-30° to core axis, minor Q.C. alt'n., minor Py.	247	5.2	.005		
124.2-125.1	Tuff, with a 2" Qtz. veinlet, 3% Py.	248	.9	.45	.44	44
125.1-127.0	Graphitic tuff, with bedding running 0-15° to core axis, minor Qtz.C., 2% Py.	249	1.9	.015		
127.0-127.7	Tuff, A 6" Qtz. vein at 50° to the core carries 7% coarse Py	250	.7	.085		
127.7-132.0	Tuff, highly sheared & graphitic, minor Q.C.alt'n. 2% Py.	251	4.3	.065		
132.0-133.3	Graphitic tuff, Two fine specks of V.G. at 132.2 in Qtz.A 40% Qtz. veinlet, 5% Py.	252	1.3	.55 .555	.545	.
133.3-137.0	Graphitic tuff, with graphitic shear at about 20° to core 5% Qtz. C. along shearing and bedding, 2% Py	253	3.7	.065		
137.0-139.0	Graphitic tuff, 30% Qtz.C. 4% Py.	254	2.0	.025		
139.0-140.3	Dacitic Tuff, 20% Qtz.C. about 5% coarse Py.	255	1.3	.04		
140.3-142.1	Tuff, with a 6" Qtz. carb. vein that carries 15% coarse Py	256	1.8	.02		
142.1-146.6	Dacitic Tuff with some banding at 10-15° to core axis, minor Q.C. alt'n., minor Py.	257	4.5	.025		
146.6-150.3	Lt. greenish grey addesitic tuff, minor Q.C.alt'n. minor Py	258	3.7	Tr.		

Finely banded at about 5-10° to core

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 80-3

SHEET NUMBER 2 SECTION FROM ______ TO ______ STARTED APRIL 25 81

LATITUDE 2+12 N DATUM ______ COMPLETED MAY 15 81

DEPARTURE 41+50 E BEARING DUE WEST ULTIMATE DEPTH 636.0

ELEVATION 1000 DIP -70 PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE
150.3-154.5	Greenish grey, Andesitic Tuff. 5%Q.C. stringers along bedding, minor PY.	259	4.2	TR.
154.5-159.0	Greenish grey, Andesitic Tuff. 5%Q.C. stringers along bedding minor PY.	260	4.5	TR.
141.5- 273.0	Andesitic Tuff.-greenish grey finely banded at 5-15° to core. Qtz. corb. Alt'n. and PY. mineralization. are minor.			
159.0-164.0	Andesitic Tuff.-5%Q.C. minor Fes	261	3.0	TR.
164.0-169.0	Andesitic Tuff.-7%Q.C. -½% Fes.	262	5.0	TR.
169.0-172.9	Andesitic Tuff. 7%Q.C. alt. 1% PY.banding at 20-30°to core axis	263	3.9	.03
172.9-173.4	Andesitic Tuff with 2" Q.C. that cuts core at 80° to axis the vien carries 5% coarse PY.	264	.5	.015
173.4-178.6	Tuff.- 5% Q.C. alt. minor PY.	265	5.2	.005
178.6-183.0	Tluff. partly graphitic, minor Q.C. alt.½%PY. bedding at 5-30° to core axis.	266	4.4	.025
183.0-187.0	Tuff. minor Q.C. alt. minor PY.	267	4.0	TR.
187.0-189.7	Tuff. finely banded graphitic 10% Q.C., 2%PY	268	2.7	.005
189.7-191.2	Tuff. 80% Q.C. vein withpink calcite and 10% coarse PY.	269	1.5	.085
191.2-193.2	Tuff. 80% Q.C. vein with pink carbonate and 10% coarse PY and some graphite.	270	2.0	.04

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
193.2-194.7	Tuff banded at 45° to core 10%Q.C. in veinlets and 4%	271	1.5	.135		
	coarse PY.					
194.7-196.2	Tuff. 40% Q.C. vein with 10% coarsePY. veins run 60° to					
	core axis.	272	1.5	.09		
196.2-197.9	Q.C. vein with pink Carb. 3% coarse PY.	273	1.7	.005		
197.9-201-6	Tuff. 5% Q.C. alt. 2% PY.=	274	3.7	.02		
201.6-202.6	Tuff. 1" Q.C. veinlet runs along banding at 20° to core					
	minor PY.	275	1.0	Tr.		
202.6-205.3	Tuff. banding at 25° to core minor Q.C. alt. minor PY.	276	2.7	Tr.		
205.3-206.3	Tuff. 40% Q.C. veinlets along bedding minor PY.	277	1.0	Tr.		
206.3-207.7	Tuff. minor Q.C. alt. minor PY.	278	1.4	Tr.		
207.7-209.2	Tuff 40% Q.C. alt along bedding minor PY.	279	1.5	.03		
209.2-214.5	Tuff. finely banded at 10-20° to core,minor PY and QC alt.	280	5.3	Tr.		
214.5-218.7	Tuff. 10% Q.C. alt. along bedding, minor PY.	281	4.2	.005		
218.7-222.5	Tuff. 5% Q.C. alt. ½% PY	282	3.8	.005		
222.5-225.0	Tuff. 5% Q.C. in fractures, minor PY.	283	2.5	.01		
225.0-225.9	Tuff. 5" Q.C. veinlet, minor PY.	284	.9	Tr.		
225.9-229.7	Tuff. 5% Q.C. in veinlets along bedding, minor PY	285	2.8	.035		
229.7-232.1	Tuff. 30% Q.C. veinlets vuggy and irregular 5% PY.	286	2.4	.005		
232.1-233.7	Tuff.70% Q.C. 3% PY.	287	1.6	Tr.		
233.7-234.5	Tuff. banded at 30-40° to core,10% Q.C. vein 5%coarse PY	288	.8	.005		

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
233.5-235.4	Tuff, 70% Q.C. vein, 5% coarse PY	319	1.9	.015		
235.4-238.0	Tuff, finely banded at 20° to core minor Q.C. alt. 1%PY	320	2.6	.005		
238.0-238.8	Tuff with 2" Qtz. vein which runs 60° to core and carries					
	10% coarse PY	321	.8	.015		
238.8-240.5	Tuff, greyish, minor Q.C. alt. 3% PY	322	1.7	.005		
240.5-243.3	Brecciated tuff interlaced with 30% Q.C., vuggy 2% coarse PY	323	2.8	.005		
243.3-244.1	Tuff, 5% Q.C. 5% PY	324	.8	.tr.		
244.1-245.4	70% Q.C. vein material which has been refractured and					
	brecciated and carries 5% coarse PY, vuggy	325	1.3	.015		
245.4-246.3	Tuff., 5% Q.C. alt., 5% coarse PY	326	.9	.005		
246.3-248.2	Tuff., 50% Q.C. vein filling brecciated tuff, vuggy, 7%					
	coarse Py	327	1.9	.005		
248.2-250.8	Tuff., finely banded at 5-30° to core, 5% Q.C. alt. 2%PY	328	1.6	.03		
250.8-253.0	Tuff., 5% Q.C.alt. 2% PY contorted banding at 15-35° to core	329	2.2	.015		
253.0-256.8	Tuff., greyish, banding at 10-25° to core, minor Q.C. alt.					
	1% PY	330	3.8	tr.		
256.8-258.6	Tuff with contorted banding along the core, 5% Q.C. alt. 3%PY	331	1.8	.03		
258.6-259.6	Tuff., with 5" Q.C. vein with contacts 45 & 30° to core, some					
	graphite along edge and carried 3% PY	332	1.0	.035		
259.6-261.9	Tuff., banding at 10-15° to core axis slightly graphitic					
	1/4" greyish Qtz. vein that runs along core, carries some fine					
	acicular arsenopyrite along its borders	333	2.3	.035		

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUE	
261.9-263.6	Tuff., 60% Q.C. alt. 5% coarse PY	334	1.7	.15		
263.6-265.0	Greyish graphitic tuff., 20% Q.C. alt. 3%PY	335	1.4	.04		
265.0-266.6	Tuff., 30% Q.C. alt. 3% PY.	336	1.6	.01		
266.6-268.7	Tuff., 80% Q.C. vein alt. 5% coarse PY.	337	2.1	.005		
268.7-271.2	Tuff., 25% Q.C. in veinlets and alt.,2% PY some graphite	338	2.5	.005		
271.2-273.0	Tuff., banding along core, minor Q.C. alt. 2% PY.	340	1.8	.005		
	GENERAL					
273.0-297.8	Q.C. vein zone structure about 50% glassy Qtz. and Q.C.					
	veins that run with most contacts at 50-60° to core axis					
	some coarse PY occurs along the borders of the veins					
273.0-274.4	Q.C. vein 20% included tuffs, 10% coarse PY	341	1.4	.05		
274.4-275.2	Tuff., minor Q.C.alt., 2% PY	342	.8	.02		
275.2-277.0	Glassy Q.C. vein, 15% tuff. fragments, 5% PY	343	1.8	.01		
277.0-278.3	Glassy Qtz. vein some coarse PY along edges.	344	1.3	.01		
278.3-279.3	Tuff., 5% Q.C. alt. 5% PY	345	1.0	.005		
279.3-281.4	Q.C. vein, 50% graphitic tuff., 2% PY	346	2.1	.005		
281.4-285.0	Tuff, graphitic minor Q.C. alt. minor PY	347	3.6	tr.		
285.0-286.5	Glassy Qtz. vein, 30% graphitic tuff. 2% PY	348	1.5	.01		
286.5-288.5	Glassy Qtz. vein, 1% PY	349	2.0	tr.		
288.5-290.8	Glassy Qtz. vein, 1% PY	350	2.3	tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 6 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
290.8-293.0	Q.C. vein, 20% graphitic tuff., fragments 3% coarse PY	351	3.0	tr.		
293.0-294.7	Q.C. vein, 3% PY	352	1.7	tr.		
294.7-295.7	Tuff., 10% Q.C., 4% PY.	353	1.0	.005		
295.7-297.8	Q.C. vein, 10% included tuff, 3% PY.	354	2.1	.015		
297.8-302.5	Tuff., greyish bedding along core 5% Q.C. alt., 1% PY.	355	5.3	tr.		
302.5-307.7	Tuff., finely banded at 5-10° to core, 5% Q.C.alt. ½% PY	356	5.2	.005		
307.7-308.6	6' Qtz. veinlet with some coarse py along edges	357	.9	.04		
308.6-310.0	Tuff., finely banded at 5-10° to core minor Q.C. alt. 2% PY	358	1.4	.10		
310.0-311.5	Tuff., 40% Q.C., 3% PY	359	1.5	.035		
311.5-312.6	Glassy Qtz. vein, some PY along edges.	360.	1.1	tr.		
312.6-316.8	Tuff. finely banded at 15-20° to core, some graphite					
	5% Q.C. alt. 3% PY.	361	4.2	.045		
316.8-320.0	Tuff., 10% Q.C. in veinlets, 2% coarse PY.	362	3.2	.09		
320.0-324.0	Tuff., minor Q.C. alt. 1% PY	363		.025		
324.0-325.3	Tuff., 10% Q.C. veinlets at 50° to core, 3% PY.	364	1.3	.145		
325.3-329.0	Tuff. finely banded at 10° to core, minor Q.C. alt. minor PY	365	3.7	.025		
329.0-332.0	Tuff., finely banded at 20 25° to core, minor Q.C. alt.					
	minor PY, minor graphite	366	3.0	.046		
297.8-345.0	Dacitic to andesitic tuff, greenish-grey with fine bedding					
	at 5-25° to core axis.					
345.0-352.0	Black graphitic tuff., with some Q.C. veinlets and PY mineralization.					

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
332.0-336.8	Tuff., minor Q.C. alt. minor PY.	367	4.8	.005		
336.8-341.8	Tuff, minor Q.C. alt. minor PY	368	5.0	tr.		
341.8-345.0	Tuff., minor Q.C. alt. minor PY	369	3.2	.04		
345.0-346.7	Graphitic tuff, 10% Qtz. in veinlets, 4% PY	403	1.7	.055		
346.7-348.7	Graphitic tuff, 30% Qtz. in veinlets, 5% PY.	404	2.0	tr		
348.7-351.6	Black graphitic tuff, 5% Q.C. alt. 2% PY.	405	2.9	.015		
351.6-352.4	Tuff. a 6" greyish Qtz. at 60-40° contact to core axis,2% PY. one speck of V.G.at 352.2	370	.8	0.23	-0.215	
352.4-353.2	Graphitic tuff. 10% Q.C. alt., highly graphitic, 2% PY	371	.8	.01		
353.2-354.0	Q.C. vein with contacts at 60° to core axis, 3% coarse PY trace ofsphalerite	372	.8	.095		
354.0-357.0	Tuff. finely banded at 5-10° to core, 5% Q.C. alt. with 3% PY. and 2% aspy. along the bedding.	373	3.0	.115		
357.0-358.3	Tuff. 10% Q.C. in wiggly veinlets, 3% PY. - ½% aspy.	374	1.3	.105		
358.3-360.2	Tuff.,10% Q.C. alt. 2% PY. 1% aspy parellel to Qtz. stringer along bedding	375	1.9	.03		
360.2-363.6	Tuff. finely banded at 5-15° to core axis, 5% Q.C. alt. 2% PY	376	3.4	.02		
363.6-365.4	Tuff. greyish, 10% Q.C. alt. 2% PY.	377	1.8	.03		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
365.4-401.0	General Geology					
	Q.C. vein structure with about 10-20% included tuff remnants					
	It carries 2-7% coarse PY. and some specks of coarse visible					
	gold from 390.0-395.0					
365.4-366.8	Tuff., 40% Q.C. with contacts at 60° to core, 3% coarse PY.	378	1.4	.005		
366.8-369.6	Q.C. vein, 10% tuff, 7% coarse PY. and a trace of aspy.	379	2.8	tr.		
369.6-370.5	Q.C. vein, 10% tuff inclusions, 5% PY	380	1.9	tr.		
370.5-372.5	Q.C. vein, 10% included tuff., 3% PY	381	2.0b	tr.		
372.5-374.2	Q.C. vein, 5% included tuff., frag., 5% PY.	382	1.7	.005		
374.2-375.9	Q.C. vein, 50% included tuff., 5% PY	383	1.7	tr.		
375.9-377.4	Q.C. vein, 20% tuff, fragments 3% PY	384	1.5	tr.		
377.4-379.5	Q.C. vein, 20% tuff, 7% coarse PY	385	2.1	tr.		
379.5-381.4	Q.C. vein, 10% included tuff., 5% caarse PY	386	1.9	.005		
381.4-383.4	Q.C. vein, 15% tuff, 7% coarse PY.	387	2.0	tr.		
383.4-385.3	Q.C. vein, 60% tuff., 5% PY	388	1.9	.005		
385.3-386.7	Q.C. vein, 5% tuff., 4% PY	389	1.4	.tr.		
386.7-388.2	Q.C. vein, 20% tuff inclusions, 7% coarse PY. vuggy	390	1.5	1.01		
388.2-389.7	Q.C. vein, 30% tuff, vuggy, 8% coarse PY, some light brown					
	and light green carbonate	391	1.5	0.02		

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NICKEL O[illegible]SET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
389.7-391.0	Q.C. vein, 10% included tuff, with several specks of coarse V.G. in patches up to 3 mm in diameter which occurs along the edge of Quartz and included carbonatized tuff. The V.G. extends through the core to both sides and occur at 390.4 and 390.8	392	1.3	6.32	6.38	6.
391-0-392.1	Q.C. vein, 20% included tuff, graphitic vuggy, 10% massive PY	393	1.1	1.33	1.29	
392.1-393.6	Q.C. vein, 15% included Tuff, vuggy, 5% PY	394	1.5	0.04		
393.6-394.7	Q.C. vein, 50% tuff, 7% PY. coarse patch of V.G. at 394.0 2 mm in diameter.	395	1.1	0.12	0.12	0.1
394.7-396.1	Q.C. vein, 30% tuff, 5% PY and a coarse speck of V.G. at 395.6	396	1.4	0.265	0.260	0.2
396.1-397.2	Tuff, 25% Q.C., 4% PY, some muddy graphite	397	1.1	0.125		
397.2-399.3	Tuff, 20% Q.C. graphitic, 3% PY	398	2.1	0.03		
399.3-401.0	Q.C. vein, 20% included tuff and graphite, 2% PY.	399	1.7	0.06		
401.0-403.7	Tuff., 5% Q.C. alt., 2% PY	400	2.7	0.095		
403.7-404.8	Q.C. vein, 15% included tuff, 5% PY	401	1.1	0.31	0.33	
404.8-408.0	Dark grey tuff, 10% QC. alt. 3% PY trace sphalerite	402	3.2	0.01		
408.0-409.6	Tuff, 30% Q.C. 3% PY	406	1.6	.06		
409.6-412.9	Tuff, 10% Q.C., 2% PY	407	3.3	.025		
412.9-414.2	Tuff, 10% Q.C., 3% PY	408	1.3	.13		
414.2-417.0	40% glassy Qtz. 1%PY	409	2.8	.07		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
417.0-418.0	Tuff, a 4" Qtz. vein with 10% coarsePY	410	1.0	.12		
418.0-421.9	Tuff, finely banded at 5° to core, 2% PY	411	3.9	.045		
421.9-422.6	Tuff. 1" Q.C. vein that carries 10% massive PY and some graphite	412	.7	.06		
422.6-425.0	Tuff. finely banded at 5-10° to core, minor Q.C. alt.some graphite and 1% PY	413	2.4	.07		
425.0-427.4	Dark grey carbonate vein with some Qtz. minor PY and graphite	414	2.4	.055		
427.4-429.0	A dark grey carb. vein with some dark glassy Qtz, minor PY	415	1.6	.08		
429.0-430.3	Tuff., a 2" glassy Qtz. vein at 70° to axis carries 5% coarse PY	416	1.3	.19		
430.3-433.2	Tuff. finely banded at 5-10° to core, 2% PY	417	2.9	.02		
433.2-433.9	Glassy Qtz. vein at 70° to core and at 433.7 three patches of coarse V.G. at vein contact.	418	0.7	2.26	2.22	2.
433.9-436.7	Tuff. 20% Q.C. alt. ½% PY	419	2.6	.065		
436.7-439.0	Tuff, 20% Q.C. alt. 1% PY	420.	2.3	.06		
439.0-441.3	Tuff, 10% Q.C. in narrow veinlets, 3% PY	421	2.3	.08		
441.3-444.0	Tuff, 10% Q.C. alt. 1% PY	422	2.7	.055		
444.0-446.0	Tuff 80% dark grey Qtz. with some white glassy Qtz. structures, 3% PY 4% coarse aspy.	423	2.0	.11		
446.0-447.9	Tuff.,30% dark grey Q.C., 1% PY, 2% coarse aspy.	424	1.9	.065		
447.9-450.0	Dark grey Q.C. vein, 3& coarse aspy, 1% PY, vein runs along core	425	2.1	.025		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 11 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE
450.0-452.6	Tuff., 10% Q.C. alt. 1% PY	426	2.6	.015
452.6-455.9	Tuff., 10% dark grey Q.C. alt., 1% PY minor aspy	427	3.3	.025
455.9-457.5	Tuff, minor Q.C. alt. 2% PY	428	1.6	.035
457.5-458.8	Dark grey Q.C. vein along core, 1% PY, minor sphalerite	429	1.3	.01
458.8-460.6	Dark grey Q.C. vein along the core, 1% PY, ½% aspy along the edge.	430	1.8	.16
460.6-463.6	Dark grey Q.C. vein that runs along core, 1% PY trace aspy	431	3.0	.01
463.6-466.9	30% dark grey Q.C. vein running along core, 1% PY, 1% aspy along the edge.	432	3.3	.085
466.9-544.0	Andesitic tuff, greenish, finely banded at 5-10° to core very little cross fracturing with Q.C. alt. present as compared to greyish to brownish dacite tuff proceeding.			
466.9-470.0	Tuff, 10% Q.C. alt. along the core, 2% PY	433	3.1	.125
475.7-476.6	Tuff, tow ½" Qtz. veinlets that run across bedding at 45° core, these carry 5% coarse PY	434	.9	.005
511.8-514.0	Tuff, 30% dark grey Q.C. veinlet that runs along the core 1% PY	435	2.2 ~~XXX~~	.06
526.0-529.3	Andesitic tuff, slightly graphitic, 5% Q.C. alt. 3% PY	436	3.3	tr
529.3-533.0	Tuff, slightly graphitic, 3% PY	437	3.7	.03
533.0-535.0	Graphitic tuff, 10% Q.C. veinlets, 3% PY	438	2.0	.02
535.0-544.0	Tuff with graphitic edges, 40% Q.C., 3% PY.	439	4.0	.005

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-3

SHEET NUMBER 12	SECTION FROM ____ TO ____	STARTED
LATITUDE	DATUM	COMPLETED
DEPARTURE	BEARING	ULTIMATE DEPTH
ELEVATION	DIP	PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
552.0-554.9	Graphitic tuff, 20% Q.C. alt. 2% PY	440	2.9	.02		
554.9-557.0	Graphitic tuff, 15% Q.C. alt. 1% PY	441	2.1	.015		
544.0-576.0	Graphitic tuff, finely banded contorted at 15 to 30° to core, some minor Q.C. alt. and PY throughout.					
576.0-595.0	Greenish andesitic tuff, minor Q.C. alt. minor PY finely bedded at 20° to core.					
595.0-600.0	Strong graphitic zone with some Q.C. that runs along with core, this strongly graphitic zone would form a strong electromagnetic conductor.					
563.2-566.0	Graphitic tuff, 30% glassy Qtz. vein that runs along core 3% PY.	442	2.8	.015		
566.0-560.4	Graphitic tuff, 40% glassy Qtz. vein that runs along core 3% PY	443	4.4	.075		
571.7-576.0	Graphitic tuff, 5% Q.C. alt., 5% PY	444	4.3	.075		
591.7-594.1	Andesitic tuff, 10% Q.C. alt. 3% PY	445	2.4	.11		
595.0-600.0	Highly graphitic tuff, 20% Q.C. runs along core, 3% PY	446	5.0	tr.		
600.0-636.0	Black graphitic argillite, strongly banded at 2o-30° to core. It contains about 3% large cubes of PY up to 1 cm. in size.					
615.0-616.2	Black argillite, 25% Q.C. alt. 3% PY	465	1.2	Tr.		
616.2-617.7	Black argillite, 10% Q.C. stringer alt., 5% coarse PY	466	1.5	Tr.		
617.7 619.3	Black argillite, 30% Q.C. alt. 3% PY	467	1.6	Tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-3

SHEET NUMBER 13 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
619.3-621.1	Black argillite, 15% Q.C. alt., 5% coarse PY	468	1.8	Tr.		
636.0	END OF HOLE					

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4 BQ-core.

SHEET NUMBER 1

LATITUDE 2 + 00N

DEPARTURE 45+50 E

ELEVATION 1000

SECTION FROM ______ TO ______

DATUM 1000'

BEARING S - 80° W

DIP -70°

Tropari Data

@175' -67° S-83°W

@350' -61° s-59°W

STARTED May 7, 1981

COMPLETED

ULTIMATE DEPTH 654 c

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
0.0-103.0	Casing in overburden					
109.0-136.0	Dacite to Andesite tuff. finely banded at 0-5° to core. Minor Q.C. alt'n. minor PY					
110.0-122.7	Tuff. 5% Qtz. carb., 1% PY	570	3.7	.145		
122.7-124.0	Tuff. 3" Qtz. vein at 40° to core some stringers along banding. 2% PY	571	1.3	.13	.15	14.8
124.0-124.8	Tuff. 2" Q.C. vein at 60% to core, 2% PY	572	.8	.12		
124.8-127.5	Dacite tuff. minor Q.C. alt'n. minor PY	573	2.7	.035		
127.5-128.2	Qtz. vein 30° core, 2% PY	574	.7	.05		
128.2-130.0	QTZ. vein, 2% PY	575	1.8	.04		
130.0-132.9	Dacite tuff. minor Q.C. alt'n. minor PY	576	2.9	.005		
136.0-196.0	Tuff dark greenish andesitic finely banded at 0-10° to the core. Q.C. veining is rare. PY mineralization is rare					
196.0-234.8	Dacitic tuff. bedding 0-5° to core, some Qtz. veinlet some PY mineralization					
200.0-202-7	Dacitic tuff. minor Q.C., altn. 2% PY	577	2.7			
202.7-203.5	Tuff. 2" Qtz. vein 30% to core 5% coarse PY	578	.8			
203.5-205.1	Dacitic tuff. minor Q.C. alt'n. 1% PY	579	1.6			

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 2
SECTION FROM ______ TO ______
STARTED ______

LATITUDE ______
DATUM ______
COMPLETED ______

DEPARTURE ______
BEARING ______
ULTIMATE DEPTH ______

ELEVATION ______
DIP ______
PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
205.1-206.4	Qtz. vein contact at 70% to core, 1% PY	580	1.3	Tr		
216.0-216.9	6" Qtz. vein contact at 40° to core, minor PY	581	.9	.01		
219.1-219.9	Tuff. 3" Q.C. vein contact at 70° to core, 2% PY	582	.8	.015		
226.3-226.8	Glassy Qtz. vein, contact at 70% to core, minor PY	583	.5	0.43	0.43	
233.1-233.8	Q.C. vein at 40° to core, minor PY	584	.7	Tr		
234.8-(279)	Dacite to andesite rock finely banded at 0-10° to core. Q.C. alt'n. is minor, veins are rare, PY rare. Breccia fault zone at 234.8 runs at about 45° to core.					
240 -240.8	Tuff. 20% Qtz. vein running along core, 1% PY	585	.8	Tr		

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
279.0-313.2	Andesitic tuff, greenish to greenish grey, finely banded fine bedding at 0 to 5° to the core some hair fine Qtz. stringers that resemble banding occur at 10 to 20° to core, minor Qtz. C. alt. minor PY					
287.3-289.8	Tuff, 3% Q.C. alt., 1% PY. 2% P.O.	586	2.5	.01		
289.8-292.2	Tuff, ½" Q.C. veinlet runs along core parallel to bedding minor PY.	587	2.4	Tr.		
314.8-318.0	Dacite to andesite tuff, 3" Q.C. vein with contacts at 70° and 30° to core, minor PY.	588	3.2	.005		
313.2-324.0	Dacite tuff, becomes progressively darker grey and slightly graphitic down the hole, bedding at 5 to 15° to core, minor Q.C. alt. minor PY.					
324.0-365.5	Mineralized zone with several Qtz. vein most of these cross at 60 to 70° to core axis. The Qtz. veins constitute 20% of the core rock becomesprogressively more graphite with depth, a strong graphite shear occurs at 365', runs at 15-20° to the core.					
365.5-(385) [illegible]	Dacite tuff, dark greyish to a small amount of contained graphite,bedding occurs at about 10° minor Q.C. fractures minor PY.					

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
318.0-322.0	Tuff minor Q.C. alt. minor PY	589	4.0	Tr		
322.0-323.8	Tuff graphite , minor Q.C. alt. 2% PY	590	1.8	Tr		
323.8-325.8	Tuff, 3" Qtz. vein at 60 to 70° to the core, 3% PY.	591	2.0	;12		
325.328.4	Graphitic tuff, minor Q.C. alt. 2% PY.	592.	2.6	.005		
328.4-329.4	Tuff, 1" Qtz. vein at 35° to core, 3% PY. in vein	593	10	.025		
329.4-329.9	Qtz. vein, 5% coarse PY.	594.	0.5	Tr		
329.9-331.2	Tuff, 30% Qtz., 5% coarse PY.	595	1.3	.01		
331.2-333.0	Tuff, minor Q.C. alt. 5% PY. along the bedding	596	1.8	.01		
333.0-334.3	Tuff minor Q.C. alt. minor PY	597	1.3	Tr.		
334.3-335.7	Qtz. vein glassy, minor PY, along edges	598	1.4	Tr.		
335.7-337.0	70% Qtz. vein with graphitic tuff, 5% coarse PY.	599	1.3	.01		
337.0-338.2	Qtz. vein, 10% included graphitic tuff, 2% PY.	600	1.2	.01		
338.2-340.2	Graphitic tuff, 6" Qtz. vein with contacts running 50-60° along core, 4% coarse PY.	601	2.0	Tr		
340.2-343.0	Graphitic-dacitic tuff, 5% Q.C. alt, 4% coarse PY	602	2.8	Tr		
343.0-343.7	Graphitic tuff ½" Qtz. vein run at 50° to the core, 2% coarse PY.	603	0.7	Tr		
343.7-348.7	Graphitic tuff, minor Q.C. alt. 0.5% PY.	604	4.5	.070		
348.7-349.5	Q.C. Vein runs along the core with the banding, vein is about 2" thick, 2% PY.	605	1.3	.025		
349.5-353.0	Andesitic tuff, dacite tuff,minor graphite in grey stringers	606	3.5	.005		

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
353.0-356.0	Dacitic tuff, 10% Q.C., 3% PY.	607	3.0	Tr		
356.0-357.0	Dacitic tuff, minor graphite, 5% Q.C., 2% PY.	608	1.0	Tr		
357.0-359.3	Graphitic tuff, 15% Qtz. in ¼ to ½" stringers, cut core					
	at 60 to 70°, 2% PY.	609	2.3	.01		
359.3-361.0	Graphitic tuff, 5% Qtz. in stringers, 1% PY	610	1.7	.005		
361.0-362.0	Solicified 1% arsend PY. cubic graphitic tuff, 50% qtz.					
	1% PY.	611	1.0	Tr		
363.0-363.6	Solicified dark greyish graphitic tuff, 30% dark grey Qtz,					
	2% PY.	612	1.6	.015		
363.6-365.5	Qtz. and Q.C. vein with some heavy graphite at 365.5'					
	5% massive PY.	613	1.9	.01		
365.5-367.0	Sheared graphitic tuff, minor Q.C, alt, minor PY..	614	1.5	Tr		
367.0-370.5	Graphitic tuff, dark greyish, minor Q.C. alt., minor PY.	615	3.5	.005		
370.5-374.5	Dacitic tuff, minor graphite, 5% Q.C. alt., minor PY.	616	4.0	Tr.		

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 6 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
400.0-438.0	Dacitic tuff, light buff-green color finely banded at 5-15° to core, Q.C. mineralization rare, some monor Py minerali-zation.					
438.0-453.5	Dacitic tuff, partly graphitic with about 5% Q.C. in stringers and veinlettes, 1% Py.					
453.5-472.0	Medium to strong graphitic tuff with15% Q.C. veinlettes. Most of the larger veinlettes run at 60-70° to core. A large number of Q.C. stringers cut core at varying orien-tations but at least 70% run at 50 to 80° to core.(this may be extension of #3 zone.					
472.0-(489.0)	Medium graphitic tuff with five to 10% Q.C. in fractures filled stringers across the core. Bedding, accurs at 15° to 20° to core, 1%-2% Py mineralization.					
394.0-398.8	Graphitic tuff, 5% Q.C., 0.5% Py.	617	4.8	Tr.		
398.8-403.0	Dacitic tuff, minor graphite, 3% Q.C. 1% Py	618	4.2	Tr.		
403.0-407.8	Dacitic tuff, minor Q.C. alt. ½% Py.	619	4.8	Tr.		
407.8-412.6	Dacitic tuff, 3% Q.C., minor Py, trace of sphalerite	620	4.8	Tr.		
412.6-417.4	Dacitic tuff, minor Q.C. alt., 1% Py	621	4.8	Tr.		
417.4-422.0	Dacitic tuff, minor Q.C. alt., ½% Py	622	4.6	Tr.		
422.0-426.7	Dacitic tuff, minor Q.C. alt., ½% Py	623	4.7	Tr.		

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
426.7-431.0	Dacitic tuff, 3% Q.C. alt., ½% Py.(suggestion of some	624	4.3	Tr.		
	lappilli tuff along the bedding, a 5° to 15° along core axis)					
431.0-435.8	Dacitic tuff, 5% Q.C. veinlettes minor Py, traces of Chalco					
	Py	625	4.8	Tr.		
435.8-439.0	Dacitic tuff, minor graphite, 1% Py, 2% Q.C. alt.	626	3.2	Tr.		
439.0-442.0	Graphitic tuff, 10% Q.C. veinlettes, 1% Py.	627	3.0	Tr.		
442.0-444.0	Graphitic tuff, 3% Q.C. alt., 1% Py.	628	2.0	Tr.		
444.0-448.0	Graphitic tuff bedding at 25° to 35° to core, minor Q.C.					
	alt., ½% py	629	4.0	Tr.		
448.0-451.0	Graphitic tuff, 10% Q.C. in veinlettes at 45° to core,					
½% Py, c	½% Py, coarse grain of chalco in a Q.C. veinlette	630	3.0	Tr.		
451.0-453.4	Graphitic tuff, 3% Q.C. alt. minor Py	631	2.4	Tr.		
453.4-456.0	Graphitic tuff, 15% Q.C. in veinlettes essentially stock					
	work of fractures, 2% py	632	2.6	.005		
456.0-457.6	Graphitic tuff, 30% Q.C. veinlettes at 70° to core, 2% Py	633	1.6	Tr.		
457.6-460.6	Graphitic tuff, 5% Q.C. alt. 2% Py.	634	3.0	Tr.		
460.6-462.1	Graphitic tuff, a 6" Q.C. vein runs across core at 70° to					
	carries 2% Py	635	1.5	Tr.		
462.1-465.0	Graphitic tuff, 10% Qtz. in veinlettes and stringers, 3% py	636	2.9	Tr.		
465.0-467.0	Graphitic tuff, 10% Qtz. in stringers, 2% Py	637	2.0	Tr.		
467.0-468.7	Graphitic tuff, 15% Q.C. in veinlettes and stringers, 1% py	638	1.7	Tr.		

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
468.7-470.6	Graphite tuff, 10% Q.C. in veinlettes, 2% Py	639	1.9	Tr.		
470.6-472.6	Q.C. vein with contacts at 70° to core, 20% included					
	graphitic tuff in gragments, 1% Py	640	2.0	Tr.		
472.6-475.0	Graphitic tuff, 7% Q.C. in stringers, 1% Py	641	2.4	Tr.		
475.0-478.0	Graphitic tuff, 10% Q.C. in stringers,1% py, grain of chalco	642	2.0	Tr.		
478.0-481.0	Graphitic tuff, 5% Q.C. stringers, 1% py	643	3.0	.005		
481.0-484.0	Graphitic tuff, 5% Q.C., ½% Py	644	3.0	Tr.		
484.0-486.5	Graphitic tuff, 3% Q.C., in stringers, 1% Py	645	2.5	Tr.		
486.5-489.0	Graphitic tuff, 10% Q.C. veinlettes, 1% Py	646	2.5	Tr.		
489.0-506.5	Graphitic tuff, contact at 20° to core					
506.5-523.0	Dacitic to andecitic tuff, greyish to greyish green banding					
	at 5° to 15° to core, several 3" Qtz. veinlettes that fill					
	cross fractures and run at about 70° to core axis, minor					
	Py. mineralization					
506.5-509.8	Tuff minor Q.C. alt., ½% Py	647	3.3 3.5			
509.8-511.4	Tuff, 4" and ½" Qtz. veinlettes at 70° to core, minor Py.	648	1.6			
511.4-512.6	Tuff, 3" glassy Qtz. vein at 70° to core,minor Py	649	1.2			
512.6-514.0	Tuff, minor Q.C. alt. minor Py	650	1.4			
514.0-516.0	Tuff, 3" and 1" Qtz. vein at 70° to core, minor Py	651	2.0			
516.0-518.5	Tuff, 10% Q.C. alt. in bands along core	652	2.5			

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
518.5-521.8	Tuff, minor Q.C. alt., minor Py	653	3.3			
521.80522.9	Andesidic tuff, 2" quartz vein, 70° to core, minor Py	654	1.1			
522.9-525.0	Andesidic tuff, minor Q.C. alt., minor Py	655	2.1			
525.0-528.0	Andesidic tuff, 15% Q.C. in stringers that run along the core 1% Py	656	3.0			
528.0-531.3	Andesidic tuff, 10% Q.C. in stringers along core, ½% PY	657	3.3			
531.3-534.0	Andesidic tuff, minor Q.C. alt. minor Py	658	2.7			
534.0-539.0	Andesidic tuff, minor Q.C. in stringers, minor Py	659	5.0			
539.0-543.0	Andesidic tuff, banding at 5° to 15° to core minor, Q.C. alt. minor Py	660	4.0			
543.0-546.0	Dark greenish andesidic tuff, 5% Q.C.alt., minor Py	661	3.0			
546.0-549.0	Andesidic tuff, 5% Q.C. alt. along core, 2% Py	662	3.0			
549.0-553.0	Andesidic tuff, minor Q.C. alt. minor Py	663	4.0			
553.0-556.0	Andesidic tuff, 5% Q.C. along core, minor Py	664	3.0			
556.0-559.2	Andesidic tuff, minor Q.C. alt., minor Py.	665	3.2			
559.2-562.0	Andesidic tuff, minor Q.C. alt., minor Py.	666	2.8			
562.0-564.8	Andesidic tuff, 10% Q.C. minor Py.	667	2.8			
564.8-566.8	Andesidic tuff, minor Q.C.alt., minor Py.	668	2.0			
566.8-569.7	Andesidic tuff, 10% Qtz. in veinlettes, minor Py	669	2.0			
569.7-572.0	Andesidic tuff, 5% Qtz. veinlettes, ½% Py and narrow streak of sphalerite	670	2.3			

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. **HOLE NO.** 81-4

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
572.0-574.0	Andesitic tuff, 40% Qtz. Carbonatized minor graphite minor	6718	2.0			
	Py.					
574.0-575.6	Andesitic tuff, 30% Q.C. minor Py	672	1.6			
575.6-578.0	Andesitic tuff, minor talc alt., minor Py	673	2.4			
578.0-580.0	Andesitic tuff, 20% QC alt. tongue of talc rock in core					
	minor Py	674	2.0			
580-0-581.7	Tuff, 40% Q.C. alt., ½% Py	675	1.7			
488.8-490.5	Graphitic tuff, 10% Q.C. alt., 1% Py	676	1.7			
490.5-493.0	Graphitic tuff, 5% Q.C. stringers, ½% Py	677	2.5			
493.0-497.0	Graphitic tuff, 5% Q.C. alt., 1% Py	678	4.0			
497.0-500.0	Graphitic tuff, 3% Q.C. alt., 3% Py	679	3.0			
500.0-505.0	Graphitic tuff, minor Q.C.alt., ½%Py	680	5.0			
505.0-506.5	Graphitic tuff, 30% Q.C. alt., ½% Py	681	1.5			
580.6-582.5	Andesitic tuff, 5% Q in cross fractures, 1% Py	684	1.9			
580.6-619.0	Andesitic tuff, dark greenish chloritic is amphibolitic					
	with some minor talc alt. The banding is strong and follows					
	at 0-10% to core. Some minor Q.C. in narrow stringers along					
	the core.					

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 11 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED June 8/81

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE
619.0-635.0	Talcose tuff with some Q.C. veinlets ¼ to 1 in. thick across the core at angles of 70° and carries some Py. (This may be the equivalent of a mineralized zone but we have just missed the structure by being too close to the talc rock contact.)			
635.0-	Talc altered tuff some banding still evident but the rock is more talc altered.			
582.5-585.3	Tuff, 20% Q.C. largely along the core with some Q.C. in cross fractures.8	685	2.8	
585.3-587.5	Dark green tuff with 20% Q.C. along the core and graphitic shear along the core, 1% Py.	686	2.2	
587.5-590.0	Dark green tuff, a graphitic shear slong the core, minor Q.C. alt., minor Py	687	2.5	
590.0-593.0	Dark green banded tuff, 10% Q.C. along the banding, 5% QC in cross fractures, 1% Py	688	3.0	
593.0-595.0	Dark greenish tuff, 10% Q.C. along banding, ½% Py	689	2.0	
595.0-601.0	Dark green finely banded tuff, 5% Q.C. along core, 5% Q.C in cross fractures, 1% Py	690	5.0	
601.0-605.0	Dark greenish finely banded tuff, 5% Q.C. along the core minor Py.	691	4.0	
605.0-608.5	Dark greenish finely banded tuff, minor Q.C alt, minor Py	692	3.5	

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED June 8/81

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
608.5-609.0	Tuff, a 2" Q. vein that runs at 70° to core and carries minor Py.	693.	0.5			
609.0-616.0	Dark green finely banded tuff, 3% Q.C. along the banding and 3% Q.C. in cross fractures that extend half way across core	694	7.0			
616.0-619.0	Dark green tuff, finely banded, minore Q.C.along banding minor Py	695	3.0			
619.0-622.4	Massive to banded Q.C. talc altered tuff, wtih about 4-½" Q.C. stringers that run across the core at about 70°	696	3.4			
622.4-625.3	Q.C. and talc altered, dark green and partly banded tuff, 10% Qtz. in cross fractures at 70% to core	697	2.9			
625.3-629.0	Dark green Q.C. and talc altered tuff,partly banded, 5% Q. in cross fractures, minor Py	698	3.8			
629.0-632.0	Dark green, talc altered tuff, 5% Q.C., minor Py	699	3.0			
632.0-635.0	Talc altered tuff, 5% Q.C. in cross fractures, minor Py	700	3.0			
635.0-638.0	Dark green amphibolitic, minor Q.C., minor py.Bedding follows core	701	3.0			
638.0-641.0	Amphibolitic talc altered tuff, minor Q.C. alt.,minor Py	702	3.0			
641.0-643.0	Banded tuff, strongly talc altered, 5% Q.C., minor Py	703	[illegible]			
643.0-645.5	Tuff, strongly talc altered, minor Q.C., minor Py.	704	2.5			

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-4

SHEET NUMBER 13 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
645.5-650.0	Tuff, dark greenish amphibolitic, a strong fine banding					
	that follows 1the core, 5% Q.C. veinlets alnng the core					
	Minor Py	705	4.5			
650.0-654.0	Dark greenish, finely banded tuff, amphibolitic, partly					
	talc altered. Bedding along the core.	706	4.0			
654.0	END OF HOLE					

Extra copy of 8[illegible]

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-5

SHEET NUMBER 1 | SECTION FROM ____ TO ____ | STARTED May 7, 1981

LATITUDE 1+75 N | DATUM ____ | COMPLETED May 18, 1981

DEPARTURE 39+50 E | BEARING S 80°W | ULTIMATE DEPTH 496'

ELEVATION 1000. | DIP -73° 150', -64.5° | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUE	
0.0 121.0	Casing in overburden					
121.0-212.6	Andesitic tuff., dark greenish, basic finely banded at 5-20° to core. The Q.C. alt. is reletively minor and is more the sericite-quartz-carbonate type.					
121.0-122.0	30% Q.C. alt. in tuff, 1% PY	469	1.0	TR		
122.0-125.0	Basic Tuff, 5% Q.C. alt., ½% PY	470	3.0	TR		
169.9-171.0	Basic tuff. 10% Q.C. stringers along bedding, minor PY	471	1.1	.01		
190.2-191.6	Basic tuff. 5% Qtz. in stringers, 2% PY.	472.	1.4	.015		
194.8-195.1	Basic Tuff. a two inch glassy Qtz. vein that runs across core at 70° and carries minor PY	473	0.8	.03		
212.6-241.0	Black graphitic tuff, dacitic with numerous Qtz. veinlets and some PY. mineralization with some traces of chalcopyrite					
241.0-330.0	Andesitic tuff., dark greenish, basic defined bedding to somewhat massive, some minor, Qtz.-serite-C alt.					
200.5-201.4	Basic Tuff, a 1" Qtz. veinlet at 70° to core carries 5% coarse PY.	474	0.9	.005		

DRILLED BY Northway D.D. Co. SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-5

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING N77 W ULTIMATE DEPTH ____

ELEVATION ____ DIP -73° PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
215.5-216.2	Graphitic tuff., 10% Q.C. alt. 5% PY	475	2.7	.05		
216.2-217.8	Graphitic tuff., 40% Q.C. alt. 5% coarse PY	476	1.6	.01		
217.8-220.0	Graphitic tuff., 5% Q.C. alt. 7% coarse PY	477	2.2	.02		
220.0-225.0	Graphitic tuff., 5% Q.C alt. 2% PY	478	5.0	.005		
225.0-226.3	Graphitic tuff with a ten inch glassy Q.C. vein that carries					
	coarse PY along the edges and carries traces of chalcopy	479	1.3	.015		
226.3-227.4	Glassy Q.C. vein that cuts core at 70° to axis. It carries					
	some coarse PY mineralization along its edges.	480	1.1	Tr		
227.4-231.0	Graphitic tuff banded at 20-30° to core, 7% Q.C. stringers					
	3% PY	481	3.6	.01		
231.0-235.0	Graphitic tuff., minor Q.C. alt., 2% PY	482	4.0	.03		
235.0-235.7	Graphitic tuff., with a 6" glassy Qtz. vein that carries					
	10% coarse PY along the edges.	483	0.7	.09		
235.7-236.4	Graphitic tuff, minor Q.C. alt., minor PY	484	0.7	Tr		
236.4-238.0	Glassy Qtz. vein, minor PY	485	0.6	Tr.		
238.0-239.5	Q.C. vein with pink C and some coarse massive PY. The vein					
	runs at 70° to core axis.	486	1.5	.02		
239.5-240.5	Graphitic tuff.,5% Q.C. alt. 2% PY	487	1.0	.03		
240.5-241.3	Graphitic tuff., with some Qtz. veins running along the core					
	with some heavy PY	488	0.8	.02		
251.0-253.0	Andesitic tuff., 10% Qtz. in cross fractures, 3% PY	489	2.0	0.33	0.34	

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-5

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
253.0-273.0	Core lost because core was dropped from core tube during drilling.					
273.0-275.0	Tuff., 5% Q.C. alt., 2%PY	490	2.0	.04		
275.0-277.0	Tuff., minor Q.C. alt., minor PY	491	2.0	TR		
277.0-279.5	Tuff., andesitic minor Q.C. alt., minor PY	492	2.5	TR		
279.5-282.0	Andesitic tuff, banding at 10-20° to core, 2% Q.C. minor PY	493	2.5	TR.		
282.0-284.3	Andesitic tuff, minor Q.C. alt., minor PY	494	2.3	TR.		
284.3-285.9	Andesitic tuff., minor Q.C. alt., 1% PY	495	1.6	TR		
285.9-286.5	Andesitic tuff, a ½" Qtz. vein,with 20% massive PY runs at 80° to core axis and it carries 2 patches of V.G.each with several specks.	496	0.6	435	.420	[illegible]
286.5-289.0	Andesitic tuff., minor Q.C. alt., ½% PY	497	2.5	TR		
289.0-290.0	Andesitic tuff., 1" Qtz. vein at 70° to core carries 5% PY	498	1.0	.015		
290.0-293.4	Andesitic tuff., banded at 10-15° to core, vuggy,minor PY	499	3.4	.005		
293.4-296.5	Andesitic tuff., minor Q.C. alt., 1% PY.	500	3.1	.005		
296.5-297.6	Qtz. vein, 10% massive PY. contact at 60° to core.#3 zone structure?	501	1.1	TR.		
297.6-299.5	Glassy Qtz. vein, minor PY	502	1.9	TR.		
299.5-300.8	Qtz. vein, 7% coarse PY. contact at 40° to core.	503	1.3	5.46	5.24	5.
300.8-301.9	Andesitic tuff. banded at 30° to core, minor Q.C. alt. minor PY	504	1.1	.01		

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-5

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
301.9-302.5	Tuff. with a 3/4" Qtz. vein that runs at 70° to core					
	that carries one large speck of V.G. It is wedge shaped and					
	is 4mm long and the wide end is 1.5mm.	505	0.6	3.35	3.33	3.
302.5-303.7	Qtz. vein contacts at 70° to core, 3% PY	506	1.2	.04		
303.7-305.2	Andesitic tuff., 3% Q.C., minor PY	507	1.5	.01		
305.2-307.0	Andesitic tuff., a 1" and 2" vein run at 60° to core, ½%PY	508	1.8	.02		
307.0-308.4	Andesitic tuff., a 1" vein at 70° to core, minor PY	509	1.4	.01		
308.4-313.0	Andesitic tuff., banding at 0-5° tocore, minor Q.C., minor PY	510	4.6	TR.		
313.0-317.8	Andesitic tuff., Minor Q.C. alt. minor PY	511	4.8	TR.		
317.8-322.7	Andesitic tuff., minor Q.C. alt. minor PY	512	4.9	TR.		
322.7-328.0	Andesitic tuff., banding at 5-15° to core, minor Q.C. alt.			1		
	minor PY	513	5.3	TR.		
328.0-329.1	Andesitic tuff., minor Q.C. alt., 1% PY	514	1.1	.01		
329.1-330.2	Qtz. vein contacts at 40° to core, 3% coarse PY	515	1.1	.27		
330.2-332.7	Andesitic 10% Qtz. stringer 2% PY	516	2.5	.025	~~[illegible]~~	
332.7-334.0	Qtz. vein, 20% included tuff, some pink calcite, 2% PY	517	1.3	.075		
334.0-337.1	Andesitic tuff., banding at 0-5° to core, minor Q.C. alt.					
	minor PY.	518	3.1	.020		
337.1-339.3	Andesitic tuff, minor Q.C. alt., minor PY	519	2.2	.015		
339.3-340.0	Andesitic tuff, a 3" Qtz. vein at 40° to core, 3% coarse PY	520	1.7	.015		
340.0-343.0	Andesitic tuff. minor Q.C. alt. minor PY	521	3.0	TR		

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-5

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE
343.0-346.8	Andesitic tuff., finely banded at 10-15° to core, minor Q.C. minor PY	522	3.8	.015
346.8-347.8	Andesitic tuff., a 1" Qtz. vein at 60° to core, minor PY	523	1.0	.025
330.0-350.0	Tuff, greyish, slightly graphitic, banding at 5-20° to core			
350.0-381.0	Tuff., dark greyish with some strongly graphitic bands with some Qtz. veins running at 45-60° to core.			
348.8-352.7	Tuff, graphitic, 5% Q.C. alt. ½% PY	524	3.9	.03
352.7-356.48	Graphitic tuff., 5% Q.C. alt., 1% PY	525	3.7	.01
356.4-357.6	Qtz. vein contacts at 60° to core, 7% coarse PY	526	1.2	.06
357.6-358.8	Qtz. vein at 60° to core, vuggy, 5% coarse PY	527	1.2	.38
358.8-363.0	Graphitic tuff.,5% Q.C. alt., 1% PY	528	4.2	.025
363.0-367.0	Graphitic tuff.,5% Q.C. alt., ½% PY	529	4.0	.005
367.0-368.0	Tuff, graphitic, 5% Q.C. alt., 2% PY	530	1.0	.02
368.0-369.3	Graphitic tuff, 10% Q.C. 3% PY	531	1.3	.005
369.3-370.8	Qtz. vein, 1% PY	532	1.5	.01
370.8-371.8	Qtz. vein, 3% PY	533	1.0	TR
371.8-372.9	70% Qtz. vein, 7% coarse PY	534	1.1	TR
372.9-374.8	Graphitic tuff, 7% Q.C. stringer, 3% coarsePY	535	1.9	.015
374.8-379.0	Graphitic tuff, minor Q.C. alt., minor PY	536	4.2	.005
379.0-382.5	Andesitic tuff, minor Qtz. minor PY	537	2.5	TR

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-5

SHEET NUMBER 6 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
381.0-423.0	Dark greenish andesitic tuff, strongly banded at 15-25° to core. Q.C.alt. and PY. mineralization are rare. Blocky ground					
382.5-387.5	Andesitic tuff, minor Q.C. alt., minor PY	538	5.0	.005		
387.5-391.0	Andesitic tuff, minor Q.C. alt., minor PY	539	3.5	TR		
391.0-396.0	andesitic tuff, minor Q.C. alt., minor PY.	540	5.0	TR		
396.0-399.5	Andesitic tuff, minor Q.C. alt., minor PY.	541	3.5	TR		
399.5-402.5	Andesitic tuff, minor Q.C. alt., minor PY	542	3.0	TR		
402.5-406.5	Andesitic tuff, minor Q.C. alt., minor PY	543	3.5	TR.		
406.5-411.0	Andesitic tuff, minor Q.C. alt., minor PY	544	4.5	TR		
411.0-414.2	Andesitic tuff, minor Q.C. alt., minor PY	545	3.2	.005		
414.2-415.2	Qtz. vein at 50-60 to core, 7% coarse PY.	546	1.0	.01		
423.0-447.0	Highly graphitic tuff. with several Qtz. veins in a zone, the veins carry some coarse PY.					
415.2-418.8	Andesitic tuff, minor Q.C. alt., minor PY	547	3.6	.015		
418.8-419.9	Qtz. vein at 60° to core, 5% coarse PY	548	1.1	.03		
419.9-423.0	Andesitic Tuff, minor Q.C. alt., minor PY	549	3.1	.06		
423.0-424.0	Graphitic tuff, a 6" Qtz. vein contacts at 45° to core	550	1.0	.01		
424.0-425.9	Qtz. vein, graphitic, brecciated with some pink calcite, 3% PY	551	1.9	.03		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-5

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
425.9-426.6	Graphitic tuff, breccia, 5% coarse PY, vuggy, 30% Q.C	552	0.7	.01		
426.6-428.5	Graphitic tuff, breccia, 50% Q.C. 3% PY	553	1.9	.01		
428.5-434.0	Graphitic tuff, 5% Q.C. alt., 1% PY	554	5.5	.005		
434.0-438.5	Gray tuff, 5% Q.C. alt., ½% PY	555	4.5	.015		
448.5-449.7	a 7" Qtz. vein at 60° to core, 5% coarse PY	556	1.2	.09		
449.7-451.7	Graphitic tuff., minor Q.C. alt., 1% PY	557	2.0	.165		
451.7-452.3	Tuff, a 2" Qtz. vein at 50° to core with 2% PY	558	0.6	.005		
452.3-447.0	Graphitic tuff., minor Q.C. alt., minor PY	559	4.7	TR		
447.0-454.6	Tuff, minor Q.C. alt., ½% PY	560	7.6	.005		
452.6-457.0	Andesitic Tuff, banding at 15-20° to core, minor Q.C. alt. minor PY	561	4.4	.005		
457.0-461.0	Andesitic tuff., 5% Qtz. in veinlets, 2% PY	562.	4.0	TR		
461.0-465.5	Andesitic tuff., 3% Q.C. alt. 1% PY	563	4.5	TR		
465.5-469.4	Andesitic tuff, banding at 5-10° to core, 5% Q.C. alt. minor PY	564	3.9	TR		
469.4-472.8	Andesitic tuff, 5% Q.C. alt., minor PY	565	3.2	TR		
472.8-473.8	70% Qtz. in andesitic tuff, 2% PY	566	1.0	.005		
473.8-475.0	Tuff, with 20% Qtz. running along core, 2% PY	567	1.2	.035		
475.0-478.2	Tuff, the banding is at 30-35° to core, finely banded, 20% Q.C. largely at tuff-peridotite contact	568	3.2	.02		
486.0-488.3	Talc rock, 30% white carbonate, minor PY	569	2.3	TR		

DRILLED BY ______ SIGNED ______

NICKEL O[illegible]SET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-5

SHEET NUMBER 8

SECTION FROM ______ TO ______

STARTED ______

LATITUDE ______

DATUM ______

COMPLETED ______

DEPARTURE ______

BEARING ______

ULTIMATE DEPTH ______

ELEVATION ______

DIP ______

PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
447.0-477.5	Tuff, dark greenish andesitic, finely banded at 5-15° to core except up against talc rock where the beds are at 35° to core.					
477.5-496.0	Peridotite altered to talc rock					
	END OF HOLE AT 496.0					

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-6

SHEET NUMBER 1 SECTION FROM ______ TO ______ STARTED June /81

LATITUDE 1+85N DATUM ______ COMPLETED June 11/81

DEPARTURE 43+50E BEARING Dollar due west ULTIMATE DEPTH 214.0

ELEVATION 1,000' DIP -70° PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
0.0-109.0	Casing in overburden. Bedrock at 107.0					
109.0-179.0	Strongly talcous tuff, finely banded at 0-10° to core. It appears this hole is near the tuff-periotite contact and the finely banded tuff still retains its obvious banding but is about 60% altered to talc.					
119.0-120.3	Talcous tuff, 30% sericitic Q.C., minor Py.	707	1.3	0.095		
123.0-125.8	Talcous tuff, 25% talcous Q.C. in cross-fractures, minor Py	708	2.8	Tr		
141.5-143.0	Talc altered tuff, 30% talcous Q.C. vein, minor Py.	709	1.5	0.015		
149.5-150.1	Talcous tuff, a 1" Q.C. vein at 70° to core	710	0.6	Tr		
169.3-170.0	Talcous tuff, a 4" talcous Q.C. vein, looks barren	711	0.7	Tr		
179.4-182.5	Dark green amphibilitic tuff, finely banded at 0-10° to core, 5% Q.C. in cross fractures, minor Py.	712	3.1	Tr		
179.0-183.5	Dark greenish amphilibolitic tuff, finely banded, hard					
183.5-214.0	Talc rock, it becomes more massive equigranular tecture with depth, with some veins of pure talc at 210 (This is the highly talc altered periphyry of a periotite intrusion.					
202.0-213.5	Talc rock, a ½" carb. vein follows along the core					
214.-	END OF HOLE					

81-6

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-7

SHEET NUMBER 1

LATITUDE 1 + 57N

DEPARTURE 38 + 50 E

ELEVATION 1000'

SECTION FROM ______ TO ______

DATUM No Tropari

BEARING Collar S-80°W @ 165' S-83° W

DIP -70° -67°

STARTED May 19, 1981

COMPLETED June 5, 1981

ULTIMATE DEPTH 260.0'

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL.		
0.0-141.0	Casing in overburden last 15' considerable boulders					
141.0-260.0	Black argillite, highly graphitic, finely banded, some					
	contoursion, 2% coarse PY, cubes that wedge across bedding					
	bedding runs from 0 to 20° to core.					
214.0-215.0	Glassy quartz carbonate vein, looks barren	682	1.0	0.005		
254.5-257.0	Partly solicified, 20% Quartz carbonate argillite, 2% Py	683	2.5	0.005		
	(242-255 60% lost core) (last core 232-242 70% lost)					
	from 255-260 - 6% lost core					
	End of hole of 260.0					

81-7

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-8

SHEET NUMBER	1	SECTION FROM ____ TO ____		STARTED	June 6 –
LATITUDE	1+80	DATUM		COMPLETED	June 21/81
DEPARTURE	44+50 E	BEARING		ULTIMATE DEPTH	
ELEVATION		DIP		PROPOSED DEPTH	

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0-106	Casing					
106-109	Talc rock, maybe boulder					
1020-185.0	Andesitic tuff, dark greenish amphibolitic in part, banded at 0°-10° to core. Some minor talc alt'n.					
109.0-115.0	Amphibolitic tuff, minor Q.C. alt'n., minor Py	777	6.0	Tr.		
115.0-117.0	Amph.-tuff, 1" qtz. veinlet in core fracture at 45° to core minor Py.	778		Tr.		
117.0-121.7	Amph. tuff, minor Q.C. alt'n., minor Py.	779		Tr.		
121.7-126.0	Amph.tuff, minor Q.C. alt'n., ½% Py. some vuggy ground at 126	780	4.3	Tr.		
126.0-129.5	Amph. tuff. 5% Q.C. finely banded at 10°to 15° to core minor Py	781	3.5	Tr.		
129.5-132.0	Amph.tuff, 5% Q.C. alt'n., ½%Py,banded 15-20° to core	782	2.5	Tr		
132.0-134.5	Amph.tuff, 10% Q.C. alt'n. minor Py.	783	2.5	Tr		
134.5-135.5	Tuff, 2" vuggy glassy qtz. vein, minor Py.	784	1.0	Tr		
135.5-139.2	Amph. Tuff, minor Q.C. alt'n. minor Py. some vugs at 136.5	785	3.7	Tr		
139.2-141.5	Glassy Qtz. vein, contacts at 60° to core, minor Py. along edges.	786	2.3	.005		
141.5-143.5	Amph. tuff, minor Q.C.alt'n., 1% Py.	787	2.0	.06		

DRILLED BY ______________________ SIGNED C J Kierzkowski 81-8

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. **HOLE NO.** 81-8

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
143.5-145.5	Amph. Tuff. minor Q.C. alt., 1% Py., banding at 15-20° to core.	788	2.0	Tr.		
145.5-150.0	Amph. tuff, 10% Q.C. in bands, ½% Py. banding at 20-25° core	789	4.5			
150/0-150.7	Amph. tuff, 2" glassy Qtz. vein in cross fracture, 1% Py.	790	0.7	.005		
150.7-155.0	Amph. tuff, 5% Qtz. in bands along bedding at 5-15° to core 1% Py.	791	4.3	Tr.		
155.0-158.3	Amph. tuff, with a wiggly Qtz. veinlet along banding, highly contorted, runs at 0-15° to core	792	3.3	.005		
158.3-161.8	Amph. tuff, 10% Q.C. alt., 3% Py.	793	3.5	Tr.		
161.8-167.5	Amph. tuff, finely banded at 10-20° to core, some contortion 10% Q.C., 1% Py.	794	5.7	Tr.		
167.5-169.3	Amph. tuff, 30% Q.C., alt., 1% Py.	795	1.8	Tr.		
169.3-171.2	Amph. tuff, 70% Q.C., runs across core, some chlorite, minor Py.	796	1.9	.005		
171.2-174.0	Amph.-chlorite tuff, 30% Q.C. stockwork pattern, minor Py.	797	2.8	.005		
174.0-175.4	Amph. tuff, 50% Q.C. alt., minor Py.	798	1.4	.005		
175.4-180.5	Amph. tuff, strongly banded at 0 to 10° to core, 10% Q.C. along banding, 1% Py.	799	5.1	Tr.		
180.5-183.0	Amph. tuff, 5% Q.C. in bands, ½% Py.	800	2.5	Tr.		
183.0-185.0	Amph. tuff, 60% Q.C. in veinlettes and cross fractures looks barren	801	2.0	Tr.		

81-8

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-8

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
185.0-198.0	Banded tuff, with strong talc alt'n. banding at 5° to 10° to core, talc altered portions caryy flecks of ferro-magnesiam					
198.0-225	Ampholitic tuff, dark greenish, the tuff is banded at 0° to 10° to core. There are several Qtz. veinlets along and across the core					
185.0-190.0	Talc altered tuff, minor Q.C. alt'n., minor Py.	802	5.0	Tr.		
190.0-193.0	Talc altered tuff, minor Q.C. alt'n., minor Py	803	3.0	Tr.		
193.0-194.2	Talc altered tuff, ~~x~~ 2-1" Qtz. veins in cross fractures	804	1.2	Tr.		
194.2-199.0	Amph. tuff, minor talc alt., 10% Q.C., alt, minor Py	805	4.8	Tr.		
199.0-200.9	Amph. tuff, 20% Q.C. mostly along the core, minor Py.	806	1.9	Tr.		
200.9-203.7	Amph. tuff, minor Q.C. alt'n., minor Py.	807	2.8	.005		
203.7-205.5	Amph. tuff, 25% glassy Qtz. with amph.-chlorite inclusions minor Py.	808	1.8	.035		
205.5-208.3	Amph. tuff, 5% Q.C. alt'n., minor Py	809	2.8	Tr.		
208.3-210.5	Amph. tuff, some sections of strong talc alt. 5% Q.C. minor Py.	810	2.2	.005		
210.5-212.0	Talc. altered Amph. tuff, 40% Q.C. alt'n.,minor Py	811	1.5	Tr.		
212.0-217.0	Amph. tuff with some talc alt. finely banded at 5° to 20° to core, 1% Py. 10% Q.C. along bands	812	5.0	Tr		

81-8

DRILLED BY ____ SIGNED ____

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-8

SHEET NUMBER 4

SECTION FROM ______ TO ______

STARTED ______

LATITUDE ______

DATUM ______

COMPLETED ______

DEPARTURE ______

BEARING ______

ULTIMATE DEPTH ______

ELEVATION ______

DIP ______

PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
220.3-221.3	Amph. tuff, 2-1" Q.C. veinlets, 90° to core	813	1.0	Tr.		
228.0-230.0	Talc. alt'n. tuff, 40% barren carbonate along core.	814	2.0	.005		
238.0-242.0	Amph. tuff, banded at 15° to 40° to core, 10% Q.C. along					
	banding, minor Py.	815	5.0	.01		
242.0-247.0	Amph. tuff, some talc alt., 10% Q.C., minor Py.	816	5.0	Tr.		
225 - 228.0	Talc rock, brecciated in part, this may be talc filled fault					
228.0-239.0	Strongly talc, altered amph. tuff, finely banded at 15° to					
	20° to core, looks barren					
239.0-247.0	Dark greenish amphibolitic tuff, finely banded and contorted					
	with bands at 15 - 20° to core, ½% Py. some minor talc.					
	alt.					
	End of Hole 247.0					

DRILLED BY ______ SIGNED ______

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.

HOLE NO. 81-9

SHEET NUMBER 1

LATITUDE 1 + 95 N.

DEPARTURE 43 + 50 E.

ELEVATION 1000 '

SECTION FROM ________ TO ________

DATUM Collar @ 150 @ 350 @ 500 @ 600

BEARING N-85° W dip dip dip dip

DIP -70° -68° -67°

STARTED June 12, 1981

COMPLETED June 30, 1981

ULTIMATE DEPTH 806 '

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL.	
0-104	Casing in overburden				
104-106.2	Tuff, graphitic, 40% quartz, 1% Py, some pink calcite,	714	2.2	.01	
	filling a stockwork	715	1.8	tr	
106.2-108.0	Graphitic tuff, 15% Q.C., minor Py				
108.0-110.5	Graphitic tuff, banding at 0° to 10° to core, minor Q.C.	716	2.5	.035	
	minor Py.				
110.5-113.0	Graphitic tuff, 10% quartz in fracures, minor Py includes	717	2.5	.03	
	2 ft. lost core	718	3.0	tr	
113.0-116.0	Graphitic tuff, finely banded at 0° to 10° to core minor Py	719	2.0	.02	
116.0-118.0	Graphitic tuff, 5% Qtz. in stringers, minor Py				
118.0-119.3	Graphitic tuff, 2" qtz. veinlet runs along core, 15° to	720	1.3	.325	0.31
	core axis, 3% Py.				
119.3-121.0	Graphitic tuff, banded at 5% to 15° to core, 5% qtz. in	721	1.7	.04	
	fractures, mi.or Py.				
			3.0		
104.0-107.0	Qtz. tuff stockwork vein zone, minor py				
107.0-126.0	Dark black graphitic tuff finely banded at 0° to 15° to core.				
	A few qtz. veinlets and stringers, 1% - 2% Py.				
126.0-1[illegible].0	Tuff, zone of veins composed of 25% qtz. in veins fractures				
	25% babk finely banded graphitic tuff, minor Py, some				
	vuggy at 143.0, at 145.5, 153.0				

[illegible] 81-

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
14070-178.0	Dark grey dacitic tuff, less graphitic than the start of					
	the hole, banding is fine and runs at 5° to 15° to core,					
	5% Q.C. stringers mostly along the banding, 1% to 2% Py					
	mineralization.					
121.0-126.0	Very graphitic tuff, 10% Qtz. in stringer, 2% Py	722	5.0	.015		
126.0-128.0	Graphitic tuff, 2" Qtz. veinruns along core, minor Py	723	2.0	.005		
128.0-130.0	Qtz. vein with 15% included graphitic tuff fragments, 3%					
F	Py. This vein runs at 70° to core	724	2.0	tr.		
130.0-132.0	Qtz. vein with 15% included graphitic tuff fragments, 3% Py					
	This vein runs 70° to core	725	2.0	tr.		
132.0-134.0	Qtz. vein, 30% included graphitic fragaments, 1% Py	726	2.0	tr.		
134.0=135.3	Graphitic tuff, 10% qtz. in fractures, ½% Py	727	1.3	tr.		
135.3-137.5	Graphitic tuff, 20% Qtz. largely along core with some Qtz.					
	in cross fractures, 1% Py	728	2.2	.005		
137.5-139.0	Graphitic tuff, 40% Qtz. in a frature stockwork, 2% Py	729	1.5	.005		
139.0-141.2	Graphitic tuff, 5% Q.C. in stringers along banding, 1% py	730	2.2	tr.		
141.2-141.6	Graphitic tuff, 20% Qtz. in cross fractures, 3% py	731	0.4	.005		
141.6-144.5	Graphitic tuff, 20% Qtz. mostly in stringers along core					
	3% Py	732	2.9	1.61	1.63	
144.5-146.3	Graphitic tuff, 40% Q.C. in stockwork cross fractures					
	1% py, VG to patches of V.G. 10 mm square at 145.6 and	733	1.8	1.54	1.55	
	145.8 with several specks of V.G. in each patch					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	AU ASSAY VAL		
146.3-150.0	Graphitic tuff, 15% Qtz. in fine fish net pattern of stringers, 2% py	734	3.7	.01		
150.0-154.0	Graphitic tuff, 5% Qtz. largely along core, some vuggycave at 153.0	735	4.0	.01		
154.0-157.5	Graphitic tuff, 5% Q.C. in fractures and along bedding, 1% py	736	3.5	.01		
157.5-162.0	Graphitic tuff, 5% Q.C. largely along core, 1% py	737	4.5	tr.		
162.0-166.5	Graphitic tuff, finely banded at zero to 5% to core, 5% Q.C., 2% py	738	4.5	tr.		
166.5-170.5	Graphitic tuff, 5% Q.C., 2% Py. some vuggy cave at 168.5	739	4.0	tr.		
170.5-173.1	Graphitic tuff, 10% Qtz. in fine stringers that run obliquely across core, 1% py	740	2.6	.005		
173.1-175.9	Graphitic tuff, 10% Qtz. in fractures, 1% Py.	741	2.8	tr.		
175.9-180.3	Graphitic tuff, 3% Q.C. minor Py.	742	4.4	.005		
178.0-205.0	Greenish grey dacitic tuff, finely banded at 0° to 5° to core Minor Q.C. alt, minor Py					
180.3-185.0	Dacitic tuff, 3% Q.C.m minor Py	743	4.7	tr.		
185.0-189.5	Dacitic tuff, minor Q.C. alt, minor Py	744	4.5	tr.		
189.5-195.0	Datitic tuff, 3% Qtz. in fractures, minor Py	745	5.5	.005		
195.0-200.0	Datitic tuff, finely banded, minor Q.C., minor Py	746	5.0	tr.		

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
200.0-205.0	Dacitic tuff, 3% Q.C. along banding, minor Py	747	5.0	Tr.		
205.0-230.6	Dacitic tuff, becoming prograssively more graphitic and					
	becomes heavily graphitic from 229.0-230.6. The bedding					
	is fine at 5° to 10° to core, minor Q.C.alt., ½% py					
230.6-273.0	Qtz. ~~tuff~~ vein stockwork zone, about 60% Qtz. tuff;					
	fragments are highly graphitic, contains 3% py and some					
	traces of cubic form as Py.					
209.0-210.0	Dacitic tuff, slightly graphitic, minor Qtz., minor Py	748	1.0	Tr.		
210.0-212.5	Graphitic dacitic tuff, minor Qtz., minor Py.	749	2.5	Tr.		
212.5-215.0	Dacitic tuff, minor Q.C. alt., minor Py.	750	2.5	Tr.		
215.0-216.6	Dacitic tuff, 13% Q.C. in fractures, minor Py	751	1.6	Tr.		
216.6-220.0	Andesitic tuff, slightly graphitic, minor Qtz., minor Py	752	3.4	Tr.		
220.0-225.0	Graphitic tuff, 3% Q.C., minor Py., 20% lost core	753	5.0	Tr.		
225.0-229.0	Dacitic tuff, graphitic, 3% Q.C. minor Py banding 5° to 30°					
	to core	754	4.0	Tr.		
	C	[illegible]				
229.0-230.3	Highly graphitic tuff, minor Q.C., minor Py	755	1.3	Tr.		
230.3-232.0	Qtz. vein, breccia, 10% included graphitic tuff, 3% coarse					
	Py	756	1.7	.005		

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NICKEL O[illegible] LTD.

DIAMOND DRILL RECORD

HOLE NO. 81-9

PROPERTY – TULLY TWP.

SHEET NUMBER 5

SECTION FROM ____ TO ____

STARTED ____

LATITUDE ____

DATUM ____

COMPLETED ____

DEPARTURE ____

BEARING ____

ULTIMATE DEPTH ____

ELEVATION ____

DIP ____

PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
232.0-233.5	Qtz. vein, 15% included graphitic and tuff, 7% coarse Py.	757	1.5	.015		
233.5-235.0	Qtz. vein, 30% highly graphitic tuff, 7% coarse Py.	758	1.5	.01		
235.0-236.9	Grey Q.C. vein, 5% coarse Py	759	1.9	.01		
236.9-239.0	Dark grey, QC vein, 5% graphitic tuff, 3% coarse Py. 1%	760	2.1	.085		
	coarse As.Py.	761	2.0	.015		
239.0-241.0	Grey Qtz. vein, 5% coarse Py, minor As.Py.	762	1.4	.02		
241.0-242.4	Graphitic tuff, 30% Qtz. vein, 2% Py	763	2.6	.01		
242.4-245.0	Q.C. vein, 40% included graphitic tuff, 3% Py.	764	2.0	.005		
245.0-247.0	Graphitic tuff, 30% Q.C., 7% coarse Py.	765	2.2	.03		
247.0-249.2	Largely Qtz. vein, 20% include tuff fragments, 4% caarse Py	766	1.6	.15		
249.2-250.8	Graphitic tuff, 50% Qtz. vein, 3% Py.	767	2.2	.10		
250.8-253.0	Graphitic tuff, 20% silicified, 1% Py, 2% As.Py.					
253.0-255.2	Graphitic tuff, 10% Qtz. stringers and solicification,	768	2.2	.155		
	1% Py., 2% needle form As.Py.					
255.2-257.3	Graphitic tuff, 15% Qtz. stringers and solicification,	769	2.1	.115		
	2% Py., 1% As.Py.	770	1.1	.01		
257.3-258.4	Dark greyish, Q.C.vein, 3% Py., 1% As.Py.	771	2.4	.005		
258.4-260.8	80% dark greyish, Q.C. vein, 2% Py	772	1.7	.005		
260.8-262.5	90% Q.C. vein material, 5% coarse Py.	773	2.0	.005		
262.5-264.5	Greyish Q.C. vein, 1% Py	774	1.7	.01		
264.5-266.2	Graphitic tuff, 40% dark grey Q.C. vein, 5% Py.					

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DRILLED BY

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.

HOLE NO. 81-9

SHEET NUMBER 6

SECTION FROM ______ TO ______

STARTED ______

LATITUDE ______

DATUM ______

COMPLETED ______

DEPARTURE ______

BEARING ______

ULTIMATE DEPTH ______

ELEVATION ______

DIP ______

PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE	
266.2-267.7	70% Q.C. vein material, 3% Py.				
267.7-269.5	Graphitic tuff, 30% Q.C., 3% Py.	775	1.5	.035	
		776	1.8	Tr.	
269/5-271.0	Q. Vein, 15% included graphitic tuff, 10% coarse Py.	817	1.5	.005	
271.0-272.7	Q. Vein, 10% included graphitic tuff, 5% coarse Py.	818	1.7	Tr.	
272.7-276.0	Graphitic tuff, finely banded at 1-5° to core, 5% Q.C. alt. 2% Py.				
276.0-277.6	Graphitic dacitic, two 2" Q. veins at 70° to core, 4% coarse Py.	819	3.3	.025	
277.6-283.1	Graphitic dacitic tuff, minor Q.C. alt'N. 2% Py.	820	1.6	.055	
283.1-283.9	A 4" vein at 70° to core, 10% coarse Py.	821	5.5	.01	
		822	0.8	.015	

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NICKEL OFFS[illegible] LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 7

LATITUDE

DEPARTURE

ELEVATION

SECTION FROM TO

DATUM

BEARING

DIP

STARTED

COMPLETED

ULTIMATE DEPTH

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES
283.9-285.0	Graphitic tuff, 5% Q.C. alt., 5% Py	823	1.1	Tr.
285.0-287.4	Q. Vein, 3% Py	824	2.4	.005
287.4-289.0	Dacitic tuff, 20% Q. in fractures, 2% Py	825	1.6	.045
289.0-291.4	Dacitic tuff, 40% Q., 2% Py.	826	2.4	.01
291.4-293.6	70% Q. vein, 7% coarse Py	827	2.2	.005
293.6-294.9	Dacitic tuff, 40% ?Q. 3% coarse Py.	828	1.3	.005
294.9-297.2	Dacitic tuff, 15% Q.c. alt., 3% coarse Py	829	2.3	.06
297.2-298.7	Q. vein, contacts at 40° and 70° to core, 3% Py	830	1.5	.005
298.7-302.0	Graphitic dacitic tuff, banding along the core, 5% Q.C. alt'n., 3% Py	831	3.3	.015
302.0-305.5	Dacitic tuff, graphitic, minor Q.C. alt'n., 2% Py	832	3.5	Tr.
305.5-308.0	Dacitic tuff, 30% Q.C., 7% coarse Py	833	2.5	.005
308.0-310.5	Dacitic tuff, minor Q.C. alt., 1% Py	834	2.5	.035
310.5-312.0	Dacitic tuff, 30% crushed Q. vein, 3% coarse Py	835	1.5	.02
312.0-313.9	80% Q. vein at 60° to core, 5% coarse Py.	836	1.9	.10
313.9-315.9	Dacitic tuff, three 2" Q.C. veinlets at 45° to core, 3% Py	837	2.0	.05
315.9-319.5	Dacitic tuff, minor Q.C. alt., 2% Py.	838	3.6	.03
319.5-320.2	Dacitic tuff, 20% Q. along one side of core, 3% Py	839	0.7	.01
320.2-324.5	Dacitic tuff, 5% Q.C., 1% Py	840	4.3	.02
324.5-325.8	Graphitic dacitic tuff, 40% Q., 15% Py.	841	1.3	.01
325.8-32[illegible].7	Dacitic tuff, bedding at 15-40° to core, minor Q.C. alt. 2% Py.	842	1.[illegible]	.05

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-9

SHEET NUMBER 8	SECTION FROM ______ TO ______	STARTED
LATITUDE	DATUM	COMPLETED
DEPARTURE	BEARING	ULTIMATE DEPTH
ELEVATION	DIP	PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
327.7-328.8	Glassy Q. vein, contacts at 70° to core, 5% coarse Py.					
	near edges	843	1.1	Tr.		
328.8-335.0	Dacitic tuff, slightly graphitic, banding at 0-5° to core,					
	minor Q.C. alt, 1% Py	844	6.2	.01		
335.0-337.3	Dacitic tuff, 5% Q.C. alt., 1% Py	845	2.3	.01		
337.3-339.0	Q.C. vein, 5% included tuff, 5% coarse Py.	846	1.7	.015		
339.0-340.5	Q. Vein, 10% included tuff fragments, 10% coarse vuggy Py	847	1.5	.095		
340.5-342.0	Dacitic tuff, 5% Q.C., 1% Py	848	1.5	.015		
342.0-345.0	Dacitic tuff, slightly graphitic, 10% Q.C., 1% Py	849	3.0	.005		
345.0-347.0	Dacitic tuff, graphitic, 5% Q.C., 2% Py	850	2.0	Tr.		
347.0-348.5	70% Q. vein at 50° to core, 3% coarse Py.	851	1.5	.03		
348.5-350.5	Graphitic dacitic tuff, 30% Q., 5% Py	852	2.0	.03		
350.5-353.0	Highly graphitic dacitic tuff, 10% Q.C., 5% Py	853	2.5	.04		
353.0-357.7	Highly graphitic dacitic tuff, 5% Q.C., 1% Py	854	4.7	.005		
357.7-359.7	70% Q. vein in graphitic tuff, 7% coarse Py.	855	2.0	.01		
359.7-364.0	Dacitic tuff, highly graphitic, the banding and graphite					
	follow along core, 5% Q.C. alt., 2% coarse Py	856	4.3	.01		
364.0-369.0	Graphitic dacitic tuff, 5% Q.C., 1% Py.	857	5.0	.015		
369.0-371.7	Dacitic tuff, finely banded along the core, 5% Q.C., 2% Py	858	2.7	.015		
371.7-373.4	50% Q. vein, running along core with 70% coarse Py.	859	1.7	.055		
373.4-375.0	60% Q. vein that runs along core, 5% Py	860	2.1	Tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	AU	ASSAY VAL
375.0-376.8	Graphitic dacitic tuff, 20% Qtz., 1% Py	861	1.8	.02	
376.8-381.5	Dacitic tuff, banded along the core, minor Q.C.alt., 1% Py	862	4.7	.01	
381.5-383.0	70% Q.C., vein running at 40° to core, 3% Py.	863	1.5	.015	
383.0-385.0	Graphitic dacitic tuff, 20% Q.C. in cross fractures, 2% Py	864	2.0	.005	
385.0-386.8	Graphitic dacitic tuff, 20% Q., 2% Py.	865	1.8	.005	
386.8-389.0	60% Q. vein in graphitic dacitic tuff, 1% Py	866	2.2	Tr.	
389.0-391.6	50% Q. vein in graphitic dacitic tuff, 7% coarse Py.	867	2.6	.02	
391.6-393.5	Dacitic graphitic tuff, 40% Q. largely along core, 1% Py	868	1.9	Tr.	
393.5-396.0	Q. vein, 15% included tuff fragments, 4% coarse Py.	869	2.5	Tr.	
396.0-397.7	70% Q. vein, 30% graphitic tuff frag. 3% Py.	870	1.7	.06	
397.7-399.3	50% Q. vein, partly along the core, 7% coarse Py.	871	1.6	.015	
399.3-400.8	70% grey Q. vein, 5% coarse Py.	872	1.5	.025	
400.8-403.0	Graphitic dacitic, 10% Q.C., 1% Py.	873	2.2	.05	
403.0-405.5	Graphitic tuff, 30% Q.C., 1% Py.	874	2.5	Tr.	
405.5-406.8	70% Q.C., 20% graphitic tuff, frag. 5% coarse Py.	875	1.3	.035	
406.8-408.5	Graphitic dacitic tuff, 10% Q.C. along the core, 5% coarse Py.	876	1.7	Tr.	
408.5-409.3	Graphitic tuff, a 6" Q.C. vein, 2% Py.	877	.8	Tr.	
409.3-411.7	Dacitic tuff, slightly graphitic, finely banded at 10-15° to core, minor Q.C., minor Py.	878	2.4	.005	
411.7-414.0	Dacitic tuff, 15% Q. in cross fractures, 3% Py	879	2.3	.005	

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.

HOLE NO. 81-9

SHEET NUMBER 10

SECTION FROM ______ TO ______

STARTED ______

LATITUDE ______

DATUM ______

COMPLETED ______

DEPARTURE ______

BEARING ______

ULTIMATE DEPTH ______

ELEVATION ______

DIP ______

PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES	
414.0-417.0	Dacitic tuff, minor Q.C. alt., minor Py.	880	3.0	.005	
417.0-420.0	Dacitic tuff, banded at 10-20°, 5% Q.C., 1% Py.	881	3.0	.01	
420.0-424.0	Dacitic tuff, some graphite, 5% Q.C., 1% Py	882	4.0	.005	
424.0-429.0	Dacitic tuff, 10% Q.C., 1% Py.	883	5.0	.005	
429.0-430.3	Dacitic tuff, minor Q.C., minor Py.	884	1.3	.015	
430.3-432.0	Dacitic tuff, graphitic, 70% ~~mx~~ Q.C., 7% Py.	885	1.7	.005	
432.0-436.0	Dacitic tuff, minor Q.C., minor Py.	886	4.0	.025	
436.0-437.5	Dacitic tuff, 30% Q.C. stockwork veins, minor Py.	887	1.5	.02	
437.5-439.0	Qtz. vein, 1% Py.	888	1.5	Tr.	
439.0-441.0	80% Q.C., 15% graphitic tuff, 4% Py.	889	2.0	.26	25
441.0-443.0	Graphitic tuff, 40% Q.C., vuggy, 5% Py.	890	2.0	.005	
443.0-445.0	90% Q.C. that runs at 35 to 40° to core, 5% coarse Py.	891	2.0	.01	
445.0-442.0	Highly graphitic tuff, minor Q.C. alt. banding at 0 to 5° to core, 2% Py.	892	4.0	.015	
442.0-450.0	Graphitic tuff, 6" Q.C. vein at 45° to core, 5% Py.	893	1.0	.01	
450.0-454.5	Graphitic tuff, bedding at 6-10° core, minor Q.C. alt. 2% Py.	894	4.5	.01	
454.5-455.7	Graphitic tuff, 50% Q.C. vuggy, 5% coarse Py.	895	1.2	.005	
455.7-458.3	Dacitic tuff, graphitic in part, 10% Q.C., minor Py.	896	2.6	.02	
458.3-461.6	Dacitic tuff, 30% Q.C. in stringers along core, 3% Py. minor graphite	897	3.3	.05	

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.

HOLE NO. 81-9

SHEET NUMBER 11

SECTION FROM ________ TO ________

STARTED ________

LATITUDE ________

DATUM ________

COMPLETED ________

DEPARTURE ________

BEARING ________

ULTIMATE DEPTH ________

ELEVATION ________

DIP ________

PROPOSED DEPTH ________

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL
461.6-463.0	70% Q.C. in tuff, 5% Py. some graphite	898	1.4	.005
463.0-464.8	Dacitic tuff, 40% Q.C. largely along core, 4% coarse Py.	899	1.8	.02
464.8-467.3	Greyish dacitic tuff, partly graphitic, 10% Q.C. stringers	900	2.5	.02
	1% Py.	901	1.5	.005
467.3-468.8	Q.C. vein, 7% coarse Py	902	1.5	.005
468.8-470.3	50% Q.C. in grey graphitic tuff, 5% coarse Py.			
470.3-474.4	Dark greyish dacitic tuff banding at 0° to 10° to core,	903	4.1	.02
	1% Py, minor Q.C.			
474.4-477.4	Dark greyish graphitic tuff, 5% Qtz. in cross fractures,	904	3.0	.025
	2% Py.			
477.4-479.3	Graphitic tuff, 10% Q.C. in stringers along core, graphitic	905	1.9	.01
	5% Py.	906	1.7	Tr.
479.3-481.0	Dark grey, Q.C. vein, 5% coarse Py.	907	1.6	Tr.
481.0-482.6	White Q.C. vuggy, 2% Py.			
482.6-485.2	Dark grey tuff, 20% Q.C. stringers and veinlets, 5% coarse	908	2.6	.015
	Py. vuggy fractures at 50° to core	909	3.4	.005
485.2-488.6	Dark grey tuff, 5% Q.C. in fratures, 1% Py.			
488.6-493.4	Dark grey dacitic tuff, partly graphitic, 5% Q.C., minor	910	5.2	.025
	Py.	911	2.9	.02
493.4-495.3	Graphitic tuff, 30% Qtz. along the core, 1% Py.	912	1.2	Tr.
495.3-496.5	White Q.C. vein, 1% Py.			

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NICKEL OF[illegible]ET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 12

SECTION FROM ______ TO ______

STARTED ______

LATITUDE ______

DATUM ______

COMPLETED ______

DEPARTURE ______

BEARING ______

ULTIMATE DEPTH ______

ELEVATION ______

DIP ______

PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL[illegible]
496.5-497.9	70% Qtz. vein largely along core. 3% Py.	913	1.4	.005
497.9-500.0	Dark grey graphitic dacitic tuff, 10% Q.C. along core,			
	5% coarse Py. partly vuggy.	914	2.1	.045
500.0-502.0	Dacitic tuff, 50% Q.C. along core, 3% Py.	915	2.0	Tr.
502.0-504.0	70% Q.C. largely along the core, 7% coarse Py.	916	2.0	.01
504.0-506.0	Dark grey Q.C. material with some later white Q.C. in			
	stockwork fractures, 1% Py	917	2.0	.015
506.0-508.0	Dark grey Q.C. vein cut by 20% white Q.C. stockwork. Some			
	heavy graphite along the edge of the vein at 508.0 that			
	run at 50° to core	918	2.0	Tr.
508.0-509.8	Dacitic tuff, graphitic minor Q.C., minor Py.	919	1.8	.015
509.8-511.8	Dacitic tuff, 4 - 1" Q.C. veinlets that run at 55° to			
	core, 2% Py. in veins	920	2.0	Tr.
511.8-515.8	Dacitic tuff finely banded at 15° to 30° to core	921	4.0	.01
515.8-519.0	Graphitic tuff, 10% Q.C. along the core partly graphitic	922	3.2	.01
519.0-524.0	Dacitic tuff, bedded along the core, minor Q.C. minor Py.	923	5.0	Tr.
524.0-527.2	Dacitic tuff, banded along the core. minor Q.C. minor Py.	924	3.2	.005
527.2-531.0	Dacitic tuff, bedded along the core, 1% Py., minor Q.C.	925	3.8	.01
531.0-533.7	Dacitic tuff, 30% Q.C. running along the core minor Py.	926	2.7	.02
533.7-534.7	Dark grey Q.C. vein with a stockwork of white Q.C., contact			
	at 50° to core axis, some heavy graphite along the edge.	927	1.0	.015

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.   HOLE NO. 81-9

SHEET NUMBER 13   SECTION FROM ______ TO ______   STARTED ______

LATITUDE ______   DATUM ______   COMPLETED ______

DEPARTURE ______   BEARING ______   ULTIMATE DEPTH ______

ELEVATION ______   DIP ______   PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
534.7-536.0	Q.C. Vein stockwork with contacts at 50° to core, 2% Py	928	1.3	Tr.		
536.0-539.5	Graphitic-dacitic tuff, 3.5% Qtz. in fractures, 1% Py	929	3.5	.01		
539.5-544.4	Dacitic tuff, light greyish bedded at 0° to 5° to core,					
	minor Qtz., minor Py.	930	4.9	.015		
544.4-549.2	Dacitic tuff, bedded along the core, minor Q.C., minor Py	931	4.8	Tr.		
549.2-554.0	Dacitic tuff, minor Q.C., minor Py.	932	4.8	.005		
554.0-557.0	Dacitic tuff, finely banded at 10° to 15° to core	933	3.0	.025		
557.0-560.0	Dacitic tuff, 5% Qtz. in fractures, minor Py.	934	3.0	.005		
560.0-566.0	Dacitic tuff, minor Q.C., minor Py.	935	6.0	.005		
566.0-571.5	Dacitic tuff, bedded at 10° to 15° to core, partly vuggy,					
	minor Py. minor Q.C.	936	5.5	Tr.		
571.5-574.5	Dacitic tuff, minor Q.C., minor Py	937	3.0	Tr.		
574.5-579.5	Dacitic tuff, minor Q.C., minor Py.	938	5.0	Tr.		
579.5-582.5	Dacitic tuff, minor Q.C., minor Py., banded at 5 to 10°	939	3.0	Tr.		
	to core.					
582.5-584.0	Dacitic tuff, 20% Q.C. along the core, 1% Py.	940	1.5	Tr.		
584.0-588.7	Dacitic tuff, 5% Q.C. alt., 1% Py.	941	4.7	.005		
588.7-593.3	Dacitic tuff, finely banded at 0-10° to core, minor Q.C.					
	alt., minor Py.	942	4.6	.01		
593.3-595.8	Dacitic tuff, finely banded with some contortion. Some					
	Qtz. in bands along core, minor Py. Some bands are green-ish chloritic to andesitic	943	2.5	.015		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 14 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VA
595.8-598.2	Dacitic tuff, 20% Q.C. along core, 1% Py.	944	2.4	.01
598.2-601.2	Dacitic tuff, with some fine grain andesitic bands, some Q.C. vein, minor Py.	945	3.0	.005
601.2-605.0	Dacitic to andesitic tuff, 5% Q.C. along the core minor Py	946	3.8	.01
605.0-608.0	Dacitic tuff, slightly graphitic, 20% Q.C. in veinlets along core, 2% Py.	947	3.0	.07
608.0-613.0	Dacitic tuff with some andesitic bands at 0° to 10° to core, minor Q.C., minor Py.	948	5.0	Tr.
613.0-616.3	Dacitic tuff, 10% Q.C., 1% Py.	949	3.3	.005
616.3-617.3	Grey Q.C. vein with contact at 40° to core, 3% Py.	950	1.0	.005
617.3-619.3	Dacitic tuff, 10% Q.C. along the core, 1% Py.	951	2.0	.015
619.3-622.0	Dacitic tuff, 3% Q.C., 2% Py.	952	2.7	.01
622.0-624.0	Dacitic tuff, 10% Q.C. in cross fractures, 2% Py.	953	2.0	.015
624.0-625.5	Dacitic tuff, partly graphitic, 10% Q.C. along the core, 2% Py. this core was droppped and partly run over	954	1.5	.015
625.5-628.0	Dacitic tuff, 20% Qtz. along the core, 1% Py.	955	2.5	.025
628.0-629.6	Grey Q.C. vein with some white Qtz., 3% coarse Py.	956	1.6	.01
629.6-631.3	Dark grey Q.C. vein contacts at 30° to 40° to core, tuff is graphitic along edge, 2% Py.	957	1.7	.005
631.3-632.6	70% grey, Q.C. vein that runs along the core, 2% Py.	958	1.3	.01
632.6-633.8	70% Q.C. largely along the core, 4% coarse Py.	959	1.2	.01

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 15

SECTION FROM ______ TO ______

STARTED

LATITUDE

DATUM

COMPLETED

DEPARTURE

BEARING

ULTIMATE DEPTH

ELEVATION

DIP

PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU
633.8-636.0	Dacitic tuff, 10% Q.C. along the core, 1% Py			
636.0-637.8	Dacitic tuff, 30% grey Q.C. in stringers along the core, 1% Py.	960	2.2	.005
637.8-640.0	Dacitic tuff, partly graphitic, 30% Q.C. in veinlets along the core, 7% coarse Py.	961	1.8	.025
640.0-641.5	Graphitic-dacitic tuff, minor Py., minor Q.C.	962	2.2	.025
641.5-643.0	Dacitic tuff, 30% Qtz. along the core, 4% Py.	963	1.5	Tr.
643.0-647.0	Dacitic-graphitic tuff dark greyish, banded at 0° to 10° to core, minor Q.C., minor Py.	964	1.5	.005
647.0-648.2	Dacitic tuff, partly graphitic, 30% Qtz., 5% Py.	965	4.0	.01
648.2-651.0	Dacitic tuff, 10% Q.C., 1% Py.	966	1.2	.015
651.0-653.7	Dacitic tuff, minor Q.C., minor Py.	967	2.8	.01
653.7-657.0	Dacitic tuff, minor Q.C., minor Py.	968	2.7	.01
657.0-659.5	Dacitic tuff, partly graphitic, 30% Q.C. along core, minor Py	969	4.0	Tr.
659.5-661.5	70% Q.C. along core, 3% coarse Py.	970	2.5	.03
661.5-663.7	Dacitic tuff, graphitic, 30% Q.C. along core, 10% coarse Py	971	2.0	.005
663.7-665.7	80% Q.C., 7% coarse Py., partly vugay	972	2.2	.015
665.7-670.8	Dacitic tuff, graphitic, minor Q.C., 2% Py.	973	2.0	.025
670.8-675.8	Dacitic tuff, partly graphitic, bedded at 0° to 10° to core minor Q.C., minor Py.	974	5.1	.03
675.8-681.0	Dacitic-graphitic tuff, minor Q.C. minor Py.	975	5.0	.005
		976	5.2	.01

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 16 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL.		
681.0-682.5	Graphitic-dacitic tuff, 10% Q.C., 2% Py.	977	1.5	.01		
682.5-684.0	Dark grey Q.C. vein with some white Qtz. filled fracture stockwork, 1% Py.	978	1.5	.005		
684.0-685.5	Quartz-carbonate vein, minor Py.	979	1.5	Tr.		
685.5-687.5	Quartz-carbonate vein with some pink carbonate at contact 7% coarse Py.	980	2.0	.035		
687.5-689.0	Highly graphitic tuff, minor Q.C., minor Py.	981	1.5	.02		
689.0-690.7	Q.C. vein contacts at 40° to core, 3% coarse Py.	982	1.7	.005		
690.7-692.0	Q.C. vein contacts at 40% to core, 7% coarse Py. vuggy in part. Specks of V.G. at 691.3 and 691.5	983	1.3	.77.75	.78	[illegible]
692.0-693.3	Tuff with 2-2" Qtz. filled cross fractures at 60° to core 2% Py.	984	1.3	.02		
693.3-695.0	Dacitic-graphitic tuff, several ½" Qtz. cross fractures that run across the core, 2% Py.	985	1.7	.01		
695.0-699.7	Dacitic tuff, andesitic in part, 3% Q.C. alt., 1% Py.	986	4.7	.005		
699.7-702.0	Dacitic tuff, 20% Q.C. along the core, 2% Py.	987	2.3	.02		
702.0-705.4	Dacitic to andesitic tuff, 5% Q.C. along the core, 1% Py.	988	3.4	Tr.		
705.4-710.0	Dacitic to andesitic tuff, bedded at 5° to 10° to core. 5% Q.C. along core, 2% Py.	989	4.6	.005		
710.0-713.0	Dacitic to andesitic tuff, 5% Q.C. along bedding, 1% Py.	990	3.0	.005		
713.0-714.7	Andesitic tuff, a 6" Q.C. vein across core at 60°, 1% Py	991	1.7	Tr.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 17 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VA.	
714.7-718.0	Dacitic to andecitic tuff, bedded at 10° to 15° to core					
	minor Q.C., minor Py.	992	3.3	.005		
718.0-720.4	Dacitic to andesitic tuff, 5% Q.C. alt., 1% Py.	993	2.4	.02		
720.4-723.0	Graphitic tuff, 30% QC, 7% coarse Py.	994	2.6	.015		
723.0-724.4	Q.C. vein contacts at 30% to core, 3% coarse Py.	995	1.4	Tr.		
724.4-725.7	Graphitic tuff, minor qc. alt. minor Py.	996	1.3	.06		
725.7-728.8	60% Q.C. in a highly graphitic tuff, 3% Py.	997	3.1	Tr.		
728.8-730.7	Q.C. vein with 20% highly graphitic fragments, some pink					
	carbonate, 5% coarse Py.	998	1.9	.01		
730.7-733.5	Dacitic tuff, minor Q.C., 1% Py.	999	2.8	Tr.		
733.5-738.0	Dacitic tuff, banded at 0° to 10° to core, minor Q.C.1%Py	1000	4.5	Tr.		
738.0-742.0	Dacitic tuff, minor Q.C. 1% Py.	1001	4.0	.01		
742.0-746.0	Dacitic tuff, minor Q.C., 1% Py.	1002	4.0	Tr.		
273.0-593.0	Dacitic tuff, light greyish to brownish tint with partly					
	graphitic portions. The banding undulates from 0° to 15°					
	to core, numerous quartz veins follow the core obliquely					
	and carry coarse pyrite.					
593.0-(746)	Dacitic to andesitic tuff, Dacitic tuff with fine bands of					
	chloritic to andesitic composition interlayered with dacitic					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 18 | SECTION FROM ____ TO ____ | STARTED ____

LATITUDE ____ | DATUM ____ | COMPLETED ____

DEPARTURE ____ | BEARING ____ | ULTIMATE DEPTH ____

ELEVATION ____ | DIP ____ | PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH		Au ASSAY VA
	tuff. Some dark grey carbonate veins. Most veins follow along thr core.				
	NOTE 682-695.0 Qtz. stockwork vein zone structure with specks V.G. @ 691.3-691.5. This may represent a zone 6.				
	720.4-730.7 Qtz. vein zone structure				

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-9

SHEET NUMBER 19 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
738.0-742.0	Dacitic tuff, minor Q.C., 1% Py	1001	4.0	.01		
742.0-746.0	Dacitic tuff, minor Q.C., 1% Py	1002	4.0	tr.		
273.0-593.0	Dacitic tuff, light greyish to brownish tint with partly graphitic portions. The banding unduiates from 0° to 15° to core, numerous quartz veins follow the core obliquely and carry coarse pyrite.					
591.0-(746)	Dacitic to andisitic tuff. Dacitic ltuff with fine bands of chlortic to andesitic composition interlayered with dacitic tuff. Some dark grey carbonate veins. Most veins follow along the core.					
s						
	Note 682- 695.0 Qtz. stockwork vein zone structure with specks V.G. @ 691.3, 691.5. This may represent a zone 6.					
	720.4-730.7 Qtz. vein zone structure.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81.9

SHEET NUMBER 20 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED June 30

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH 806.0

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
746.0-750.8	Light green, fine banded tuff, minor Qtz., minor Py.	1025	4.8	Tr		
750.8-755.6	Light green, fine banded tuff, minor Qtz., minor Py	1026	4.8	Tr		
755.6-760.3	Light green, fine banded tuff, minor Qtz., minor Py.	1027	4.7	Tr		
760.3-765.0	Light green, fine banded tuff, minor Qtz., minor Py.	1028	4.7	Tr		
765.0-769.8	Interbanded tuffs and argillite partly graphitic, 1% Py. minor Qtz.	1029	4.8	Tr		
769.8-774.0	Interbanded tuff and argillite graphitic banded at 20° to core, 2% coarse Py., minor Qtx. carb.	1030	4.2	Tr		
774.0-776.3	Graphitic argillite, 15% Qtz., 2% Py.	1031	2.3	Tr		
776.3-778.3	Glassy Qtz. carb. vein, cuts across the core at 60°. Bedding in argillite at 20° to core.	1032	2.0	Tr		
778.3-780.5	Graphitic argillite, 15% Qtz., 1% Py.	1033	2.2	Tr		
780.5-785.3	Qtz. vein, glassy , some Py along edge	1034	2.0	0.02		
785.3-787.3	Graphitic argillite, 5% Qtz., 2% Py.	1035	2.0	Tr.		
(746)-769.5	Geology - Dacitic-tuff, light buff green, finely banded 15° to core, minor Qtz.					
769.5-787.0	Graphitic argillite finely banded with several glassy Quartz-carb. veins.					
787.0-806.0	Graphitic argillite, finely banded at 15° to 20° to the core, a fine large pyrite culus up to 1.cm. diameter					

END OF HOLE = 806.0

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NICKEL O[illegible]SET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 1
SECTION FROM ____ TO ____
STARTED June 3,/81

LATITUDE 2+12 N.
DATUM ____
COMPLETED July 31,/81

DEPARTURE 43 + 00 E
BEARING Due West
ULTIMATE DEPTH ____

ELEVATION 1,000'
DIP collar - 70°, 200' - 66°, 400' - 62½°, 600' - 64°, 850' - 54°
PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
0 - 106.0	Casing in overburden					
Geo. 106.0-108.5	Dacitic tuff, strongly banded at 35° to core slightly					
Samp. 106.0	graphitic. This may be part of a fault block or boulder	1060	2.5	.005		
Geo. 108.5-129.5	Dacitic tuff, greyish, approaches andesite. Dacite in part, minor Q.C., minor Py., Some caving at 112-114 and 125.5 - 127.0					
108.5-113.0	Dacitic tuff, 400 lost core, 1% Py., 20% Q.C.	1061	4.5	Tr.		
113.0-118.0	Dacitic tuff, 1% Py., 5% Q.C.	1062.	5.0	Tr.		
118.0-123.0	Dacitic tuff, bedding at 10°-15° to core, 3% Q.C. along core, 1% Py.	1063	5.0	.01		
123.0-127.0	Dacitic tuff, 3% Q.C., 2% Py.	1064	4.0	.095		
127.0-128.5	Dacitic tuff, a 6" Q.C. vein runs at 60° to core, carries 2% Py.	1065	1.5	.065		
128.5-131.5	Dacitic tuff, 2 - 1in. Q.C. veinlets run across core at 70°, 3% Py. in veins	1066	3.0	.045		

DRILLED BY

SIGNED [illegible signature] 31-

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 2 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

	DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
Geo.	129.5-169.0	Partly graphitic. Dacitic tuff, greyish 15% - 20% Q.C. in veinlets, largely at 60° to core with 3% Py. through-out From 133.5 - 144.5 there is a more concentrated stockwork of veinlets that constitute about 60% Q.C. and a patch of coarse V.G. was noted at 142.7'.					
Geo.	169.0-180.0	Quartz vein stockwork in fractured dacitic graphitic tuff about 70% Q.C., 5% Py.					
	180.0-192.0	Graphitic dacitic tuff, some breccia and cave at 186.0 bedding along the core, 2% Py.					
	192.0-202.5	Quartz vein stockwork in dacitic tuff. Some graphitic structures. Veins run at 60° to core, these carry V.G. at 198.3-201.2					
	202/5-225.7	Dacitic tuff partly graphitic bedding at 25° to 30° to core.					
	131.5-133.5	Dacitic tuff, with a 6" Qtz. vein that runs at 60° to core, 3% Py.	1067	2.0	.05		
	133.5-134.6	80% Q.C.vein 70° across core, 2% Py.	1068	1.1	Tr.		
	134.6-136.0	Dacitic tuff, 20% Qtz., 3% Py	1969	1.4	.025		
	136.0-138.0	White Q.C. vein, 3% coarse Py.	1070	2.0	.025		
	138.0-139.3	70% Qtz. veins, at 70° to core, 7% coarse Py.	1071	1.3	Tr.		
	139.3-142.0	Dacitic-graphitic tuff, minor Q.C., 3% Py	1072	2.7	.065		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 3	SECTION FROM ______ TO ______	STARTED ______
LATITUDE ______	DATUM ______	COMPLETED ______
DEPARTURE ______	BEARING ______	ULTIMATE DEPTH ______
ELEVATION ______	DIP ______	PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
142.0-143.1	White Qtz. vein that runs at 55° to core with graphitic walls and 10% graphitic tuff fragments, carries a patch of coarse specks of V.G. at 142.7	1073	1.1	4.60	4.74	4.
143.1-144.3	Graphitic tuff, 70% qutz in veinlets that run across the core, vuggy in part, 5% coarse Py.	1074	1.2	.11		
144.3-147.6	Graphitic dacitic tuff, 5% Q.C. along the core, 2% Py.	1075	3.3	.06		
147.6-150.0	Dacitic tuff, 2' of ground core with some possible cave, 10% Q.C. along the core, 1% Py.	1076	2.4	Tr.		
150.0-151.0	Dacitic tuff with a minor quartz that runs across the core	1077	1.0	.02		
151.0-151.8	Dacitic tuff, a 2" quartz vein runs across core at 70°, vein carries 5% coarse Py, a small patch of V.G. in broken face of core at 151.4	1078	0.8	.45	.43.	.
151.8-154.2	Dacitic tuff, bedding along core minor Q.C., 2% Py	1079	2.4	.025		
154.2-155.0	Dacitic tuff, 4" Q.C. vein, 4% coarse Py.	1080	0.8	.005		
155.0-160.0	Dacitic tuff, slightly graphitic minor Q.C., 1% Py.	1081	5.0	.015		
160.0-163.6	Dacitic tuff, slightly graphitic, finely banded, minor Q.C. 1% Py.	1082	3.6	Tr.		
163.0-165.0	Q.C. vein at 70° to core with some pink carbonate, 5% Py slightly vuggy	1083	1.4	.065		
165.0-167.7	Dacitic tuff, 5% Q.C. along the core, 1% Py	1084	2.7	.005		
167.7-169.8	Q.C. vein, stockwork, 70% Q.C., 10% Py	1085	2.1	.215	.225	

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
169.8-171.8	Q.C. vein, stockwork, 60% Q.C., 7% coarse Py.	1086	2.0	TR.		
171.8-173.6	Q.C. vein stockwork, 80% Q.C., 4% Py	1087	1.8	TR.		
173.6-175.5	Q.C. vein stockwork, 70% Q.C., 3% coarse Py.	1088	1.9	.075		
175.5-179.0	Dacitic tuff, 70% Q.C., 2% Py	1089	3.5	.005		
179.0-180.0	Glassy Q.C. vein, 2% coarse Py.	1090	1.0	.02		
180.0-188.0	Dacitic tuff, minor Qtz. minor Py.	1091	8.0	TR.		
188.0-192.0	Dacitic tuff, minor Qtz. minor Py.	1092	4.0	.005		
192.0-194.5	Dacitic tuff, 2-2" qtz. veinlets, 5% Py	1093	2.5	.01		
194.5-196.7	Dacitic tuff, 6" qtz. vein, 7% coarse Py.	1094	2.2	TR.		
196.7-197.7	Dacitic tuff, 6" qtz. vein 2% Py	1095	1.0	.04		
197.7-198.7	Dacitic tuff, 6" QC vein V.G. at198.0	1096	1.0	.03	.03	
198.7-200.0	Q.C. vein, minor Py	1097	1.3	TR.		
200.0-202.0	Qtz. vein, minor spec of V.G. at 201.2	1098	2.0	1.33	1.28	1.31
202.0-205.0	Dacitic tuff, minor Qtz. minor Py	1099	3.0	.005		
205.0-206.5	Graphitic dacitic tuff, 70% grey Q.C. that runs along the core, 2% Py.	1100	1.5	.02		
206.5-208.0	80% grey Q.C., 2% Py	1101	1.5	.005		
208.0-210.7	Graphitic dacitic tuff, 10% Qtz. in cross fractures 3%Py	1102	2.7	.02		
210.7-214.2	Graphitic dacitic tuff, 15% Q.C., 3% Py.	1103	3.5	.055		
214.2-216.0	Dacitic graphitic tuff, 3% Q.C. mostly along the core	1104	1.8	.02		
216.0-219.5	Dacitic tuff with finely bedded and highly contorted					

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
	bedding, minor Q.C., minor Py.	1105	3.5	.01		
219.5-221.0	Dacitic tuff, high ly contorted finely banded, 15% Qtz.					
	along the bedding, 2% Py.	1106	1.5	.025		
221.0-224.0	Dacitic tuff, finely banded at 0 to 20° to core	1107	3.0	.005		
224.0-225.7	Dacitic tuff, bedding at 5-25° to core, 5% Q.C., 1% Py	1108	1.7	.06		
225.7-228.3	70% Q.C. in dacitic graphitic tuff, 3% Py.	1109	2.6	.04		
228.3-229.7	80% Q.C. with some graphitic tuff fragments, 7% coarse PY	1110	1.4	.035		
229.7-233.0	Dacitic graphitic tuff ,finely banded, contorted minor Q.C.					
	minor Py	1111	3.3	.005		
233.0-235.0	70% Q.C. in graphitic tuff, 3% coarse Py.	1112	2.0	.01		
235.0-236.3	Contorted highly graphitic tuff, 5% Q.C., 1% Py	1113	1.3	.005		
236.3-239.0	90% Q.C. vein, 10% graphitic tuff fragments, 3% Py.	1114	2.7	Tr.		
239.0-241.0	80% Q.C., 20% graphitic tuff fragments, 3% coarse Py.	1115	2.0	.015		
241.0-242.7	80% Q.C., 15% graphitic tuff, 5% coarse Py.	1116	1.7	.015		
242.7-244.0	graphitic dacitic tuff, bedded 45° to core, minor Q.C.,					
	minor Py.	1117	1.3	.005		
244.0-244.8	7" Q.C. vein that runs across core at 60°, carries 4% Py	1118	0.8	.01		
Geo. 225.7-244.8	Q.C. vein zone about 50% Q.C. with about 3% Py. the tuff					
	is graphitic and highly contorted.					
244.8-257.0	Graphitic dacitic tuff, banded at 0-50° to core, contorted					
	with minor Q.C.					

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.

HOLE NO. 81-10

SHEET NUMBER 6

SECTION FROM ______ TO ______

STARTED ______

LATITUDE ______

DATUM ______

COMPLETED ______

DEPARTURE ______

BEARING ______

ULTIMATE DEPTH ______

ELEVATION ______

DIP ______

PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
257.0-271.0	Q.C. zone in graphitic dacitic tuff, much of the qtz. follows along the bedding and carries along coarse PY.					
244.8-250.0	Dacitic graphitic tuff, bedded along the core, minor Q.C. minor Py	1119	5.2	.005		
		1120	3.0	Tr		
250.0-253.0	Graphitic dacitic tuff, 2% Q.C. minor Py.	1121	4.0	Tr.		
253.0-257.0	Dacitic graphitic tuff, minor Q.C., minor Py	1122	1.2	.005		
257.0-258.2	80% Q.C., 5% coarse Py.	1123	2.0	.01		
258.2-260.2	Graphitic tuff, 30% Q.C. mostly along the core, 3% Py	1124	1.6	.05		
260.2-261.8	Graphitic tuff, 40% Q.C., 3% Py.	1125	1.7	.10		
261.8-263.5	70% Q.C. with graphitic 3% Py	1126	2.2	.03		
263.5-265.7	80% Q.C. stockwork, 5% coarse Py.	1127	2.3	.025		
265.7-268.0	80% Q.C. with graphitic tuff, 8% coarse Py.	1128	1.5	.015		
268.0-269.5	Graphitic tuff, 20% Q.C. along the core, 3% Py.	1129	1.3	.005		
269.5-270.8	Q.C. stockwork, 3% Py.	1130	3.7	.06		
270.8-274.5	Graphitic tuff, 50% dark grey Q.C., 3% Py	1131	1.5	.005		
274.5-276.0	Graphitic dacitic tuff, minor Q.C., 3% coarse Py.	1132	1.0	.04		
276.0-277.0	4" Q.C. vein runs at 40° to core carries 5% coarse Py.					
277.0-280.5	Dacitic tuff banded at 5° to 10° to core, minor Q.C. minor Py.	1133	3.5	.005		
		1134	4.8	Tr.		
280.5-285.3	Dacitic tuff, banded at 0°-5° to core, minor Q.C. minor Py	1135	4.7	Tr.		
285.3-290.0	Dacitic tuff, minor Q.C., minor Py.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 7
SECTION FROM ____ TO ____
STARTED ____
LATITUDE ____
DATUM ____
COMPLETED ____
DEPARTURE ____
BEARING ____
ULTIMATE DEPTH ____
ELEVATION ____
DIP ____
PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
290.0-294.8	Light greenish grey dacitic tuff, banded at 0 to 5° to core, minor Py.	1136	4.8	Tr.		
294.8-297.0	Greenish grey dacitic tuffm minor Q.C., minor Py	1137	2.2	Tr.		
297.0-299.5	Dacitic tuff, 2" Q.C. vein runs at 70° to core, minor Py	1138	2.5	Tr.		
299.5-304.3	Dacitic tuff banded along the core, minor Q.C., minor Py.	1139	4.8	Tr.		
304.3-309.0	Dacitic tuff banded along the core, minor Q.C., minor Py.	1140	4.7	Tr.		
309.0-313.7	Dacitic tuff banded along the core, minor Q.C., minor Py.	1141	4.7	Tr.		
313.7-319.0	Dacitic tuff, 5% Q.C., minor Py	1142	5.3	Tr.		
319.0-323.0	Dacitic tuff, 5% Q.C., 1% Py.	1143	4.0	.01		
323.0-325.0	Graphitic tuff, 20% Q.C. along the core, 2% Py.	1144	2.0	Tr.		
325.0-329.0	Graphitic tuff, minor Q.C., 1% Py.	1145	4.0	Tr.		
329.0-330.2	Q.C. vein that runs at 50° to the core, carries 7% coarse Py and two specs of V.G. at 329.4 in a patch Py.	1146	1.2	.255	.255	
330.2-334.7	Graphitic tuff, minor Q.C., minor Py.	1147	4.5	.03		
334.7-339.0	Graphitic tuff with finely banded Py. that follows along the core, 5% Q.C., 15% Py.	1148	4.3	Tr.		
339.0-344.0	Graphitic tuff with finely banded Py. somewhat vuggy, 5% Q.C., 15% Py.	1149	3.0	Tr.		
Geo. 271.0-334.0	Dacitic tuff finely banded at 0-10° to core, slightly graphitic in part, Q.C. is minor accept 1.2' Q.C. vein that carried 2 specks of vg in Py. at 329.4					

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PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 8 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

	DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
Geo.	334.0-343.0	Banded graphitic Pyrite rock. The pyrite band constitute about 15% to the core. The bedding runs along the core so that this member is about 6" thick.					
	344.0-348.0	Graphitic tuff, minor Q.C., 1% Py	1150	4.0	.005		
	348.0-353.0	Graphitic tuff, dacitic, minor Q.C., minor Py.	1151	5.0	.01		
	353.0-354.5	60% Q.C. along the core, 7% coarse Py	1152	1.5	.005		
	354.5-356.2	Glassy Qtz. vein that carries 5% coarse Py	1153	1.7	.015		
	356.2-357.7	Glassy Qtz. vein, 10% included tuff fragments, 3% Py.	1154	1.5	Tr.		
	357.7-359.8	80% Q.C. stockwork, 2% Py	1155	2.1	Tr.		
	359.8-361.5	Graphitic dacitic tuff, 60% Q.C. stockwork, 7% coarse Py	1156	1.7	Tr.		
	361.5-362.9	Dacitic tuff, 1" Q.C. vein at 50° to core, 5% coarse Py.	1157	1.4	.01		
	362.9-368.0	Dacitic tuff, minor Q.C., ½% Py	1158	5.1	Tr.		
Geo.	343-353.0	Dacitic tuff, slightly graphitic, minor Q.C., minor Py. bedding at 0 to 10° to core					
	353.0-362.0	Glassy Q.C. vein stockwork with some coarse Py near the edges and some small vugs.					
	362.0-392.3	Dacitic tuff slightly graphitic, bedding at 0 to 10° to core, minor Q.C., minor Py. Some darker greenish chloritic bands make the tuff approach Andesitic composition					

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 9 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALL		
368.0-372.5	Dacitic tuff, minor Q.C., minor Py	1159	4.5	Tr.		
372.5-377.0	Dacitic tuff, minor Q.C., minor Py.	1160	4.5	Tr.		
377.0-382.0	Dacitic to andesitic tuff, 3% Q.C. minor Py	1161	5.0	Tr.		
Geo. 392.3-442.0	Q.C. zone with both glassy quartz and Q.C. in a stockwork					
	in dacitic tuff, 2% to 5% Py. This possibly represents					
	the #3 zone.					
382.0-387.0	Dacitic to andesitic tuff, 3% Q.C. minor Py.	1162	5.0	Tr.		
387.0-392.2	Dacite - andesite tuff, 3% Q.C., minor Py.	1163.	5.2	.005		
392.2-394.0	80% Q.C. vein partly along the core, 7% coarse Py	1164	1.8	.01		
394.0-396.3	Dacitic tuff, 15% Q.C. partly along the core, 3% Py	1165	2.3	.025		
396.3-398.8	Tuff, 20% Q.C., 3% Py	1166	2.5	.04		
398.8-401.8	Glassy white Qtz. vein that runs along the core that					
	carries 2% Py	1167	3.0	Tr.		
401.8-403.5	Glassy Qtz. vein, minor Py	1168	1.7	Tr.		
403.5-405.5	Graphitic tuff, 50% Qtz. in stockwork, 3% Py	1169	2.0	Tr.		
405.5-407.8	Glassy white qtz. vein, minor Py	1170	2.3	Tr.		
407.8-409.3	Graphitic tuff, 40% Qtz. along the core, 2% Py	1171	1.5	.005		
**409.3-411.2	Q.C. vein at 30° to core, 3% coarse Py. ** at 409.5.					
	1 mm spec of Py has a gold like sheen that may indicate some					
	interspersed gold, this is indefinite.	1172	1.9	.005		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
411.2-413.4	Q.C. vein stockwork, 1% Py	1173	2.2	TR.		
413.4-416.0	Glassy Q.C. vein, 7% coarse Py	1174	2.6	.005		
416.0-419.3	Graphitic dacitic tuff, contorted at 0 to 20° to core, 3% Q.C., ½% Py	1175	3.3	TR.		
419.3-421.0	Graphitic tuff, 20% Q.C., 3% Py	1176	1.7	.005		
421.0-422.5	70% Q.C. in stockwork, partly along the core, 5% Py.vuggy	1177	1.5	.01		
422.5-424.0	Graphitic dacitic tuff, 5% Qtz., ½% Py	1178	1.5	.065		
424.0-426.0	Graphitic dacitic tuff, minor Qtz., minor Py	1179	2.0	.02		
426.0-427.7	Glassy Qtz. vein, 2% Py	1180	1.7	TR.		
427.7-430.0	60% Qtz. vein, stockwork in graphitic tuff, 7% coarse Py. vuggy	1181	2.3	.03		
430.0-431.0	70% Q.C. stockwork in graphitic tuff, 5% Py	1182	1.0	TR.		
431.0-433.0	Graphitic dacitic tuff, 5% Qtz., 2% Py	1183	2.0	.005		
433.0-434.6	70% Q.C. stockwork in graphitic tuff, 3% Py	1184	1.6	.005		
434.6-435.8	70% Q.C., 1% Py	1185	1.2	.03		
435.8-437.5	Glassy Qtz. vein with 10% tuff inclusions, 3% Py	1186	1.7	TR.		
437.5-439.2	Glassy Qtz. vein, minor Py	1187	1.7	TR.		
439.2-440.5	Glassy Q.C. vein, 5% included tuff fragments, 2% coarse Py	1188	1.3	TR.		
440.5-442.5	Dacitic graphitic tuff, 20% Qtz. in veinlets, 1% Py	1189	2.0	.005		
442.5-445.1	Dacitic tuff, 10% Qtz. along the core, 1% Py.,vuggy	1190	2.6	.005		
445.1-447.6	Dacitic tuff, 30% Q.C. in veinlets, vuggy, 1% Py	1191	2.5	.01		

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.

HOLE NO. 81-10

SHEET NUMBER 11

SECTION FROM ____ TO ____

STARTED ____

LATITUDE ____

DATUM ____

COMPLETED ____

DEPARTURE ____

BEARING ____

ULTIMATE DEPTH ____

ELEVATION ____

DIP ____

PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
447.6-450.2	Dacitic tuff, 5% Q.C. along the core, 1% Py					
450.2-452.4	Dacitic tuff, banded at 0 to 10° to core	1192	2.6	.02		
452.4-453.4	Graphitic tuff, a 4" Q.C. veinlet runs obliquely to core, 5% coarse Py	1193	2.2	.015		
453.4-455.5	Dacitic tuff, minor Qtz., minor Py.	1194	1.0	.04		
455.5-460.0	Dacitic tuff, minor Q.C., minor Py.	1195	2.1	.005		
		1196	4.5	TR.		
Geo. 442.0-460.0	Greyish dacitic tuff, finely banded at 0 to 10° to core with an occassional Q.C. veinlet, the Q.C. veinlets are commonly vuggy.					
460.0-492.4	Dacitic tuff with some fine greenish chloritic bands makes it look like the tuff is becoming slightly andesitic in composition, banding at 0 to 10° to the core.					
460.0-465.0	Dacitic - Andesitic tuff, minor Q.C., minor Py.					
465.0-470.0	Dacitic - Andesitic tuff, minor Q.C., minor Py.	1197	5.0	.005		
470.0-472.3	Dacitic - Andesitic tuff, 1" Qtz. vein runs across core at 50°, ½% Py.	1198	5.0	.015		
472.3-475.0	Dacitic - Andesitic tuff, 1" Qtz. vein runs across core at 70°, 2% Py in vein.	1199	2.3	.005		
475.0-477.5	Dacitic - Andesitic tuff, 5% Q.C., minor Py.	1200	2.7	.005		
		1201	2.5	.01		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 12 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
477.5-480.0	Dacitic-Andesitic tuff, 5% Q.C., minor Py	1202	2.5	.01		
480.0-481.0	Dacitic-Andesitic tuff, 1.5" Q.C. vein, very vuggy cuts					
	across core at 60°, minor Py	1203	1.0	.24	.24	
481.0-484.2	And.-Dac. tuff, 10% Qtz. in veinlets, minor Py	1204	3.2	.025		
484.2-487.4	Dacitic-Andesitic tuff, minor Q.C., minor Py	1205	3.2	.005		
487.4-490.3	Dacitic-Andesitic tuff, 3 - ½" Qtz. veinlets, minor Py	1206	2.9	.02		
490.3-492.4	Dacitic-Andesitic tuff, slightly graphitic, 5% Q.C., 1% Py	1207	2.1	.015		
492.4-494.8	Q.C. vein, zone runs across core at 70% slightly vuggy,					
	3%Py	1208	2.4	.05		
494.8-497.2	Graphitic tuff, 40% Q.C. in stockwork, 2% Py	1209	2.4	.01		
492.4-525.0	Q.C. vein zone with fragments of included graphitic tuff					
	chloritic in part, vuggy cut across core at 70 to 80°					
	this probably represents about #4 overall, 30% Q.C. in zone.					
497.2-500.4	Graphitic tuff, 15% Q.C. in veinlets that run across the					
	core at 60°, 1% Py	1210	3.2	.02		
500.4-502.3	60% Qtz. vein stockwork in graphitic tuff, 2% Py.	1211	1.9	.02		
502.3-504.2	80% Q.C. vein in stockwork in graphitic tuff, 4% coarse Py	1212	1.9	.005		
504.2-506.9	Graphitic tuff, 30% Qtz. veinlets as part of stockwork, 5%					
	coarse Py	1213	2.7	.005		
506.9-508.7	90% glassy Q.C. vein, 3% Py along edges	1214	1.8	.005		

eo.

81-1

DRILLED BY SIGNED

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 13 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
508.7-511.5	Graphitic-dacitic tuff, 15% Q.C., 2% Py	1215	2.8	.02		
511.5-512.4	Graphitic tuff, Q.C. in vein stockwork, 7% coarse Py, vuggy	1216	.9	.005		
512.4-514.2	Graphitic dacitic tuff, minor Qtz., minorPy	1217	1.8	.005		
Geo. 525.0-	Greenish grey dac-and tuff, finely banded along core, Q.C.					
	and Py are relatively rare.					
514.2-516.4	Dacitic tuff, 5% Q.C., ½% Py	1218	2.2	Tr.		
516.4-518.6	~~[illegible]~~ 60% Qtz. vein stockwork, vuggy in part, 1% Py	1219	2.2	Tr.		
518.6-520.3	Dacitic tuff, 3% Q.C., 2% Py	1220	1.7	.015		
520.3-522.8	Dacitic tuff, 30% Q.C.. stockwork, 2% Py	1221	2.5	.04		
522.8-525.0	Dacitic tuff, 20% Q.C. in stockwork, 1% Py	1222	2.2	.025		
525.0-528.5	Dacitic tuff, 5% Q.C., ½% Py slightly vuggy	1223	3.5	Tr.		
528.5-533.0	Dacitic-andesitic tuff, minor Q.C. minor Py	1224	4.5	Tr.		
533.0-537.8	Andesitic-dacitic tuff, finely banded along core with					
	some fragments of dacite rock alignment along bedding that					
	may be due to brecciation or agglomerate texture	1225	4.8	Tr.		
537.8-542.8	Andesitic-dacitic tuff, minor Q.C., minor Py	1226	5.0	.01		
542.8-547.7	Dacitic-Andesitic tuff, minor Q.C., minor Py	1227	4.9	.005		
547.7-552.4	Dacitic-Andesitic tuff, minor Q.C., minor Py bedding is	1228	4.7	.005		
	contorted but generally follows the core					

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 14 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
552.4-557.3	Dacite - and. tuff, finely anded at 0-10° to core, minor Q.C., minor Py	1229	4.9	.005		
557.3-562.0	Dac. - and. tuff, minor Q.C., minor Py.	1230	4.7	.005		
562.0-566.7	Dac. And, tuff, ~~3%~~ minor Q.C. minor Py	1231	4.7	.005		
566.7-571.5	Dac. And., tuff, 3% Q.C., minor Py	1232	4.8	.005		
571.5-576.2	And. Tuff, minor Q.C. minor Py	1233	4.7	Tr.		
576.2-578.8	And, Tuff., minor Q.C., ½% Py	1234	2.6	Tr.		
578.8-579.9	And. tuff, 20% Q.C. in veinlets, 1% Py	1235	1.1	.005		
579.9-585.7	And. tuff, minor Q.C., minor Py	1236	5.8	.005		
585.7-588.2	And. tuff, 10% Q.C. along core, ½% Py	1237	2.5	.005		
588.2-590.2	And. tuff, 15% Q.C. running along core, 1% Py	1238	2.0	.005		
590.2-595.0	And. tuff, minor Q.C.	1239	4.8	.025		
595.0-599.8	And. Tuff, 5% Q.C. veinlets, minor Py.	1240	4.8	.005		
599.8-605.0	And. tuff, minor Q.C., minor Py.	1241	5.2	.005		
605.0-609.0	And. tuff, 3% Q.C. minor Py.	1242	4.0	Tr.		
609.0-610.0	And. tuff, a 6" Q.C. vein cut across core at 60°, 1% Py.	1243	1.0	Tr.		
610.0-612.0	Dac.-and. tuff, 5% Qtz., 1% Py	1283	2.0	.01		
612.0-614.0	Dac.-and. tuff, 20% Qtz. partly along the core, 2% Py	1284.	2.0	.005		
614.0-617.0	Dac.-and. tuff, minor Q.C., minor Py	1285	3.0	Tr.		
617.0-619.5	Dac.-and. tuff, minor Q.C., minor Py.	1286	2.5	.015		
619.5-621.5	Dac.-and. tuff, 10% Q.C. in veinlets, 1% Py	1287	2.0	.02		

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NICKEL O[illegible]SET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 15 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
621.5-626.0	Dac.-and. tuff, finely banded at 5-15° tocore, minor Q.C.					
	minor Py	1288	4.5	.005		
626.0-629.0	Dac.-and. tuff, 3% Q.C., ½% Py	1289	3.0	.005		
629.0-631.5	Dac.-and. tuff, minor Q.C., minor Py	1290	2.5	.005		
631.5-633.0	Dac.-and. tuff, minor Q.C., minor Py, banded at 10-20° to					
	core	1291	1.5	.12		
633.0-636.0	Dac.-and. tuff, 3% Q.C., 1% Py and some minor vuggs	1292	3.0	.025		
636.0-640.0	Dac.-and. tuff, 3% Q.C. in stringers, minor Py	1293	4.0	.015		
640.0-641.3	Dac.-and. tuff, 5% Q.C. in stringers, ½% Py	1294	1.3	.005		
641.3-643.7	Dac.-and. tuff, 10% Q. in stringers, along core, 1% Py	1295	2.4	.015		
643.7-647.3	Dac. -and. tuff, banded at 10-20° to core, minor Q.C.					
	minor Py	1296	3.6	.005		
647.3-648.8	Dac.-and. tuff, minor Q.C., minor Py	1297	1.5	.005		
648.8-649.5	Dac.-and. tuff, a 1" Qtz. vein runs across the core at					
	70°, minor Py	1298	.7	.005		
649.5-653.0	Dac.-and. tuff, minor Q.C., minor Py	1299	3.5	Tr.		
653.0-656.0	Dac.-and. tuff, 2 - ¼" Qtz. stringers run obliquely to the					
	core and carry some Py	1300	3.0	.01		
656.0-659.0	Dac.-and. tuff., minor Q.C., minor Py	1301	3.0	.005		
659.0-663.5	Dac.-and. tuff., 3% Q.C. in stringers, ½% Py	1302	4.5	.005		
663.5-664.3	Dac.-and. tuff., some graphitic alt., 5% Q.C., 2% Py	1303	.8	.02		

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DRILLED BY ____ SIG[illegible] ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 16 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

	DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY		
	664.3-666.3	Graphitic tuff, 20% Q.C. that runs along the core, 3% Py	1304	2.0	.01		
	666.3-668.5	Graphitic tuff, 10% Q.C. largely along the core, 1% Py	1305	2.2	.025		
Geo.	(610)-664.5	Dac.-and. tuff., a light greenish-grey strongly banded at 5-20° to core, quartz-carbonate veinlets and Py. mineralization is rare.					
	666.4-668.5	Strongly graphitic tuff, with some Q.C. and pyritic mineralization banded at 5-15° to core.					
	668.5-	Dac.-and. tuff., greenish grey, strongly banded at 0-10°' to core, some minor Q.C. alt. and Py.					
	668.5-672.0	Dac.-and. tuff., banding at 0° to core, minor Q.C, minor Py	1306	3.5	Tr.		
	672.0-675.5	Dac.-and. tuff, banded along the core, minor Q.C., minor Py	1307	3.5	Tr.		
	675.5-677.5	Dac.-and. tuff, minor Q.C., ½% Py	1308	210	Tr.		
	677.5-680.0	Dacite-and. tuff, 5% Q.C., 1% Py	1309	2.5	.065		
	680.0-681.0	Dac.-and. tuff, 3" Q.C. vein runs across the core and carries 5% Py	1310	1.0	.045		
	681.0-682.8	Dac.-and. tuff, 3% Q.C., minor Py	1311	1.8	Tr.		
	682.8-687.5	Dac.-and. tuff, bedding at 5-10° to core, minor Q.C., minor Py.	1312	4.7	Tr.		
	687.5-692.0	And.-dac. tuff., minor Q.C., minor Py	1313	4.5	.005		
	692.0-696.9	And.-dac. tuff, finely banded at 5 to 10° to core, 3% Q.C. stringers, ½% Py	1314	4.9	.02		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 17 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
696.9-699.0	Dacite-And. tuff., 3% Q.C. minor Py	1315	2.1	.62		
699.0-701.7	Dac.-And. tuff., 7% Q.C. in stringers, ½% Py	1316	2.7	.05		
701.7-705.4	Dac.-And. tuff., 5% Q.C. along the core, 1% Py and a trace					
	of arseno Pyrite.	1317	3.7	.015		
705.4-709.0	Dac.-And. tuff., minor Q.C., ½% Py	1318	3.6	.005		
709.0-712.0	Dac.-And. tuff., minor Q.C., minor Py	1319	3.0	.01		
712.0-714.0	Dac.-And. tuff, 10% Q.C. along banding, 1% Py	1320	2.0	.01		
714.0-716.0	And.-Dac. tuff.,5% Q.C., 1% Py	1321	2.0	.005		
716.0-717.1	Dacite-And. Tuff., 20% Q.C. in cross fractures, ½% Py	1322	1.1	.01		
717.1-718.6	Dacite-And. tuff, 15% Q.C. in cross fractures that extend					
	across only half the core, ½%Py	1323	1.5	Tr.		
718.6-720.6	And. Dac. tuff, bedding 0-5° to core, minor Q.C., ½ Py	1324	2.0	Tr.		
720.6-723.7	Dacite tuff., finely banded at 10-15° to core, minor Q.C.	1338	3.1	Tr		
	minor Py					
723.7-725.2	Dacitic tuff, 30% Q.C. along core, 1% Py	1339	1.5	.005		
725.2-729.7	Dacitic tuff, finely banded at 10° to 15° to core, minor					
	Q.C., minor Py	1340	4.5	Tr		
729.7-732.5	Dacite tuff, 10% Q.C. along banding, ½% Py	1341	2.8	Tr		
732.5-736.0	Dacitic tuff, minor Q.C., minor Py	1342	3.5	Tr		
736.0-739.0	Dacite tuff, minor Q.C., minor Py.	1343	3.0	Tr		
739.0-742.8	Dacite tuff, banded at 0 to 5° to core, minor Q.C.,1% Py	1344	3.8	0.01		

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DRILLED BY ____ SIGN.

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 18 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

	DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
	742.8-744.5	Dacite tuff, 60% Q.C., 5% coarse Py. this may be the #6 zone structure	1345	1.7	Tr		
	744.5-746.7	70% Q.C. as a stockwork in graphitic dacitic tuff, 7% Py	1346	2.2	Tr		
eo.	742.8-746.7	Zone #6? A stockwork of Q.C. in brecciated graphitic dacitic tuff, some minor pink Q.C. and 5% Py.					
eo.	746.7 (834.5)	Dacitic tuff with some partly andesitic and slightly graphitic sections. The bedding runs from 0 to 15° to core about 7% Q.C. stringers throughout and minor Py.					
	746.7-750.7	Dacite tuff, 5% Q.C., 1% Py	1347	4.0	0.055		
	750.7-753.8	Dacite tuff, 5% Q.C., 2% Py	1348	3.1	0.005		
	753.8-757.0	Dacite tuff, 10% Q.C. along the banding, 1% Py	1349	3.2	Tr		
	757.0-760.5	Dacite tuff, 5% Q.C., 1% Py	1350	3.5	0.05		
	760.5-764.0	Dacite tuff, 10% Q.C., 2% Py	1351	3.5	0.125		
	764.0-767.5	Dacite tuff, 5% Q.C., along the banding, 1% Py	1352	3.5	Tr		
	767.5-769.5	Dacitic tuff, 5% Q.C., 1% Py	1353	2.0	Tr		
	769.5-771.5	Dacitic tuff, 20% Q.C. along the core, 2% Py.	1354	2.0	Tr		
	771.5-773.7	Dacitic tuff, 20% Q.C. along the core, 2% Py	1355	2.2	0.005		
	773.7-776.3	Dacitic tuff, 3% Q.C., 2% Py.	1356	2.6	0.005		
	776.3-778.3	Dacite tuff, 30% Q.C., minor Py.	1357	2.0	Tr		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 19 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL.		
778.3-780.5	Dacite tuff, 5% Q.C., 3% Py.	1358	2.2	.025		
780.5-783.0	Dacite tuff, 10% Q.C. along the core, 2% Py.	1359	2.5	.015		
783.0-786.2	Dacite tuff, 7% Q.C., 1% Py	1360	3.2	.01		
786.2-789.2	Dacite tuff, 15% Q.C. mostly along the bedding, 2% Py and minor As.Py.	1361	3.0	.01		
789.2-792.0	Dacite tuff, 15% Q.C., 3% Py	1362	2.8	.005		
792.0-794.4	Dacite tuff, 7% Q.C., 2% Py. trace of AsPy	1363	2.4	.015		
794.4-795.6	Dacite tuff, 30% Q.C. running along the core, 2% Py	1364	1.2	Tr		
795.6-797.4	Dacite tuff, 15% Q.C., 2% Py	1365	1.8	Tr		
797.4-799.7	Dacite tuff, 10% Q.C., 1% Py	1366	1.3	Tr		
799.7-801.2	Dacite tuff, 60% Q.C. along the core, 1% Py	1367	1.5	.08		
801.2-802.5	Graphitic-dacitic tuff, 10% grey Qtz., a spec of sphalenite 10% Py	1368	1.3	.08		
802.5-804.7	Dacite tuff, 5% Q.C., ½% Py	1369	2.2	.02		
804.7-807.7	Dacitic tuff, minor Q.C., 2% Py	1370	3.0	Tr		
807.7-811.0	Dacite tuff, 5% Q.C., minor Py	1371	3.3	Tr		
811.0-814.7	Dacite tuff, minor Q.C., ½% Py	1372	3.7	Tr		
814.7-816.7	Dacite tuff, 10% Q.C. vuggy, minor Py	1373	2.0	Tr		
816.7-820.7	Dacite tuff, 5% Q.C., minor Py	1374	4.0	Tr		
820.7-823.0	Dacite tuff, 5% Q.C., 2% Py	1375	2.3	Tr		
823.0-826.0	Dacitic tuff, minor Q.C., ½% Py	1376	3.0	Tr		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 20 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
826.0-829.0	Dacite tuff, minor Q.C., 3% Py	1377	3.0	.01		
829.0-832.0	Dacite tuff, minor Q.C., 1% Py	1378	3.0	Tr		
832.0-834.5	Dacite tuff, banded along core, 7% Q.C., 2% Py	1379	2.5	.005		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP.

HOLE NO. ____

SHEET NUMBER 20

SECTION FROM ____ TO ____

STARTED ____

LATITUDE ____

DATUM ____

COMPLETED ____

DEPARTURE ____

BEARING ____

ULTIMATE DEPTH ____

ELEVATION ____

DIP ____

PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
Geo. 834.5-839.5	Dacite, light tuff to grey color, finely banded with some coarse Py. cubes, banding at 10° to core.					
839.5-846.0	Hightly graphitic argullite or tuff, finely banded along the core with highly pyritic bands and some glassy quartz.					
846.0-850.0	70% white glassy quartz veining in highly graphitic rock 3% Py					
850-883.0	Lost core due to inexperience of runner who drilled without core barrel.					
883.0-896.0	Highly graphitic Argillite near the tuff, contact 40% glassy quartz with heavy Py. mineralization, fine argillations. bedding at 15° to core. A few coarse Py. cubes.					
896.0-915.0	Black argillite graphitic, some very fine banding right along the core.					
		1391	2.5	.01		
834.5-837.0	Dacite tuff, 5% Q.C., 3% coarse Py.	1392	1.5	.015		
837.0-838.5	Dacite tuff, 30% Qtz., 5% coarse Py.	1393	0.7	.005		
838.5-839.2	Dacite tuff, 30% Qtz., 2% Py					

SIGNED ____

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-10

SHEET NUMBER 21 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
839.2-842.5	Graphitic argillite, 3% Py. in a band	1394	3.3	Tr		
842.5-845.0	Banded graphitic Argillite, 10% coarse Py. in bands, minor					
	Q.C.	1395	2.5	0.06		
845.0-848.0	70% glassy quartz in graphitic rock, 3% Py., 40% lost core	1396	3.0	Tr		
848.0-859.0	70% Qtz. in graphitic rock, 3% Py, 20% lost core	1397	2.0	Tr		
850.0-883.0	LOST CORE					
[illegible]	[illegible]					
883.0-884.8	70% glassy quartz in graphitic rock, 5% Py	1398	1.8	0.005		
884.8-887.2	Graphitic Argillite, minor Q.C., 3% Py, in bands	1399	2.4	Tr		
887.2-888.8	70% Q.C. vein, 3% Py	1400	1.6	0.005		
888.8-891.0	finely banded graphitic Argillite, minor Q.C., 2% Py.	1401	2.2	Tr		
891.0-894.5	70% Q.C. in graphitic Argillite, 3% Py	1402	3.5	Tr		
894.5-896.3	80% Q.C., 2% Py	1403	1.8	.01		
896.3-899.0	Graphitic Argillite, 20% Qtz., 2% Py.	1404	2.7	.005		
899.0-899.8	70% Qtz. in Argillite, 3% Py.	1405	0.8	Tr		
899.8-903.0	Graphitic Argillite minor Q.C., minor Py.	1406	3.2	Tr		
903.0-906.0	Graphite Argillite, bedded along the core.	1407	3.0	Tr		
906.0-909.5	Graphitic Argillite finely banded along the core, minor Py	1408	3.5	Tr		
909.5-911.2	Graphitic Argillite, 30% Qtz. in stringers, 1% Py.	1409	1.7	Tr		
911.2-914.5	Argillite graphitic finely banded along the core, minor					
	Q.C., 2% Py	1410	3.3	Tr		

914.5 END OF HOLE (marked 915)

DRILLED BY ______ SIGNED ______

81-10

[illegible]

DIAMOND DRILL RECORD

PROPERTY - TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 1

SECTION FROM ____ TO ____

STARTED June 23, 1981

LATITUDE 2 + 07' N

DATUM ____

COMPLETED Aug 30 [illegible]

DEPARTURE 44 + 00 E

BEARING Collar Due West

ULTIMATE DEPTH 1397'

ELEVATION 1000'

DIP Collar -70°

PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VA.	
0-108.0	Casing in overburden with some boulders near bottom				
108.0-111.4	Q.C. vein with some pink Q.C. and several fine specks of V.G. at 108.3 (graphitic fragments, 1% Py.)				
111.4-(159.3)	Dark greyish graphitic-dacitic tuff, with minor Q.C. and minor Py.				
108.0-109.3	White Q.C. vein, several fine specks of V.G. at 108.3	1003	1.3	.02	2.07
109.3-110.7	White quartz vein, minor Py.	1004	1.4	.005	
110.7-111.7	Q.C. vein with some pink carbonate, minor Py.	1005	1.0	.01	
111.7-113.2	Highly graphitic tuff, 2% Py.	1006	1.5	.015	
113.2-114.6	Q.C. vein with some pink carbonate vein, 3% coarse Py.	1007	1.4	.025	
114.6-119.0	Graphitic tuff, 10% Q.C., 2% Py.	1008	4.4	.01	
119.0-124.0	Graphitic tuff bedded at 0° to 5° to core, 5% Q.C., 2% Py	1009	5.0	.005	
124.0-126.8	Highly graphitic tuff, 5% Q.C., 1% Py.	1010	2.8	Tr.	
126.8-127.6	Q.C. vein with some pink carbonate, 1% Py.	1011	0.8	.005	
127.6-130.8	Graphitic tuff, 30% Q.C., 1% Py.	1012	3.2	.005	
130.8-134.0	Graphitic tuff, 5% Q.C., 1% Py.	1013	3.2	.005	
134.0-138.5	Graphitic tuff, 3% Q.C., 1% Py.	1014	4.5	.005	
138.5-142.0	Graphitic tuff, 10% Q.C. 2% Py.	1015	3.5	Tr.	
142.0-143.5	Graphitic tuff, 10% Q.C., 1% Py.	1016	1.5	Tr.	

DRILLED BY ____

C. J. Kurylowi[illegible] 81-

NICKEL O[illegible] LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 2	SECTION FROM ____ TO ____	STARTED
LATITUDE 2+12 N	DATUM	COMPLETED
DEPARTURE 44 + 00 E	BEARING West	ULTIMATE DEPTH
ELEVATION 1,000'	DIP -70°	PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
143.5-145.5	90% Q.C. vein, with contacts at 35° to core, ½% Py.	1017	2.0	Tr.		
145.5-147.5	80% Q.C. vien, ½% Py.	1018	2.0	Tr.		
147.5-149.5	Graphitic dacitic tuff, 10% Q.C. along the core, ½% Py.	1019	2.0	Tr.		
149.5-152.0	Tuff, 40% Q.C. in stockwork fractures, 5% coarse Py.	1020	2.5	Tr.		
152.0-155.0	Dacitic tuff, 5% Q.C., ½% Py.	1021	3.0	.005		
155.0-157.0	Dacitic tuff, 10% Q.C., ½% Py.	1022	2.0	.005		
157.0-158.0	Dacitic tuff, 3% Q.C., 1% Py.	1023	1.0	Tr.		
158.0-159.3	Dacitic 20% Qtz. in cross fractures, ½% Py	1024	1.3	Tr.		
159.3-169.3	Dacitic tuff, partly graphitic minor Qtz., minor Py					
	fine bedding at 0 to 10° to core					
169.3-199.0	Graphitic dacite cut by numerous Qtz.C. veinlets, total					
	about 20% of core. 186.5-199.0 essentially a 50% Q.C.					
	stockwork structure with up to 3% py.					
199.0-(237)	Graphitic-dacitic tuff, finely banded at o-10° to core					
	some Q.C. stringers.					
159.3-164.1	Dacitic tuff, 5% Qtz., minor Py	1036	4.8	Tr		
164.1-169.0	Dacitic tuff, 5%1Qtz., minor Py	1037	4.9	Tr		
169.0-171.0	Dacitic tuff, 30% Qtz.carb., ½% Py	1038	2.0	.005		
171.0-173.8	Graphitic-dacitic tuff, wit a 1 ft. glassy Qtz. vein					
	at 60° to core, 2% Py. in wall rock	1039	2.8	.04		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81/11

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL		
173.8-176.0	Highly graphitic tuff, 15% Q.C. stringers, 2% Py	1040	2.2	Tr		
176.0-179.3	Highly graphitic tuff, 10% Q.C. veinlets, ½% Py	1041	3.3	Tr		
179.3-182.0	Graphitic-dacitic tuff, 5% Q.C. stringers, 1% Py	1042	4.7	Tr		
184.0-186.6	Graphitic-dacitic tuff, 5% Q.C. stringers, ½% Py	1043	2.6	Tr		
186.6-188.8	Stockwork breccia, Q.C. is 60% of core with graphitic dacitic tuff					
	fragments, 1% Py	1044	2.2	.02		
188.8-190.8	Stockwork breccia, Q.C. is 60% of core with graphitic dacitic tuff					
	fragments, ½% Py	1045	2.0	.005		
190.8-192.6	Graphitic dacitic tuff, 40% Q.C., 1% Py	1046	1.8	.015		
192.6-195.8	Graphitic dacitic tuff, minor Q.C., minor Py	1047	3.2	.005		
195.8-198.0	Q.C. stockwork vein, 80% Q.C., 10% graphitic tuff fragments, 1% Py	1048	2.2	.015		
198.0-199.3	Graphitic tuff, 30% Q.C. in stockwork, 1% Py	1049	1.3	.005		
199.3-206.0	Graphitic-dacitic tuff, 5% Q.C., minor Py	1050	6.7	Tr		
206.0-211.0	Graphitic-dacitic tuff, minor Q.C., ,minor Py	1051	5.0	Tr		
11.0-215.0	Graphitic-dacitic tuff, minor Q.C., minor Py	1052	4.0	Tr		
215.0-220.0	Graphitic-dacitic tuff, 10% Q.C., 1% Py	1053	5.0	.005		
220.0-222.0	Graphitic-dacitic tuff, minor Q.C., minor Py	1054	2.0	Tr		
222.0-223.5	Graphitic-dacitic tuff, 20% Q.C., minor Py	1055	1.5	Tr		
223.5-225.0	Graphitic-dacitic tuff, minor Q.C., minor Py	1056	1.5	Tr		
225.0-226.7	70% Q.C. vein some pink carbonate, 1% Py	1057	1.7	Tr		
226.7-231.5	Graphitic-dacitic tuff, minor Q.C., minor Py	1058	4.8	Tr		

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DRILLED BY ____ SIG____

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VAL.		
231.5-237.0	Graphitic-dacitic tuff, minor Q.C. minor Py	1059	5.5			
234.0-236.5	Graphitic-dacitic tuff, minor Q.C., minor Py	1325	2.5	TR.		
236.5-240.0	Graphitic dacitic tuff, minor Q.C. minor Py	1326	3.5	TR.		
240.0-240.8	Dacitic graphitic tuff, 4" coarse calcite vein looks barren	1327	0.8	TR.		
240.8-243.5	Dacite andesite tuff, 5% Q.C. in stringers,1% Py	1328	2.7	.005		
243.5-246.2	Dacite tuff, 3% Q.C., ½% Py	1329	2.7	TR.		
246.2-248.4	Dacite tuff, 3% Q.C., minor Py	1330	2.2	.005		
248.4-250.4	Dacite tuff, 10% Q.C. along the core, 2% Py. Traces of AsPy	1331	2.0	.01		
250.4-253.0	Dacite tuff, 10% Q.C. along the core, 1% Py, ½% As.Py	1332	2.6	.05		
348.0-351.4	Graphitic-Dacitic tuff, minor Q.C., 5% Py largley in Pyritic bands					
	that follow one edge of core for 1 foot	1333	3.4	.005		
351.4-354.0	sightly graphitic-dacitic tuff, minor Q.C., minor Py	1334	2.6	.005		
354.0-358.5	Graphitic dacitic tuff, minor Q.C., 2% Py	1335	4.5	TR.		
358.5-362.5	Graphitic dacitic tuff, minor calcite stringers, 1% Py	1336	4.0	TR.		
362.5-366.5	Graphitic dacitic tuff, 5% Q.C., nminor Py	1337	4.0	TR.		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALU		
(254)-255.7	Greyish dacitic tuff, a 3" glassy Qtz. vein, 1% Py	1244	1.7	.025		
255.7-258.9	Greyish dacitic tuff, bedding along core, 3% Q.C. along core, 2% Py	1245	3.2	.025 TR	Tr	
258.9-261.7	Greyish dacitic tuff, ½" irregular Q. vein, 1% Py, ½% fine as.py	1246	2.6	TR .005	.025	
261.7-265.0	Tuff, 7% Q. in fractures, 2% Py, a trace of As.Py.	1247	3.3	.015	.015	
265.0-266.7	Greyish dacitic tuff, 10% Qtz. in irregular cross fractures, 3% Py	1248	1.7	.065	.065	
266.7-270.5	Greyish dacitic tuff, 3% Q.C., 1% Py., trace aspy.	1249	3.8	.015	.01	
270.5-273.5	Greyish dacitic tuff, 10% Qtz. in cross fractures, 2% Py	1250	3.0	.28	.29	.31
273.5-274.5	Dacitic tuff, graphitic, 20% Qtz. in fractures, 2% Py.,1% arspy.	1251	1.0	.09		
274.5-278.5	Graphitic dacitic tuff, finely banded, contorted to 40° to core,2%py	1252	4.0	.04		
278.5-280.3	Dacitic tuff, 50% Q.C., 1% Py	1253	1.8	.065		
280.3-284.8	Greyish dacitic tuff, 10% Q.C. along the core, 1% Py	1254	4.5	.005		
284.8-285.7	Dacitic tuff, a 4" glassy Qtz. vein along core, 3% Py	1255	0.2	.005		
285.7-288.3	Dacitic tuff, minor Q.C., 1% Py	1256	2.6	.01		
288.3-290.5	Dacitic tuff, 20% Qtz. in fractures, 3% Py	1257	2.2	.015		
290.5-292.0	Dacitic tuff, 30% Qtz. in veins at 70° to core, ½% Py	1258	1.5	.005		
292.0-293.5	Dacitic tuff, minor Q.C., 2% Py	1259	1.5	.01		
Geol. (254)-293.5	Greyish dacitic tuff with 5-10% Qtz. in fractures, 2% Py on average with some arseno pyrite, mineralization					
293.5-323.5	Q.C. vein stockwork in graphitic dacitic tuff, about 60% Q.C. This probably represents the #2 shoot.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 6 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VA.		
293.5-295.2	80% Q.C. vein in stockwork with contacts at 70° to core and carries					
	2% Py	1260	1.7	TR		
295.2-297.2	90% Q.C. vein in stockwork, 2% Py	1261	2.0	.005		
297.2-298.5	Graphitic dactic tuff, 40% Q.C. vein in stockwork, 1% Py	1262	1.3	.03		
298.5-300.5	Graphitic dacitic tuff, 15% Q.C. in fractures, 2% py, 1% aspy	1263	2.0	.005		
300.5-302.0	Graphitic dacitic tuff, 40% Qtz., 3% Py	1264	1.5	.17	.16	
302.0-304.0	Dacitic tuff, 40% Qtz., 2% Py	1265	2.0	.005		
304.0-306.0	Dacitic tuff, 40% Qtz. in stockwork, 2% Py	1266	2.0	TR		
306.0-308.0	70% Q.C. in stockwork with graphitic tuff, fragment, 2% Py	1267	2.0	.01		
308.0-310.0	30% Q.C. in graphitic tuff, 1% Py	1268	2.0	.005		
310.0-311.5	80% Qtz. with some highly graphitic tuff, 7% coarse Py, trace of					
	chalco pyrite.	1269	1.5	.005		
311.5-312.7	an 8" glassy Qtz. vein runs across the core at 70°, 2% Py	1270	1.2	.015		
312.7-314.5	Graphitic dacitic tuff, 10% Q.C., 2% Py	1271	1.8	.005		
314.5-316.5	A glassy Q.C. vein, 2% Py	1272	2.0	.005		
316.5-318.5	A glassy Qtz. vein, 1% Py	1273	2.0	TR		
318.5-320.5	A glassy Qtz. vein, 1% Py	1274	2.0	.005		
320.5-322.5	60% Q.C. in stockwork in graphitic tuff, 2% Py	1275	2.0	.005		
322.5-325.5	Highly graphitic tuff, 10% Q.C., 2% Py	1276	3.0	.055		
325.5-328.5	Graphitic tuff, banded along core, minor Q.C., minor Py	1277	3.0	.02		
328.5-330.5	Highly graphitic with a 3" Q.C. vein, 5% coarse Py	1278	2.0	.005		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

	DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUE	
Geo.	323.5-346.0	Highly graphitic tuff with continuous bands of pyrite that run along the core. The pyrite ranges from 5-10% of core, The bedding follows the core.					
	330.5-334.0	Graphitic tuff, 5% Q.C., 2% Py	1279	3.5	TR.		
	334.0-338.0	Graphitic tuff, minor Q.C., 2% Py	1280	4.0	.005		
	338.0-343.0	Banded pyritic-graphitic tuff, 10% Py in bands , minor Q.C.	1281	5.0	TR.		
	343.0-348.0	Banded pyritic-graphitic tuff, 5% Py in bands, 5% Q.C.	1282	5.0	TR.		
Geo.	366.5-(400.0)	Tuff, dark greenish andesitic with streaks of graphite along the core the bedding closely follows the core. Q.C. and Py mineralization is relatively rare.					
	400.0-(423.0)	Dacitic tuff finely bedded along the core with some minor graphitic bands some slight talc chlorite alteration. This hole may be following tuff near the talc peridatate contact.					
	366.5-371.0	Tuff, minor Q.C., minor Py	1380	4.5	Tr		
	371.0-375.5	Tuff, minor Q.C. minor Py, graphitic	1381A	4.5	Tr		
	375.5-380.0	Tuff, minor Q.C., minor Py. graphitic	1381B	4.5	Tr		
	380.0-384.5	Tuff, minor Q.C., minor Py, graphitic	1382	4.5	.005		
	384.5-389.0	Tuff, 5% Q.C., minor Py, graphitic	1383	4.5	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 8 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUE		
389.0-394.0	Dacite tuff, minor Q.C., minor Py, graphitic	1384	5.0	Tr		
394.0-399.0	Tuff, 5% Q.C., minor Py. Graphitic	1385	5.0	Tr		
399.0-404.0	Tuff, 5% Q.C. minor Py, graphitic	1386	5.0	Tr		
404.0-409.0	Tuff, minor Q.C., minor Py	1387	5.0	Tr		
409.0-413.5	Tuff, minor Q.C., minor Py, some graphite	1388	4.5	Tr		
413.5-418.0	Tuff, minor Q.C., minor Py, some graphite	1389	4.5	~~Tr~~	.002	
418.0-422.5	Tuff, minor Q.C., minor Py, some graphite	1390	4.5	.002	Tr	
422.5-426.5	Andesitic tuff, minor Q.C., minor Py. strong fissile along					
	the banding and core	1411	4.0	Tr		
426.5-430.0	Andesitic tuff, 5% Q.C., minor Py	1412	3.5	Tr		
430.0-434.0	Andesitic tuff, highly highly fissile and banded along					
	the core, minor Q.C., minor Py.	1413	4.0	Tr		
434.0-437.0	Partly graphitic andesitic tuff, 5% Q.C., minor Py	1414	3.0	Tr		
437.0-438.5	Graphitic tuff, 30% Q.C., minor Py.	1415	1.5	.005		
438.5-441.5	Graphitic andesitic tuff, minor Q.C., minor Py.	1416	3.0	Tr		
Geo. 422.5-437.0	Dark greenish, highly fissile, andesitic tuff with its					
	banding along the core and some minor graphitic bands					
	along the core.					
437.0-465.5	Andesitic tuff, graphitic in part, greenish to greyish the					
	bedding is largely along the core but in portions from					

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	452.0-456.0 and at 462.0-465.0 the bedding cuts across the					
	core at 20° to 30°. At such locations the tuff is more					
	graphitic.					
465.5-469.0	Glassy Qtz. vein, partly vuggy, 3% Py., some grains					
	of Chalco Py., contacts at 60° to core.					
469.0-486.7	Highly graphitic tuff, partly vuggy with some Qtz. and coarse					
	Py. running along the core.					
486.7-490.0	80% Q.C. vein with 3% coarse Py.					
441.5-442.5	Q.C. vein, vuggy minor Py.	1417	1.0	Tr		
442.5-446.5	Partly graphitic andesitic tuff, minor Q.C., ½% Py	1418	4.0	Tr		
446.5-450.5	Partly graphitic andesitic tuff, banded along the core.					
	minor Q.C., minor Py.	1419	4.0	Tr		
450.5-454.5	Graphitic andesitic tuff, minor Q.C., 1% Py bedding at					
	30° to core.	1420	4.0	Tr		
454.5-458.5	Partly graphitic, andesitic tuff, 5% Q.C., ½% Py	1421	4.0	Tr		
458.5-461.0	Partly graphitic andesitic tuff, minor Q.C., minor Py.	1422	2.5	Tr		
461.0-462.5	Graphitic tuff, 20% Q.C., ½% Py. banding along core.	1423	1.5	Tr		
462.5-465.5	Graphitic tuff, banded at 20° to 30° to core, 5% Q.C.,					
	½% Py.	1424	3.0	Tr		
465.5-467.3	Glassy Qtz. vein with contact at 60° to core, some vuggy					
	PY in vein near its contact. 2% Py. some grains Chalco Py.	1425	1.8	Tr		

DRILLED BY ______ SIGNED ______

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
467.3-469.1	Glassy Qtz. vein contact at 45° to core, ½% Py	1426	1.8	.005		
469.1-471.0	Graphitic tuff, with Qtz. and Py. banding at 20° to core					
	10% Q.C., 4% Py	1427	1.9	Tr		
471.0-472.8	Graphitic tuff, minor Q.C., 7% Py in bands at 5° to 10°					
	to core	1428	1.8	.005		
472.8-474.8	Highly graphitic tuff, contorted 20% Q.C., 7% Py.	1429	2.0	.005		
474.8-476.6	Highly graphitic tuff, 20% Q.C., 5% Py	1430	1.8	.005		
476.6-477.9	Highly graphitic tuff, 50% Q.C., 5% Py	1431	1.3	.005		
477.9-480.0	Highly graphitic tuff, minor Q.C., 5% Py. in bands	1432	2.1	.005		
480.0-482.2	Highly graphitic tuff, 20% Q.C., 7% Py.	1433	2.2	.005		
482.2-486.7	Highly graphitic tuff, 5% Q.C., ½% Py.	1434	4.5	Tr		
486.7-488.1	Q.C. vein runs at 70° to core, 4% coarse Py.	1435	1.4	Tr		
488.1-490.0	80% Q.C. vein in graphitic tuff, 2% Py.	1436	1.9	.06		

DRILLED BY ______ SIGNED ______

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11 Continued

SHEET NUMBER	1	SECTION FROM	TO	STARTED	Aug 20/81
LATITUDE		DATUM		COMPLETED	
DEPARTURE		BEARING		ULTIMATE DEPTH	
ELEVATION		DIP		PROPOSED DEPTH	

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
Note:						
	Drill hole 81-11 was stopped at 490' by Northway Drilling in July/81. Norex drilling reset on the hole, their measurements indicate the hole was 477' deep.					
477.0 - 511.5	Dacitic to Andesitic tuff, finely banded at 0° - 15° to the core. Dk. Greyish to black, graphitic in part, some sections are highly graphitic near Qtz. veinlets.		2.0			
477.0 - 479.0	Graphitic Tuff. 30% Qtz. Carb. breccia 2% Py.	1437	2.0	.005		
479.0 - 481.5	Graphitic Tuff. minor Q.C. ½% Py.	1438	2.5	.01		
481.5 - 484.5	Graphitic Tuff. 7% Q.C. in stringers ½% Py.	1439	3.0	Tr		
484.5 - 487.5	Graphitic Tuff. 5% Q.C. ½% Py.	1440	3.0	.01		
487.5 - 490.5	Slightly graphitic Tuff. 5% Q.C stringers ½% Py.	1441	3.0	Tr		

DRILLED BY ________ SIGNED ________ 81-11

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 2 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
490.5 - 491.8	Slightly graphitic Tuff. 10% irreg. Q.C. ½% PY.	1442	1.3	Tr		
491.8 - 495.3	Slightly graphitic Tuff. 3% irreg. Q.C. minor PY.	1443	3.5	Tr		
495.3 - 498.1	Slightly graphitic Tuff. banded at 10° to core. minor Q.C. minor PY.	1444	2.8	Tr		
498.1 - 499.2	80% Qtz. Carb. vein, with some graphitic Tuff. breccia fragments 3% py. looks good.	1445	1.1	.523	.52	
499.2 - 500.2	80% Qtz. Carb. with included graphitic Tuff breccia fragments. The Qtz. Carb. is largely Qtz. A patch of fine specks of V.G. occurs at 499.8	1446	1.0	.48	.46	.47
500.2 - 504.2	Graphitic Tuff. minor Q.C. minor PY.	1447	4.0	Tr		
504.2 - 508.2	Graphitic Tuff 30% Q.C. 1% PY.	1448	4.0	Tr		
508.2 - 511.0	Graphitic Tuff 25% Q.C. that runs along the core 4% coarse PY.	1449	2.8	.02		
511.0 - 514.0	Graphitic Tuff. Banding at 10° to core minor Q.C. 1% PY.	1450	3.0	Tr		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
511.5 - 541.0	Dacitic Tuff, banded, lt greenish grey. Graphite is relatively rare. There is a pseudo med grained texture along the bedding caused by alteration.					
514.0 - 516.4	Tuff, 10% irreg. Qtz. Carb. 1% PY.	1451	2.4	Tr		
516.4 - 521.0	Tuff, 3% Q.C minor PY.	1452	4.6	Tr		
521.0 - 524.4	Tuff, 3% Q.C stringers, minor PY.	1453	3.4	Tr		
524.4 - 527.6	Tuff. minor Q.C. minor PY.	1454	3.2	Tr		
527.6 - 528.5	Qtz. Carb vein that runs at 60° to the core and carries 2% PY.	1455	.9	Tr		
528.5 - 531.0	Tuff. minor Q.C. minor PY.	1456	2.5	Tr		
531.0 - 534.0	Tuff, minor Q.C. minor PY.	1457	3.0	Tr		
534.0 - 538.0	Tuff minor Q.C minor PY.	1458	4.0	.005		
538.0 - 541.0	Tuff. minor Q.C minor PY.	1459	3.0	Tr		
541.0 - 575.1	Greyish graphitic Tuff. finely banded at 0-5° to core with some Qtz Carb veinlets + stringers, largely along the core.					

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
541.0 - 543.2	Slightly graphitic Tuff. 5% Qtz Carb minor PY.	1460	2.2	.005		
543.2 - 546.0	Slightly graphitic Tuff. minor Qtz Carb. 1% PY.	1461	2.8	Tr		
546.0 - 548.2	Graphitic Tuff minor Q.C. minor PY.	1462	2.2	.005		
548.2 - 550.3	Graphitic Tuff. 40% Q.C. in part, it runs across the core. 7% PY.	1463	2.1	.045		
550.3 - 552.1	Graphitic Tuff minor Q.C. 1% PY.	1464	1.8	Tr		
552.1 - 556.0	Slightly graphitic Tuff minor QC. 3% PY.	1465	3.9	.005		
556.0 - 560.0	Graphitic Tuff 3% Q.C. 1% PY.	1466	4.0	Tr		
		~~1467~~				
560.0 - 563.0	Graphitic Tuff minor QC minor PY.	1467	3.0	Tr		
563.0 - 566.0	Graphitic Tuff minor QC minor PY.	1468	3.0	Tr		
566.0 - 568.6	Graphitic Tuff 30% ving. Q.C. 1% PY.	1469	2.6	Tr		
568.6 - 570.0	Graphitic Tuff minor QC minor PY	1470	1.4	Tr		
570.0 - 571.1	Graphitic Tuff. A 1" Qtz Carb vein at 70° to core carries 3% PY.	1471	1.1	.01		
571.1 - 575.1	Graphitic Tuff. banding at 0°-5° to core. 1% PY. minor Q.C.	1472	4.0	Tr		

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
575.1-602.0	A Qtz carb vein zone structure in brecciated graphitic tuff. 1-5% mineralization throughout. The zone structure consists of an average of 70% Q.C. with Carb. being the dominate mineral. The Qtz. carb. is essentially a filling in a stockwork breccia but most of the vein contacts run at 50-60° to the core.					
575.1-576.9	Qtz. carb vein contact at 55° to core. 1% PY.	1473	1.8	Tr		
576.9-578.1	60% Q.C stockwork in brecciated graphitic tuff 5% coarse PY.	1474	1.2	.01		
578.1-579.9	75% Q.C. stockwork in graphitic tuff breccia. 3% PY.	1475	1.8	.005		
579.9-582.2	80% Q.C vein stockwork slightly vuggy 3% PY.	1476	2.3	.005		
582.2-584.2	10% Q.C. stockwork in vuggy graphitic tuff 3% PY.	1477	2.0	Tr		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUES	
584.2 - 586.0	80% Q.C vein stockwork 5% coarse	1478	1.8	Tr		
	a Trace of chalcopy. Py.					
586.0 587.6	Graphitic Tuff. 10% Q.C. 1% Py.	1479	1.6	Tr		
587.6 - 589.5	90% Q.C vein stockwork. 3% Py.	1480	1.9	Tr		
589.5 590.7	Graphitic Tuff. 30% Q.C vein	1481	1.2	.005		
	stockwork 1% Py.					
590.7 - 592.2	80% Q.C. vein stockwork. 5% Py.	1482	1.5	.005		
	some in massive streaks and					
	a 1" crystal of Py. Totally altered					
	to hematite. Slightly vuggy.					
592.2 - 593.9	70% Q.C. vein stockwork, with	1483	1.7	Tr		
	Graphitic Tuff fragments, 2% Py.					
593.9 - 595.8	80% Q.C. vein stockwork 2% Py.	1484	1.7	Tr		
	some green Carb alt'n					
595.8 - 597.8	80% Q.C stockwork, 5% coarse Py.	1485	2.0	.005		
597.8 - 599.6	Graphitic Tuff 40% Q.C vein	1486	1.8	Tr		
	3% Py.					
		1487	1.6	Tr		
599.6 - 601.2	Graphitic Tuff 40% Q.C vein stockwork					
	slightly vuggy 1% Py.					
601.2 - 602.7	70% Q.C. vein stockwork, 2% Py.	1488	1.5	Tr		

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
602.0 - 666.0	Partly graphitic Tuff finely banded at 0°-10° to Core. A few Qtz. Carb. veinlets + stringers ½% to 3% Py.					
602.7 - 604.2	Graphitic Tuff. minor Q.C. minor Py.	1489	1.5	Tr		
604.2 - 605.0	Graphitic Tuff 30% Q.C. in Stringers 3% Py.	1490	.8	Tr		
605.0 - 607.2	Graphitic Tuff. minor Q.C minor Py.	1491	2.2	Tr		
607.2 - 609.5	Graphitic Tuff. 3% Q.C. 3% Py.	1492	2.3	.045		
609.5 - 613.0	Slightly graphitic tuff banded along the core. minor Q.C 3% Py.	1493	3.5	.005		
613.0 - 615.3	Graphitic Tuff minor Q.C 3% Py.	1494	2.3	.005		
615.3 - 616.2	30% Qtz Carb. 1% Py.	1495	.9	.025		
616.2 - 617.4	Slightly graphitic Tuff minor Q.C 3% Py	1496	1.2	.005		
617.4 - 618.7	Graphitic Tuff. 40% Q.C. running along the core. 3% Py.	1497	1.3	.005		
618.7 - 620.8	Graphitic Tuff. minor Q.C minor Py.	1498	2.1	.005		
620.8 - 622.3	Graphitic Tuff 30% Q.C. veins 3% Py.	1499	1.5	.005		
622.3 - 625.0	Graphitic Tuff. 3% Q.C. ½% Py.	1500	2.7	.005		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
626.0 - 628.0	Graphitic Tuff minor Q.C minor PY.	1501	2.0	.005		
628.0 - 629.5	Graphitic Tuff. 5% Q.C. 3% PY.	1502	1.5	.005		
629.5 - 631.0	Graphitic Tuff. 30% Q.C. vein stockwork 2% PY.	1503	1.5	.005		
631.0 - 632.9	Graphitic Tuff. 40% Q.C. vein Stockwork. 3% PY.	1504	1.9	.005		
632.9 - 634.2	80% Q.C. vein stockwork 5% PY.	1505	1.3	.005		
634.2 - 637.5	strongly graphitic Tuff. banding at 10°-20° to core. minor Q.C. 3% PY	1506	3.3	.005		
637.5 - 640.3	Graphitic Tuff. 5% Q.C. 2% PY.	1507	2.8	.005		
640.3 - 643.0	Graphitic Tuff minor Q.C. 1% PY.	1508	2.7	Tr		
643.0 - 646.0	Graphitic Tuff 15% Q.C running along the core. ½% PY.	1509	3.0	Tr		
646.0 - 650.7	Slightly graphitic Tuff. 3% Q.C 2% PY	1510	4.7	Tr		
650.7 - 653.0	Slightly graphitic Tuff 10% Q.C ½% PY	1511	2.3	Tr		
653.0 - 655.7	Slightly graphitic Tuff 15% running Q.C along the core. 1% PY.	1512	2.7	Tr		
655.7 - 660.5	Slightly graphitic Tuff. 5% Q.C 1% PY.	1513	4.8	Tr		
660.5 - 665.0	Dacitic to andesitic Tuff 5% Q.C in stringers. minor PY.	1514	4.5	Tr		

DRILLED BY ____ SIGNED ____

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 9 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
660.0 – 667.0	Dacitic to Andesitic Tuff. lt greenish grey, bedded along the core, minor Qtz Carb, minor Py.					
667.0 – 685.5	Finely banded, black graphitic sed. Tuff band with bands of Py. interlayered with graphitic Tuff. some vuggy sections.					
665.0 – 666.3	Dacite Tuff. 30% Qtz carb along the core, minor Py.	1515	1.3	Tr		
666.3 – 669.5	Partly graphitic Tuff. minor Q C. minor Py.	1516	3.2	Tr		
669.5 – 671.7	Banded Py with Tuff. 10% Py. minor Q C.	1517	2.2	Tr		
671.7 – 676.0	Banded pyritic Tuff 15% Py along bands. slightly vuggy minor Q C.	1518	4.3	Tr		
		1519	1.2	Tr		
676.0 – 677.2	Dacitic Tuff. 60% Q C. minor Py. some pink Carbonate.					
677.2 – 680.0	Dacitic Tuff. minor Q.C. ½% Py.	1520	2.8	Tr		

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 51-11

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUES	
680.0-684.0	Banded pyritic-graphitic Tuff. 10% Qtz Carb. 7% PY. in bands along the core.	1521	4.0	.005		
684.0-685.5	Banded pyritic-graphitic Tuff. py. in bands carry 10% PY.	1522	1.5	.005		
685.5-688.8	Dacitic Tuff. finely banded along the core. minor Q.C minor PY.	1523	3.3	Tr		
688.8-693.6	Dacitic Tuff minor Q.C minor PY.	1524	4.8	Tr		
693.6-698.4	Dacitic Tuff minor Q.C minor PY.	1525	4.8	Tr		
698.4-703.0	Dacitic Tuff minor Q.C minor PY.	1526	4.6	Tr		
685.5-961.0	Dacitic Tuff. lt. greenish. finely banded along the core. somewhat massive in appearance. Qtz. Carb. & PY mineralization are relatively rare					
703.0-707.9	Dacitic Tuff 5% Qtz carb. minor PY.	1527	4.9	Tr		
707.9-712.8	Dacitic Tuff 3% Q.C. Alt'n minor PY.	1528	4.9	Tr		
712.8-717.6	Dacitic Tuff 3% Q.C. minor PY.	1529	4.8	Tr		
717.6-722.5	Dacitic Tuff minor Q.C minor PY.	1530	4.9	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-11

SHEET NUMBER 11 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
722.5 - ~~727.8~~ 727.3	Dacitic Tuff 3% Qtz. Carb. minor PY.	1531	4.8	.01		
727.3 - 732.1	Dacitic Tuff 3% Q.C. minor PY.	1532	4.8	Tr		
732.1 - 737.0	Dacitic Tuff minor Q.C. minor PY.	1533	4.9	Tr		
737.0 - 742.0	Dacitic Tuff minor Q.C. minor PY.	1534	5.0	Tr		
742.0 - 746.8	Dacitic Tuff minor Q.C. minor PY.	1535	4.8	Tr		
746.8 - 751.6	Dacitic Tuff minor Q.C. minor PY.	1536	4.8	Tr		
751.6 - 755.0	Dacitic Tuff 3% Q.C. minor PY.	1537	3.4	.005		
755.0 - 759.8	Dacitic Tuff minor Q.C. minor PY.	1538	4.8	.005		
759.8 - 760.6	Dacitic Tuff with a 6" Qtz vein that	1539	.8	0.105		
	runs at 50° to the core, & carries					
	1% PY & traces of PO.					
760.6 - 763.0	Dacitic Tuff 5% Qtz. Carb. 2% PY.	1540	2.4	.05		
763.0 - 766.7	Dacitic to Andesitic Tuff minor Q.C.	1541	3.7	.005		
	minor PY					
766.7 - 771.6	Dacitic to Andesitic Tuff minor Q.C.	1542	4.9	Tr		
	minor PY					
[illegible]	Dacitic to Andesitic Tuff minor Q.C.	1543	5.4	Tr		
	minor PY.					
[illegible]	Dacitic to Andesitic Tuff 5% Q.C. 1/2%	1544	[illegible]	Tr		
	PY.					
[illegible] - 786.6	Dacitic to Andesitic Tuff minor Q.C. minor	1545	4.6	Tr		
	PY.					

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
786.6-791.4	Dacitic to andesitic Tuff minor Q.C. minor PY.	1546	4.8	Tr		
791.4-796.3	Dacitic to andesitic Tuff minor Q.C. minor PY. bedding along the core.	1547	4.9	Tr		
796.3-801.0	Dacitic to andesitic Tuff minor Q.C. minor PY bedded along the core.	1548	4.7	Tr		
801.0-804.6	Dacitic to andesitic Tuff 5% Q.C. minor PY.	1549	3.6	Tr		
804.6-807.0	Dacitic to andesitic Tuff bedded along the core 10% irreg. Q.C. veinlets 1% PY minor PO.	1550	2.4	Tr		
807.0-810.7	Dacitic to andesitic Tuff minor Q.C. minor PY.	1551	3.7	Tr		
810.7-811.8	Tuff 60% Qtz Carb partly along the core 3% PY.	1552	1.1	Tr		
811.8-815.8	Dacitic to andesitic Tuff 5% Calcite [illegible] fractures at 70° to core minor PY.	1553	4.0	Tr		
815.8-820.5	Andesitic to dacitic Tuff finely banded along the core 5% Calcite in sharp walled cross fractures at 60°-70° to core.	1554	4.7	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 13 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
820.5-824.9	Andesite dacite Tuff minor QC minor PY.	1555	4.4	Tr		
824.9-825.7	Tuff. 20% Qtz-calcite in stringers and cross fractures at 70° to core.	1556	.6	Tr		
825.7-830.2	Andesite-dacite Tuff. minor Q.C minor PY.	1557	4.5	Tr		
830.2-835.0	Dacite-andesite Tuff minor Q.C. minor PY.	1558	4.8	Tr		
835.0-838.7	Dacite-andesite Tuff. minor QC minor PY	1559	3.7	Tr		
838.7-839.8	Andesite-dacite Tuff. a 2" Qtz-calcite cross fracture at 70° to core, minor PY.	1560	1.1	Tr		
839.8-844.7	Dacite andesite Tuff faintly banded along core. minor Q.C minor PY.	1561	4.9	Tr		
844.7-848.0	Dacite andesite Tuff minor QC minor PY	1562	3.3	Tr		
848.0-850.7	Dacite-andesite Tuff 5% Qtz carb. 1% PY ½% PO.	1563	2.7	Tr		
850.7-854.4	Dacite-andesite Tuff minor Q.C minor PY.	1564	3.7	Tr		
854.4-859.0	Dacite andesite Tuff minor QC minor PY.	1565	4.6	Tr		
859.0-863.8	Dacite andesite Tuff minor QC minor PY.	1566	4.8	Tr		
863.8-868.7	Dacite andesite Tuff minor Q.C ½% PY.	1567	4.9	Tr		
868.7-873.5	Dacite andesite Tuff minor QC minor PY.	1568	4.8	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 14 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
873.5 878.2	Dacite-andesite Tuff minor Q.C minor PY.	1569	4.7	Tr		
878.2-882.8	Dacite-andesite Tuff. fairly banded along the core minor QC 1% PY.	1570	4.6	Tr		
882.8-887.7	Dacite-andesite Tuff. minor QC. minor PY.	1571	4.9	Tr		
887.7-892.6	Dacite-andesite Tuff minor QC minor PY.	1572	4.9	.005		
892.6-897.4	Dacite-andesite Tuff - minor QC minor PY.	1573	4.8	Tr		
897.4-901.0	Dacite-andesite Tuff - fairly banded along core. minor QC minor PY.	1574	3.6	Tr		
901.0-902.5	Dacite-andesite Tuff 7% Qtz Carb. along the bedding & along core ½% PY.	1575	1.5	Tr		
902.5-906.0	Dacite-andesite Tuff 5% Qtz Carb. along core. minor PY.	1576	3.5	Tr		
906.0-909.5	Dacite-andesite Tuff minor QC - minor PY.	1577	3.5	Tr		
909.5-911.5	Dacite-andesite Tuff 10% Qtz across fractures, minor PY.	1578	2.0	.005		
		1579	1.2	.07		
911.5-912.7	Dacite andesite Tuff 10% Qtz carb 3% PY.					
912.7-914.3	Qtz Carb. vein at 30° to core 5% [illegible] PY.	1580	1.6	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 15 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
915.3 - 916.0	Dacite-andesite Tuff 5% Q.C. 1% PY.	1581	1.7	.005		
916.0 917.2	A Chlorite grey Qtz vein. 3% coarse PY. Qtz vein across the core at 40°	1582	1.2	.02		
917.2 - 919.1	Dacitic Tuff with an agglomerate texture that may be due to a shear breccia along the core.	1583	1.9	.02		
919.1 - 920.6	Tuff & 1" grey Qtz carb vein runs at 50° to core. minor PY	1584	1.5	.005		
920.6 - 925.6	Dacite-andesite Tuff. minor Q.C. ½% PY	1585	5.0	.01		
		1586	2.5	.085		
925.6 - 928.1	Dacite-andesite Tuff. 10% Q.C. in stringers at 50° to core, 1% PY.					
928.1 - 931.0	Dacite-andesite Tuff 10% Qtz carb. in stringers 1% PY 1% PO.	1587	2.9	.01		
931.0 - 932.8	Dacite-andesite Tuff minor Q.C. 2% PY	1588	1.8	.005		
932.8 - 934.2	A glassy Qtz vein with contacts at 50° to core. 7% coarse PY.	1589	1.4	.01		
934.2 - 935.7	Andesitic Tuff 40% Qtz vein at 80° to core, 3% PY. traces of Chalco PY. and possibly one fine speck of V.G. at 934.8	1590	1.5	.01	.02	

along the edge of a 5" vein that was at 80° to core.

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 16 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
935.7 - 938.7	Andesitic Tuff minor Q.C. ½ % PY.	1591	3.0	.005		
938.7 - 939.7	Qtz carb vein at 35° to core. 3% PY. 1% PO.	1592	1.0	.035		
939.7 - 941.5	Andesitic Tuff 10% Qtz in a veinlet ½ % PY ½ % PO.	1593	1.8	.03		
941.5 - 945.1	Andesitic Tuff. 3% Qtz. carb ½ % PY.	1594	3.6	.005		
945.1 - 950.0	Dacitic - andesitic Tuff 3% Q.C. minor graphite ½ % PY bedded along the core.	1595	4.9	.005		
950.0 - 953.5	Andesitic Tuff minor Q.C ½ % PY.	1596	3.5	.01		
953.5 - 954.8	Andesitic Tuff 8" ring Qtz vein runs along core, carries 1% PY.	1597	1.3	.08		
954.8 - 958.0	Dacitic Tuff, minor Q.C 1% PY - bedding along the core.	1598	3.2	.005		
958.0 - 960.0	Dacitic Tuff bedded along the core, 3% Q.C. 1% PY.	1599	2.0	.005		
960.0 - 961.0	Dacitic Tuff. 20% Qtz vein. 7% coarse PY.	1600	1.0	TR		
961.0 - 966.0	Qtz vein with contacts at 45° to core. 15% included graphitic Tuff. breccia fragments 3% coarse PY. minor vuggy cavities near PY.					

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DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 17 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
966.0 - 997.0	Dacitic Tuff with occasional Qtz. veinlets, 1" - 7" wide that cut across the core at 40°-60°. Traces of chalco Py. in the Qtz.					
997.0 - 1031.5	Andesitic Tuff. Dk. greenish, relatively barren. Finely banded at 0°-10° to the core.					
1031.5 - 1038.5	Qtz. vein stockwork structure about 50% Qtz Carb. with fragments of Tuff. to Slightly porphyritic Tuff.					
1038.5 - 1074.4	Andesitic Tuff. Dk. greenish, relatively barren.					
1074.4 - 1119.0	Slightly porphyritic Andesitic Tuff with 5-15% Qtz Carb in stringers 1-5% Py. Traces of arseno Py. Tell specks of VG at 1088.4 in a Qtz veinlet. Bedding is variable from 0°-15° to core.					

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SHEET NUMBER 18 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
9610 - 9625	Qtz vein, 20% graphitic Tuff. 5% Coarse Py. trace Chalco Py.	1601	1.5	.005		
9625 - 9640	Qtz. vein, 10% graphitic Tuff fragments 5% Coarse Py. Trace of Chalco.	1602	1.5	Tr		
9640 - 9658	Qtz. vein, 15% graphitic Tuff fragments, 4% Coarse Py. Traces of Chalco Py.	1603	1.8	Tr		
9658 - 9694	graphitic - dacitic Tuff. minor Qtz Carb. 1% Py.	1604	3.6	Tr		
9694 - 9719	Dacitic Tuff slightly graphitic ½% Py.	1605	2.5	.01		
9719 - 9744	Dacitic Tuff. 15% Qtz Carb. 5% Coarse Py.	1606	2.5	.005		
9744 - 9777	Dacitic Tuff. 5% Qtz 2% Py.	1607	3.3	.005		
9777 - 9803	Dacitic Tuff 10% Qtz. 1% Py.	1608	2.6	.02		
9803 - 9817	Dacitic Tuff. Three 1" Qtz veins at 60° To core. 2% Py.	1609	1.4	.02		
9817 - 9832	Dacitic Tuff. 15% Qtz in veinlets 2% Py.	1610	1.5	.01		
9832 - 9850	Dacitic Tuff. A 1" Qtz veinlet at 45° To core, 2% Py.	1611	1.8	.10		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 19 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
985.0 - 988.5	Dacitic Tuff minor Q.C. 1% PY.	1612	3.5	.02		
988.5 - 991.5	Dacitic Tuff. minor QC 2% PY.	1613	3.0	.01		
991.5 - 993.4	Dacitic Tuff. 5% Q.C. 3% PY.	1614	1.9	.10		
993.4 - 995.4	Dacitic Tuff minor QC 3% PY.	1615	2.0	.025		
995.4 - 997.0	Dacitic Tuff. A 3" Qtz. vein at 70°	1616	1.6	.01		
	to core, carries 2% PY. minor PO.					
	and a Trace of Chalco.					
997.0 - 1001.0	Andesitic Tuff. minor Q.C. minor PY.	1617	4.0	Tr		
1001.0 1004.6	Andesitic Tuff. 10% Qtz-sericite	1618	3.6	Tr		
	along the core, minor PY.					
1004.6 - 1007.0	Andesitic Tuff. 10% Qtz sericite, vein	1619	2.4	Tr		
	along the core, minor PY.					
1007.0 - 1009.8	Andesitic Tuff. 5% Qtz sericite, minor PY.	1620	2.8	Tr		
1009.8 - 1013.0	Andesitic Tuff 10% Qtz sericite, along	1621	3.2	Tr		
	the core, minor PY.					
1013.0 - 1017.6	Andesitic Tuff minor Q.C ½% PY.	1622	4.6	Tr		
1017.6 - 1022.5	Andesitic Tuff minor QC minor PY.	1623	1.9	Tr		
1022.5 - 1026.5	Andesitic Tuff. minor Q.C minor PY.	1624	4.0	Tr		
1026.5 - 1028.1	Andesitic Tuff. 10% Qtz Carb. breccia	1625	1.6	.005		
	along the core, 3% PY.					
1028.1 - 1031.5	Andesitic Tuff minor Q.C minor PY.	1626	3.4	.005		

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PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 20 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1031.5 - 1034.0	Andesitic Tuff. 20% Qtz carb. stringers at random orientations, 2% PY.	1627	2.5	Tr		
1034.0 - 1036.0	Qtz vein stockwork, 20% Andesitic Tuff fragments. 2% PY.	1628	2.0	Tr		
1036.0 - 1037.1	Andesite, 20% Qtz vein stockwork 1% PY.	1629	1.1	Tr		
1037.1 - 1038.7	80% Qtz vein stockwork, with Andesitic Tuff fragments 2% PY.	1630	1.6	Tr		
1038.7 - 1040.2	Andesitic Tuff with 30% Qtz vein stockwork, 7% coarse PY.	1631	1.5	Tr		
1040.2 - 1041.6	60% Qtz vein stockwork in andesitic Tuff. 3% PY.	1632	1.4	Tr		
1041.6 - 1043.4	100% Qtz vein stockwork. 1% PY	1633	1.8	Tr		
1043.4 - 1045.3	Andesitic Tuff with 30% Qtz vein stockwork 1% PY.	1634	1.9	Tr.		
1045.3 - 1047.0	Andesitic Tuff. 10% Qtz carb veins 1% PY.	1635	1.7	.005		
1047.0 - 1048.6	Andesitic Tuff. 10% QC ½% PY.	1636	1.6	.005		
1048.6 - 1050.4	Andesitic Tuff minor QC minor PY.	1637	1.8	.01		
1050.4 - 1051.3	Andesitic Tuff 10% Qtz carb in veinlets minor graphite. 3% PY.	1638	.9	.005		

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PROPERTY — TULLY TWP. **HOLE NO.** 81-11

SHEET NUMBER 21 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1051.3 - 1053.0	50% Qtz carb vein in Tuff. The vein maybe running along the core, 5% coarse Py.	1639	1.7	.005		
1053.0 - 1057.6	Andesitic Tuff minor QC 1% Py.	1640	4.6	~~.005~~ .01		
1057.6 - 1058.3	Andesitic Tuff a 3" Qtz vein at 45° to core, carries 7% coarse Py.	1641	.7	Tr.		
1058.3 - 1060.2	Andesitic Tuff. banded at 10°-20° to core minor QC 2% Py.	1642	1.9	.025		
1060.2 - 1062.2	Qtz vein stockwork 20% Andesitic Tuff fragments, 7% coarse Py.	1643	2.0	.11		
1062.2 - 1063.3	Andesitic Tuff minor QC minor Py.	1644	1.1	.01		
1063.3 - 1064.4	Andesitic Tuff. 40% Qtz along the core 3% Py.	1645	1.1	Tr.		
1064.4 - 1066.1	Andesitic Tuff. 10% QC 1% Py.	1646	1.7	.01		
1066.1 - 1068.0	Andesitic Tuff, 30% QC 3% Py.	1647	1.9	.03		
1068.0 - 1071.0	Andesitic Tuff minor QC 1% Py	1648	3.0	.01		
1071.0 - 1072.7	Andesitic Tuff 5% Qtz sericite that carries some vuggy calcite grains or Py.	1649	1.7			
1072.7 - 1074.4	Andesitic Tuff 10% calcitic fractures 1% Py.	1650	1.7			

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PROPERTY – TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 22 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1074.1-1075.5	Andesitic Tuff 20% Qtz Carb 3% PY. minor graphite	1651	1.1	.005		
1075.5-1079.6	Andesitic Tuff slightly graphitic minor Q.C., minor PY.	1652	4.1	.015		
1079.6-1080.8	Andesitic Tuff slightly graphitic. 5% vuggy Q.C. 3% PY.	1653	1.2	.075		
1080.8-1083.8	Andesitic Tuff bedded along the core, minor QC minor py.	1654	3.0	.005		
1083.8-1087.7	Andesitic Tuff slightly graphitic bedding varies from 5°-20° to core, 10% vuggy Q.C. 3% PY.	1655	3.9	.185		
1087.7-1088.7	Slightly graphitic andesitic Tuff a 2" Qtz Carb vein runs at 30° to core & it carries two patches of fine **V.G** at 1088.4' 5% coarse PY. 1% arseno PY.	1656	1.0	.105	.105	
1088.7-1089.7	Andesitic Tuff slightly graphitic, banded at 10° to core, 1% PY. 1% arseno PY.	1657	1.0	.19		
1089.7-[illegible]	Slightly graphitic andesitic Tuff 1% PY 1% arseno PY. bedded along the core.	1658	[illegible]	.02		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 23 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1092.7 - 1097.0	Slightly graphitic, andesitic tuff 10% Qtz carb in irregular veinlets 2% PY.	1659	4.3	.02		
1097.0 - 1099.8	Slightly graphitic, andesitic tuff. 20% Q.C. in veinlets, 3% PY.	1660	2.8	.005		
1099.8 - 1103.0	Slightly graphitic, andesitic tuff. minor QC 2% PY.	1661	3.2	.02		
1103.0 - 1105.8	Slightly graphitic, andesitic tuff. minor Q.C. 2% PY.	1662	2.8	.005		
1105.8 - 1109.0	Slightly graphitic, andesitic tuff minor Q.C., 1% PY.	1663	3.2	.015		
1109.0 - 1110.7	Slightly graphitic andesitic tuff minor Q.C., 1% PY.	1664	1.7	.005		
1110.7 1112.2	Slightly graphitic andesitic tuff 10% Qtz in veinlets at 60° to core 1% PY.	1665	1.5	.01		
1112.2 - 1115.4	Andesitic tuff, minor Q.C. ½% PY.	1666	3.2	.07		
1115.4 - 1117.0	Slightly graphitic, andesitic tuff with a 2" Qtz carb vein at 30° to the core. 3% coarse PY. Slightly rouggy.	1667	1.6	.01		
1117.0 - 1119.7	Slightly graphitic andesitic tuff 5% Qtz. carb in stringers 2% PY.	1668	2.7	.005		

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PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 24 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1119.7 – 1122.7	Andesite Tuff, some contorted bedding 5% Q.C minor PY.	1669	3.0	.015		
1119.0 – 1152.0	Dk greenish andesitic Tuff, finely banded at 0°-15° to the core.					
1152.0 –	Dk greyish clastic to andesitic tuff. Slightly graphitic with some QC. & pyritic mineralization.					
1122.7 – 1125.5	Andesitic Tuff, minor QC ½% PY.	1670	2.8	.005		
1125.5 – 1128.3	Andesitic Tuff Dk greenish, minor QC. minor PY.	1671	2.8	Tr		
1128.3 – 1133.2	Dk green andesitic Tuff minor QC minor PY	1672	4.9	Tr		
1133.0 – 1138.0	Dk green andesitic Tuff minor QC minor PY	1673	5.0	Tr		
1138.0 – 1143.0	Dk green andesitic Tuff minor QC minor PY	1674	5.0	Tr		
1143.0 – 1147.8	Dk green andesitic tuff minor QC minor PY.	1675	4.8	Tr		
1147.8 – 1151.8	Dk green andesitic Tuff minor QC minor PY	1676	4.0	Tr		
1151.8 – 1154.5 ~~[illegible]~~ –	Slightly graphitic andesitic Tuff, minor Q.C. 1% PY.	1677		.005		
1154.5 – 1156.6	Graphitic Tuff. 10% vuggy QC. stockwork, 2% PY.	1678	2.1	Tr.		

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SHEET NUMBER 15 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1156.6 - 1158.6	Slightly graphitic Tuff minor Q.C 3% Py.	1679	2.0	.005		
1158.6 - 1160.8	Slightly graphitic Tuff 30% Qtz Carb. Stockwork. 5% Py. with vuggy pyritic carb.	1680	2.2	.005		
1160.8 - 1163.1	Graphitic Tuff, minor Q.C 3% Py.	1681	2.3	.01		
1163.1 - 1164.4	Graphitic Tuff minor Q.C 3% Py	1682	1.3	.005		
1164.4 - 1165.7	Slightly graphitic Tuff 40% Q.C. mostly along the core, 3% vuggy Py.	1683	1.3	Tr		
1165.7 - 1167.0	70% Qtz. Carb along the core, 3% vuggy Py. Trace of Chalco.	1684	1.3	.005		
1167.0 - 1169.0	Dacitic Tuff, slightly graphitic. 10% Q.C 4% Py.	1685	2.0	Tr		
1169.0 - 1170.5	Qtz Carb vein stockwork. 60% Q.C slightly graphitic, vuggy, 3% Py.	1686	1.5	.005		
1170.5 - 1172.0	Qtz Carb vein stockwork, 80% Q.C. vuggy. 2% Py.	1687	1.5	.005		
1172.0 - 1174.4	Dacitic Tuff. minor Q.C 3% Py.	1688	2.4	.005		
1174.4 - 1176.0	Dacitic Tuff. 40% vuggy Q.C. 5% coarse Py.	1689	1.6	.005 ~~.005~~		
1176.0 - 1180.4	Dacitic, slightly graphitic Tuff bedded at 10°-20° to core, minor QC 2% Py.	1690	4.4	.005		

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SHEET NUMBER 26 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1180.4 - 1182.8	Dacitic Tuff. 30% Qtz. Carb. largely along the core, 5% Py.	1691	2.4	Tr		
1182.8 - 1185.8	Slightly graphitic, dacitic Tuff. 5% Q.C. 1% Py.	1692	3.0	.005		
1185.8 - 1186.8	Dacitic Tuff. A 2" glassy Qtz. vein runs across the core at 80°. Carries 2% Py + a trace of chalco.	1693	1.0	.005		

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SHEET NUMBER 27 **SECTION FROM** ______ **TO** ______ **STARTED** ______

LATITUDE ______ **DATUM** ______ **COMPLETED** ______

DEPARTURE ______ **BEARING** ______ **ULTIMATE DEPTH** ______

ELEVATION ______ **DIP** ______ **PROPOSED DEPTH** ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1186.8 - 1190.0	Slightly graphitic, dacitic to andesitic Tuff. 5% Q.C. ± % PY.	1694	3.2	.005		
1190.0 - 1192.5	slightly graphitic, dacitic Tuff. minor Q.C. minor PY.	1695	2.5	.01		
1192.5 - 1194.5	Tuff. 40% Qtz Carb - sericite alteration minor PY.	1696	2.0	.005		
1194.5 1197.0	Slightly graphitic Tuff. 40% Q.C. sericite alteration, minor PY.	1697	2.5	.025		
		~~1698~~				
1197.0 - 1238.0	Dk greenish andesitic Tuff. bedded at 10° - 15° to core, most of the ~~bedding is~~ alteration is of the Qtz - sericite type. Sulphide mineralization is rare.					
1197.0 - 1200.0	Andesitic Tuff. 20% Carb. ½ % PY.	1698	3.0	.005		
1200.0 - 1204.0	Andesitic Tuff minor Q.C. minor PY.	1699	4.0	Tr		
1204.0 - 1207.0	Andesitic Tuff. minor Q.C. minor PY.	1700	3.0	.005		
1207.0 - 1212.0	Andesitic Tuff. minor Q.C. minor PY.	1701	5.0	Tr		
1212.0 - 1217.0	Andesitic Tuff minor Q.C. minor PY.	1702	5.0	Tr		
1217.0 - 1221.0	Andesitic Tuff minor Q.C. minor PY.	1703	4.0	.005		

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SHEET NUMBER 28 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1221.0-1224.0	Andesitic Tuff. 30% Q.C.-epidote alteration, minor Py.	1704	3.0	Tr		
1224.0-1227.0	Andesitic Tuff, minor Q.C. minor Py	1705	3.0	Tr		
1227.0-1232.0	Andesitic Tuff 5% Qtz.-sericite alteration - minor Py.	1706	5.0	Tr		
1232.0-1238.0	Andesitic Tuff, minor Q.C. minor Py.	1707	6.0	Tr		
1238.0-1240.1	Andesitic Tuff. 30% Qtz. Carb. Stockwork, 3% coarse Py.	1708	2.0	Tr		
1240.1-1242.2	Andesitic Tuff 40% Q.C. stockwork 4% coarse Py.	1709	2.1	Tr		
1242.2-1243.5	80% Qtz. vein stockwork with andesitic Tuff breccia fragments. 5% coarse vuggy Py. Traces of Chalco Py.	1710	1.3	Tr		
1243.5-1244.9	75% Qtz carb vein stockwork with greenish Andesitic Tuff. breccia fragments 4% coarse Py. Traces of Chalco Py.	1711	1.4	.005		
1244.9-1246.0	60% Qtz Carb vein stockwork with andesitic Tuff fragments, some pink Carb. + 3% coarse Py.	1712	1.1	Tr		

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SHEET NUMBER 29. SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1238.0-1246.0	Qtz. Carb vein stockwork mineralized zone, consists of 30% - 50% Q.C. vein stockwork with both white + pink carb. Andesitic Tuff forms the breccia-like fragments 3-5% coarse PY throughout. This is a good looking structure.					
1246.0-1247.0	Andesitic Tuff. 5% Qtz carb. minor PY.	1713	1.0	.01		
1247.0-1251.8	Andesitic Tuff minor Q.C. ½% PY.	1714	4.8	.01		
1251.8-1256.6	Andesitic Tuff minor QC minor PY	1715	4.8	Tr		
1256.6-1261.4	Andesitic Tuff. minor Q.C minor PY.	1716	4.8	.01		
1261.4-1266.2	Andesitic Tuff. minor Q.C minor PY.	1717	4.8	Tr		
1266.2-1271.0	Andesitic Tuff minor Q.C minor PY.	1718	4.8	Tr		
1271.0-1276.0	Andesitic Tuff minor QC minor PY	1719	5.0	.02		
1276.0-1281.0	Andesitic Tuff minor QC minor PY.	1720	5.0	.005		
1281.0-1286.0	Andesitic Tuff. minor QC minor PY.	1721	5.0	Tr		
1286.0-1289.5	Andesitic Tuff minor QC minor PY	1722	3.5	Tr		
1289.5-1294.0	Andesitic Tuff. minor QC minor PY.	1123	4.5	.005		
1294.0-1298.5	Andesitic Tuff. minor QC. minor PY.	1724	4.5	Tr		

DRILLED BY ______ SIGNED ______

81-

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 30 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1298.5 - 1301.5	Andesitic Tuff minor Q.C. minor PY.	1725	3.0	.01		
1246.0 - 1301.5	Dk. greenish andesitic Tuff, somewhat massive in appearance but banding is still present at 10° - 15° to core, Qtz Carb alteration + PY mineralization are nearly absent.					
1301.5 - 1321.5	Dacitic Tuff, lt. greenish grey. minor Q.C. alteration, 1 2% Pyritic mineralization, finely banded at 10° - 20° to core.					
1321.5 - 1330.0	Graphitic - dacitic tuff, with some Q.C. veining along the core. 3% PY. contacts of this band run at 15° - 20° to core.					
1330.0 - 1366.0	Dk greenish And. Tuff, amphibolized in part. The amphibole content becomes replaced by a Talc Chlorite					

DRILLED BY ______ SIGNED ______

81-11

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 31 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	in proximity to the Talc-peridotite contact.					
1301.5 - 1303.2	Dacitic Tuff. bedded at 10° - 20° to core minor G.C. 2% PY.	1726	1.7	.02		
1303.2 - 1305.2	Dacitic Tuff. 5% G.C. 3% PY.	1727	2.0	Tr		
1305.2 - 1308.0	Dacitic Tuff minor G.C. 1% PY.	1728	2.8	.02		
1308.0 - 1310.5	Dacitic Tuff minor GC ½% PY.	1729	2.5	Tr		
1310.5 - 1312.7	Dacitic Tuff 5% G.C 2% PY.	1730	2.2	.005		
1312.7 - 1317.0	Dacitic Tuff minor G.C. 1% PY.	1731	4.3	.005		
1317.0 - 1319.0	Dacitic Tuff. 10% G.C. 3% PY.	1732	2.0	.005		
1319.0 - 1321.5	Dacitic Tuff. 5% G.C. 3% PY.	1733	2.5	.005		
1321.5 - 1323.0	Graphitic - dacitic Tuff. 7% coarse PY.	1734	1.5	.005 ~~.005~~	~~Tr~~	
1323.0 - 1326.0	Graphitic Tuff 15% G.C along the core. 4% coarse PY.	1735	3.0	Tr		
1326.0 - 1328.7	Graphitic - dacitic Tuff minor G.C. 3% PY.	1736	2.7	Tr		
1328.7 - 1332.0	Andesitic Tuff. slightly propylitic minor G.C. minor PY.	1737	3.3	Tr		
1332.0 - 1336.3	Andesitic Tuff. Amphibolitic, 5% G.C minor PY.	1738	4.3	Tr		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 51-11

SHEET NUMBER 32
SECTION FROM ______ TO ______
STARTED ______
LATITUDE ______
DATUM ______
COMPLETED ______
DEPARTURE ______
BEARING ______
ULTIMATE DEPTH ______
ELEVATION ______
DIP ______
PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUES	
1336.3 - 1337.4	Andesitic Tuff. 60% Qtz carb. stockwork. 3% Py.	1739	1.1	.005		
1337.4 - 1341.8	Andesitic Tuff. amphibolitic, minor Q.C. minor Py.	1740	4.4	Tr		
1341.8 - 1346.7	Andesitic Tuff. amphibolitic, minor Q.C.	1741	4.9	Tr		
1346.7 - 1351.3	Andesitic Tuff. amphibolitic, minor Q.C.	1742	4.6	Tr		
1351.3 - 1356.2	Andesitic Tuff. amphibolitic, minor Q.C.	1743	4.9	Tr		
1356.2 - 1359.0	Andesitic Tuff amphibolitic, minor Q.C.	1744	2.8	Tr		
1359.0 - 1359.8	A 5" Qtz Carb vein at 70° to core. minor Py.	1745	.8	Tr		
1359.8 - 1361.0	Andesitic tuff. amphibolitic, barren.	1746	1.2	Tr		
1361.0 - 1366.0	Andesitic Tuff. amphibolitic, finely banded at 15° to core. barren	1747	5.0	Tr		
1366.0 - 1392.0	Tuff. highly altered by Talc - Chlorite - Q.C. alteration but bedding is still recognizable & runs at 0° - 10° to the core					

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 33 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1342.0 - 1397.0	Peridotite, talc altered, very soft, massive appearance					
1366.0 - 1370.7	Talc - Chlorite. 5% Qtz. Carb. altered Tuff.	1748	4.7	.005		
1370.7 - 1372.7	40% Qtz. Carb. in Talc - Chlorite altered Tuff. minor PY.	1749	2.0	Tr		
1372.7 - 1375.5	Highly Chloritic - amphibolitic Tuff. 10% Q.C. 1/2% PY.	1750	2.8	.015		
1375.5 - 1380.0	Talc - Chlorite - altered Tuff. 5% Q.C. minor PY.	1751	4.5	.01		
1380.0 - 1381.5	Talc - Chlorite altered Tuff.	1752	1.5	.30	.32	
1381.5 - 1384.8	Talc - Chlorite altered Tuff. 30% Carb. minor PY.	1753	3.3	.01		
1384.8 - 1390.3	Talc - Chlorite altered Tuff 10% Carb.	1754	5.5	Tr		
1390.3 - 1391.3	Grey. Carb. with Talc. minor PY.	1755	1.0	.005		
	End of Hole 1397.0					

DRILLED BY ______ SIGNED ______

81-11

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 34 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION		SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	Deepened Drill Hole 81-11						
	Dip Tests:						
Depth	Tube etch angle	Corrected True Dip					
600'	-63°	-55½°					
800'	-61°	-53½°					
1000'	-55°	-46½°					
1200'	-52°	-43½°					
1380'	-49°	-40½°					

DRILLED BY ______ SIGNED ______

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 1 SECTION FROM ______ TO ______ STARTED Sept 4, 81

LATITUDE 1+07N DATUM 1000' COMPLETED Sept 8, 81

DEPARTURE 38+50 E BEARING Due W. ULTIMATE DEPTH 407.0'

ELEVATION ______ DIP Collar - 70°, 200' - 68°, 400' - 66½° PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0 - 125.0	Casing in overburden. The first 90' was largely in Clay, from 90' - 125' a number of hard 8" - 12" boulders were crossed.					
125.0 - 133.0	Strongly Graphitic Tuff with 10 - 15% Qtz Carb Stringers & 2% Py. The bedding is variable from 0° - 20° To the core.					
133.0 - 138.0	Slightly Graphitic Tuff with some minor Qtz Carb vein Stockwork. 3% Py. The bedding varies from 0° - 10° to the core.					
138.0 - 200.8	Tuff - dacite to andesite composition finely bedded at 5° - 15° to the core. ... Qtz carb. altn. minor Py.					
200.8 - 204.0	Glassy Qtz vein at 70° To core some coarse Py. near its contacts					

DRILLED BY Norex Drilling Co. SIGNED C. J. Kueyflein 81-1

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 2 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
125.0 - 126.0	Large Bx casing core, strongly graphitic tuff 40% grey Qtz Carb 2% Py.	1756	1.0	.005		
126.0 - 127.3	Large Bx casing core, strongly graphitic tuff. 15% grey Q.C. 2% Py.	1757	1.3	.015		
127.3 - 130.0	BQ core. highly graphitic tuff. 10% Q.C. 1% Py.	1758	2.7	.06		
130.0 - 132.5	Graphitic tuff. 10% Qtz. Carb in a ½' stringer that runs along the core. 7% coarse Py.	1759	2.5	.40	.435	
132.5 - 134.5	Slightly graphitic tuff. minor Q.C. 1% Py.	1760	2.0	.06		
134.5 - 136.0	Slightly graphitic tuff. 50% Qtz. Carb. vein stockwork that runs across the core. 2% Py.	1761	1.5	Tr		
136.0 - 137.7	Slightly graphitic tuff. a 3" Q.C. veinlet that runs across the core at 70°. 2% Py.	1762	1.7	.01		
137.7 - 141.3	Dacite to andesite tuff. minor Q.C. 1% Py.	1763	3.6	.005		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 3 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES
141.3 - 142.4	Dacitic Tuff. minor Q.C. 3% Py slightly vuggy	1764	1.1	.025
142.4 - 143.1	A 1" Qtz Carb. vein [illegible] at 75° to core and it carries 30% Py.	1765	.7	.005
143.1 - 145.0	Dacitic Tuff minor Q.C. 5% Py.	1766	1.9	.01
145.0 - 149.0	Dacite to andesite Tuff. minor Q.C. minor Py.	1767	4.0	Tr
149.0 - 153.0	Dacite to andesite Tuff. minor Q.C. minor Py.	1768	4.0	Tr
153.0 - 156.5	Dacitic Tuff. 15% Qtz Carb. in stringers that run along the core. minor Py.	1769	3.5	.005
156.5 - 158.0	Dacitic Tuff. 10% Q.C. that run along the core minor Py	1770	1.5	.005
158.0 - 161.0	Dacite to andesite Tuff minor QC minor Py.	1771	3.0	Tr
161.0 - 164.5	Dacite to andesite Tuff minor Q.C. minor Py.	1772	3.5	Tr
164.5 - 166.5	Dacitic Tuff minor Q.C minor Py.	1773	2.0	.005
166.5 - [illegible]	Slightly graphitic, dacitic Tuff. 1% grey Qtz in stringers that run at 30° to core.	1774	1.6	.03

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. **HOLE NO.** 81-12

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
168.1 – 169.1	Slightly graphitic Tuff 70% grey Qtz. in veins that run at 70° to the core. 3% coarse Py. and a small patch of V.G. at 168.5' several specks of VG in centre of split core at 169.0'	1775	1.0	.88		
169.1 – 170.0	Dacitic Tuff a 1" Qtz. Carb. vein at 70° to core. 3% Py.	1776	.9	.02		
170.0 – 173.5	Dacite to andesite Tuff 3% Q.C. 1% Py.	1777	3.5	.01		
173.5 – 176.2	Andesite to dacite Tuff minor Q.C. minor Py.	1778	2.7	Tr		
176.2 – 177.0	Tuff. a 3/4" Qtz Carb veinlet cuts at 55° to the core. minor Py.	1779	0.8	Tr		
177.0 – 180.7	Dacite to andesite Tuff minor Q.C. minor Py.	1780	3.7	Tr		
180.7 – 183.7	Dacitic Tuff minor Q.C., 1% Py.	1781	3.0	Tr		
183.7 – 186.7	Dacitic Tuff 2% Q.C. 3% Py.	1782	3.0	.015		
186.7 – 189.2	Dacite to andesite Tuff - slightly [illegible] along calcite at [illegible] [illegible] along & across the core minor Py.	1783	2.[illegible]	.005		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 5
SECTION FROM ______ TO ______
STARTED ______
LATITUDE ______
DATUM ______
COMPLETED ______
DEPARTURE ______
BEARING ______
ULTIMATE DEPTH ______
ELEVATION ______
DIP ______
PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
189.2 - 192.2	Dacite to And. Tuff. 15% Q.C. along the core. ½% Py.	1784	3.0	Tr		
192.2 - 194.2	Dac to And. Tuff. 20% Q.C. along the core. minor Py.	1785	2.0	Tr		
194.2 - 198.2	Dac. To And. Tuff. minor Q.C. ½% Py.	1786	4.0	.005		
198.2 - 200.8	Dac. to And. Tuff. 7% Q.C. along the core. 1% Py.	1787	2.6	.01		
200.8 - 202.0	A glassy Qtz. vein that runs at 70° to core. Some coarse Py in the Qtz. near the contact	1788	1.2	.04		
202.0 - 203.0	A glassy Qtz. vein, vuggy ½% Py.	1789	1.0	Tr		
203.0 - 204.0	A glassy Qtz. vein, with Py. along its Tuff contact.	1790	1.0	.005		
204.0 - 207.5	Dacite to And. Tuff minor Q.C. minor Py.	1791	3.5	.005		
207.5 - 211.2	Dac. To And. Tuff. Some calcite filled fractures. Minor Py.	1792	3.7	Tr		
211.2 - 214.5	Dac. to And. Tuff. minor Q.C. minor Py	1793	3.3	Tr		
214.5 - 218.0	Dac. To And. Tuff. minor Q.C. minor Py	1794	3.5	Tr		
218.0 - 221.0	Dac. To And. Tuff. 10% Qtz. Carb. along the core. 3% Py.	1795	3.0	.035		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 6 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
221.0 - 221.9	Dac. to And. Tuff. with a 6" Qtz. Carb. vein at 70° to core. 3% Py.	1796	.9	.05		
221.9 - 226.0	Dac. to And. Tuff minor Q.C. minor Py. bedded at 20° to core.	1797	4.1	.025		
226.0 - 229.8	Dac. to And. Tuff. with calcite filled fine fractures. minor Py.	1798	3.8	.005		
229.8 - 231.6	Dac. to And. Tuff. minor Q.C. minor Py.	1799	1.8	.035		
231.6 - 232.8	A glassy Qtz. vein at 70° to the core 1/2% Py. along vein contacts.	1800	1.2	.015		.07
232.8 - 235.0	And. to Dac. Tuff. minor Q.C. 1% Py.	1801	2.2	.025		
235.0 235.8	Dac. to And. Tuff. A 3" Q.C. vein at 70° to core. Carries 3% Coarse	1802	.8	.335	.345	
235.8 - 239.0	Dac. to And. Tuff minor Q.C. (Py. 1% Py.	1803	3.2	.01		
239.0 - 242.0	Dac. to And. Tuff minor Q.C. minor Py.	1804	3.0	.005		
		1805	2.0	Tr		
242.0 - 244.0	Dac. to And. Tuff minor Q.C. minor Py.					
244.0 - 246.5	Graphitic dac. Tuff. with a large calcitic vein from 244' - 245.0'. minor Q.C. minor Py.	1806	2.5	Tr		

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DRILLED BY ______ SIGNED ______

NICKEL OFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
201.0-245.0	Dac. To And. Tuff. Alt greenish grey, finely banded at 5-15° to core. Few occasional Qtz. veinlet runs across the core. A strong Calcitic very. from 244.-245'					
245.0 - 256.0	Slightly graphitic Tuff. finely banded at 10-20° to the core. Some minor Q.C. stringers. 2% Py. mineralization.					
256.0-276.0	Dac. To And. Tuff. Finely bedded at 5-15° to core Some minor Qtz. Carb + Py mineralization					
276.0-282.5	Dac. Tuff. buff to greenish grey brecciated agglomerate appearance finely banded at 10° to core.					

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 8 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUES	
246.5 - 247.9	Graphitic Tuff. 10% Q.C. stringers in Stockwork. 2% PY.	1807	1.4	.015		
247.9 - 252.4	Dac. To And. Tuff. minor Q.C. 1% PY.	1808	4.3	Tr		
252.4 - 255.7	Dac. T. And. Tuff. 5% Q.C. 1% PY.	1809	3.3	.005		
255.7 - 259.5	Dac. To And. Tuff. minor Q.C. 2% PY.	1810	3.8	Tr		
259.5 - 260.5	Dac. To And. Tuff. A 2" glassy Qtz. vein at 50° To core. 20% PY. mostly in the Tuff.	1811	1.0	.065	.055	
260.5 - 261.4	Dac. To And. Tuff. minor Q.C. minor PY.	1812	.9	Tr		
261.4 - 265.8	Dac. To And. Tuff. minor Q.C. minor PY.	1813	4.4	Tr		
265.8 - 270.7	Dac. Tuff. minor Q.C. minor PY.	1814	4.9	Tr		
270.7 - 275.5	Dac. Tuff. minor Q.C. minor PY.	1815	4.8	.005		
275.5 - 278.0	Dac. Tuff. minor Q.C. minor PY.	1816	2.5	.005		
278.0 - 279.0	Dac. Tuff. A 1" Qtz. Carb. vein at 50° To the core. 2% PY.	1817	1.0	.03		
279.0 - 280.0	Dac. Tuff. minor Q.C. minor PY.	1818	1.0	Tr		
280.0 - 280.8	Dac. Tuff. A 1" Qtz. vein at 50° To core, minor PY.	1819	0.8	Tr		
280.8 - 282.5	Dac. Tuff. minor veinlets along Calcite fractures. 1% PY.	1820	1.7	.01		

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 51-12

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
282.5 - 283.8	Dac. Tuff Three 1" Qtz. carb. veinlets at 45° to the core, one at 283.5' carries two coarse streaks of V.G. in a patch along the edge of the vein. Some coarse massive Py. in the vein with the V.G.	1821	1.3	.69	.68	.68
283.8 - 284.8	Dac. Tuff. 5% Qtz. carb. 3% Py. along fractures	1822	1.0	.025		
284.8 - 285.8	Qtz. carb. vein at 70° to the core. carries 5% massive Py.	1823	1.0	.045		
285.8 - 287.5	Graphitic - dacitic Tuff. 5% Qtz. carb. 2% Py.	1824	1.7	.03		
287.5 - 291.5	Slightly graphitic - dac. Tuff minor Q.C. 4% Py.	1825	4.0	.01		
291.5 - 296.0	Dac. Tuff minor Q.C. minor Py.	1826	4.5	.005		
296.0 - 299.0	Dac. Tuff 5% Q.C. along the core, ½% Py.	1827	3.0	Tr		
299.0 - 302.0	Dac. Tuff minor Q.C. minor Py.	1828	3.0	Tr		
302.0 - 302.7	Dac. Tuff. A 2" glassy Qtz. vein cuts across the bedding at 70° to core. minor Py.	1829	.7	Tr		

51-12

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
282.5 - 287.0	Graphitic - dacite Tuff. with several Qtz Carb. veinlets. that run at 45° To core. One of these veins at 283.5' Carries a patch of V.G.					
287.0 - 344.0	Dacitic Tuff. Greenish grey banded at 10-15° To the core. There a few widely spaced Q.C. veinlets.					
344.0 - 365.5	Strongly graphitic Tuff. with impregnating Q.C. Alt'n. largely along the bedding which varies from 10-35° to the core. The mineralization Consists of heavy coarse py. associated with Qtz Carb.					
365.5 - 380.0	Talc altered Tuff. finely banded at 15-20° To core & Composed of 20-30% Talc					
380.0 - 399.0	Talc rock, 60% talc - carb. 40% talc altered Tuff remnants. Bedding ~~is~~ still recognizable in part at 20° to core.					

DRILLED BY ______ SIGNED ______

81-12

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 11 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
302.7-307.7	Dac. Tuff. minor Q.C. minor PY.	1830	5.0	Tr		
307.7-312.3	Dac. Tuff. minor Q.C. minor PY.	1831	4.6	.015		
312.3-313.2	Dac. Tuff. 9.5" Qtz. vein at 40° to core. 5% PY.	1832	.9	.19	.205	5.5
313.2-317.7	Dac. Tuff. minor Q.C. minor PY.	1833	4.5	.005		
317.7-322.7	Dac. Tuff. minor Q.C. ½% PY.	1834	5.0	Tr		
322.7-327.5	Dac. Tuff. minor Q.C. ~~—~~ ½% PY.	1835	4.8	.02		
327.5-332.0	Dac. Tuff. minor Q.C. ½% PY.	1836	4.5	Tr		
332.0-336.5	Dac. Tuff. minor Q.C. ½% PY.	1837	4.5	.005		
336.5-340.5	Dac. Tuff. minor Q.C. minor PY.	1838	4.0	Tr		
340.5-343.5	Dac. Tuff. slightly graphitic 5% Q.C. ½% PY.	1839	3.0	.005		
343.5-347.0	Graphitic Tuff. finely banded at 15° to core. 5% Q.C. 2% PY.	1840	3.5	.025		
347.0-348.6	Graphitic Tuff. 5% Q.C. 2% PY.	1841	1.6	.005		
348.6-350.1	30% Qtz Carb. strongly graphitic Tuff 10% coarse PY. 'looks good'	1842	1.5	.01		
350.1-351.5	Strongly graphitic Tuff. 25% Q.C. 7% euhedral PY.	1843	1.4	.005		
351.5-353.1	Strongly graphitic Tuff 30% Q.C. 5% coarse PY.	1844	1.6	.01		

DRILLED BY ____ SIGNED ____

81-12

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-12

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
353.1-354.5	Strongly graphitic Tuff. 5% Q.C. 1% pyrite. Bedding at 30° to core.	1845	1.4	.005		
354.5-357.0	Strongly graphitic Tuff 10% Q.C. 2% Py.	1846	2.5	.005		
357.0-359.5	Strongly graphitic Tuff. 10% Q.C. 2% Py.	1847	2.5	.005		
359.5-362.5	Strongly graphitic tuff. 10% Q.C. in Stringers. 3% Py.	1848	3.0	.005		
362.5-365.5	Strongly graphitic Tuff. 5% Q.C. 1% Py banded at 35° to core.	1849	3.0	.005		
399.0-407.0	Massive Talc altered peridotite. The texture is somewhat coarse altered granular.					
	End of Hole 407.0'					

DRILLED BY ______ SIGNED ______

81-12

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 1	SECTION FROM ____ TO ____	STARTED Sept 9. 1981
LATITUDE 1+07N	DATUM 1000'	COMPLETED Sept. 12. 1981
DEPARTURE 38+00E	BEARING N-82° W	ULTIMATE DEPTH 501.0'
ELEVATION	DIP Collar -70° at 200'-72° at 400'-70°	PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0 - 140.0	Casing in overburden.					
140.0 - 182.5	Highly graphitic black Tuff. Bedding at 0°-5° to the core. The bedding is 0° at the collar and progressively bends to 5°-10° to the core at 180'. The rock consists of 90% black graphitic Tuff bands with narrow Q.C. bands that carry py. forms the remainder. This Period is highly blocky & superficially resembles Argillite except that the bands are Qtz. Carb. not siltstone.					
182.5 - 183.7	Two 5" Qtz. Carb. veins that cut across the bedding at 40° to the core. These veins carry 7% coarse py. & patches of V.G at 182.7 & 183.5					
183.7 - 192.0	Highly graphitic Tuff, bedded at 0°-15°					

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 51-13

SHEET NUMBER 2

SECTION FROM ______ TO ______

STARTED ______

LATITUDE ______

DATUM ______

COMPLETED ______

DEPARTURE ______

BEARING ______

ULTIMATE DEPTH ______

ELEVATION ______

DIP ______

PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	to the core, carries minor Q.C. + 2% Py.					
192.0-204.0	Graphitic Tuff with 25% Q.C. veins + veinlets ~~at~~ that cross the bedding + the core at 35° The veinlets carry 3-7% coarse Py.					
204.0-224.5	90% white Qtz. vein with some inclusions of graphitic Tuff. & it contains some patches of coarse Py. From 213.1-213.8' a nugget of V.G of about 1/4" x 1/2" long occurs in addition some dendritic gold occurs with a silvery Telluride in the form of an X of about 1 Cm. square.					
224.5-231.7	Graphitic Tuff with some Q.C. & Py.					
231.7-252.0	Dacitic Tuff: finely banded at 0°-10° to the core. looks somewhat barren. Brecciated + vuggy to calcite from 231.7-232.7'					

DRILLED BY ______ SIGNED ______ 13

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 3	SECTION FROM ____ TO ____	STARTED ____
LATITUDE ____	DATUM ____	COMPLETED ____
DEPARTURE ____	BEARING ____	ULTIMATE DEPTH ____
ELEVATION ____	DIP ____	PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
140.0 - 144.0	Graphitic Tuff. 5% Q.C. along the core. 3% fine PY.	1850	4.0	.005		
144.0 - 148.0	Highly graphitic Tuff. 2% Q.C. along the core. 2% PY.	1851	4.0	Tr		
148.0 - 152.3	Graphitic Tuff. 2% Q.C. along the core. 3% PY.	1852	4.3	Tr		
152.3 - 156.5	Highly Graphitic Tuff. 3% Q.C. 4% PY.	1853	4.2	Tr		
156.5 - 160.0	Highly Graphitic Tuff. 3% Q.C. 3% PY.	1854	3.5	.005		
160.0 - 165.0	Highly Graphitic Tuff. min Q.C. 2% PY.	1855	5.0	.005		
165.0 - 168.5	Highly graphitic Tuff. 4% Q.C. 4% PY.	1856	3.5	Tr		
168.5 - 172.0	Highly graphitic Tuff. 2% Q.C. 2% PY.	1857	3.5	.005		
172.0 - 175.5	Highly Graphitic Tuff. 5% Q.C. 5% PY.	1858	3.5	.005		
175.5 - 178.5	Highly Graphitic Tuff - 2% Q.C 4% PY	1859	3.0	.005		
178.5 - 182.5	Highly Graphitic Tuff. min Q.C. 2% PY.	1860	4.0	Tr		
182.5 - 183.7	Graphitic Tuff with two 5" Q.C. veins that cut across the bedding & the core at 40° and carry 7% coarse PY each. There is a speck of V.G in the first vein at 182.7' & a patch of fine V.G in the second vein at 183.5'. A second patch of V.G at 183.5' carries two specks of V.G in a crystal of Pyrite.	1861	1.2	1.62	1.50	.23/.234'

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
183.7 – 185.0	Graphitic Tuff minor Q.C. 5% PY.	1862	1.3	.16		
185.0 – 186.5	Highly graphitic Tuff minor Q.C. 3% PY	1863	1.5	.005		
186.5 – 187.8	Highly Graphitic Tuff with a 4" Qtz. vein at 30° to the core, 3% PY. a speck of V.G at 187.5	1864	2.2	.36	.38	
187.8 – 192.0	Highly graphitic Tuff minor Q.C. 3% PY	1865	4.2	.035		
192.0 – 193.0	A Qtz Carb vein that runs at 40° to the core. carries 5% coarse PY.	1866	1.0	.47	.45	.43
193.0 – 194.3	Graphitic Tuff 5% Q.C. 3% PY.	1867	1.3	.015		
194.3 – 195.5	A Qtz. Carb vein at 50° to the core it carries 7% coarse PY.	1868	1.2	.045		
195.5 – 198.0	Graphitic Tuff. 7% Q.C. in stringers 3% PY. One 1" stringer that runs along the bedding carries a patch of about 20 fine specks of V.G at 197.0'	1869	2.5	.44	.44	
198.0 – 199.0	A Qtz Carb vein that cuts across the bedding + the core at 40° carries 7% coarse PY.	1870	1.0	.375	.39	
199.0 200.2	Qtz Carb. vein at 35° to the core 4% PY.	1871	1.3	.03		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
200.2 - 201.7	Qtz. Carb. vein with some pink Carb. 7% coarse Py.	1872	1.5	.075		
201.7 - 203.2	Highly graphitic Tuff. 5% Q.C. in stringers 3% Py.	1873	1.5	.005		
203.2 - 204.0	Graphitic Tuff. 60% grey Qtz. Carb. at 40° to the core, 7% coarse Py.	1874	.8	.095		
204.0 - 205.0	80% Q.C. vein with 10% coarse Py. & some minor inclusions of Graphitic Tuff. Traces of Chalco Py.	1875	1.0	.06		
205.0 - 206.2	A milky white Qtz. vein relatively barren except for traces of Chalco Py. + pyrite in narrow streaks of grey Carb.	1876	1.2	Tr		
206.2 - 208.2	A Qtz. vein, with 5% massive Py. streaks and its contact at 60° To the core.	1877	2.0	.03		
208.2 - 209.1	Graphitic Tuff minor Q.C. 3% Py.	1878	.9	.005		
209.1 - 210.5	Milky white Qtz. vein, with contact at 45° to the core. 4% coarse Py. with traces of Chalco Py.	1879	1.4	.005		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 6 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
210.5 – 212.1	Milky white Qtz. vein appears to be barren.	1880	1.6	Tr		
212.1 – 212.6	milky white Qtz vein that carries a coarse nugget of V.G. that irregularily measures ¼" x ½" and also it contains several other coarse specks of V.G. one interesting X shaped dendritic fracture contains combined visible gold and a silvery grey telluride. Note: this core section is located at the Toronto head office as a showpiece		0.5	50.0 oz's est.		Museum Piece
212.6 – 213.6	A milky white Qtz. vein with 5% coarse py. & a couple of fine specks of V.G associated with fine dendritic fractures that carry tellurides, at 212.9'	1881	1.0	Tr .24	.24	
213.6 – 215.2	A milky white Qtz. vein, looks barren.	1882	1.6	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
215.2-216.3	A milky white Qtz. vein with 30% coarse Py. concentrated near its edge that runs at 40° to the core.	1883	1.1	Tr		
216.3-217.8	Graphitic Tuff. 3% Q.C. 5% Py.	1884	1.5	.04		
217.8-219.2	A milky white Qtz. vein, 1% Py and one fine speck of telluride	1885	1.4	.005		
219.2-221.0	A milky white Qtz. vein. with 5% grey carb streaks.	1886	1.8	.01		
221.0-223.0	A milky white Qtz. vein with 5% grey carb. streaks, and two 1cm. crystals of Py.	1887	2.0	Tr		
223.0-224.8	A milky white Qtz. vein, with about 80% of white to pink carb. along its contact which runs at 80° to the core axis: 1% Py.	1888	1.8	Tr		
224.8-227.0	Graphitic Tuff. 7% Q.C. 3% Py.	1889	2.2	.03		
227.0-229.5	Graphitic Tuff minor Q.C. 1% Py.	1890	2.5	Tr		
229.5-231.7	White Qtz. mixed with some pink Q.C. carries 2% Py. Slightly vuggy.	1891	2.2	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 51-13

SHEET NUMBER 8
SECTION FROM ______ TO ______
STARTED ______
LATITUDE ______
DATUM ______
COMPLETED ______
DEPARTURE ______
BEARING ______
ULTIMATE DEPTH ______
ELEVATION ______
DIP ______
PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
252.0 – 263.3	Slightly Graphitic – Dacitic Tuff. finely banded at 5°–10° to core minor Q.C. minor Py.					
263.3 – 271.0	3 milky white Qtz. veins each about 2' long occur in slightly graphitic dacitic Tuff. These contacts run at 40°–50° to the core & they commonly carry coarse Py in the veins at their contacts					
271.0 – 316.0	Graphitic, dacitic Tuff, finely banded. The banding indicates a warp in the Tuffs because the bedding cuts across the core at 10°–30° to the core axis. A few Qtz. veins & veinlets run across the core & the bedding. From 315.0 – 316.0 the dacite becomes progressively more graphitic and harder due to some silicification					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 9 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
231.7 - 237.0	Dacitic Tuff, looks barren.	1892	5.3	.005		
237.0 - 242.6	Dacitic Tuff, looks barren.	1893	5.6	Tr		
242.6 - 248.0	Dacitic Tuff, looks barren.	1894	5.4	.005		
248.0 - 253.0	Dacitic Tuff, looks barren.	1895	5.0	.005		
253.0 - 258.0	Dacitic Tuff minor Q.C. minor graphite	1896	5.0	.005		
258.0 - 261.0	Dacitic Tuff minor Q.C. ½% PY.	1897	3.0	.01		
261.0 - 263.0	milky white Qtz. vein, 2% PY.	1898	2.0	Tr		
263.0 - 263.8	A Qtz Carb vein, contact at 45° to core with some massive PY along the contact.	1899	0.8	Tr		
263.8 - 268.5	Dacitic Tuff. slightly graphitic banding at 15° 25° to core. minor Q C. minor PY.	1900	4.7	.005		
268.5 - 270.6	Milky white Qtz. vein. Contacts at 30° to core. 2% PY. Concentrated along the vein contacts.	1901	2.1	.005		
270.6 - 271.5	Dacitic Tuff. 5% Q.C. 2% PY.	1902	.9	.015		
271.5 - 273.3	A white Qtz. vein with contacts at 50° to core. 3% coarse PY. in vein near its contacts.	1903	1.8	.07		
273.3 - 276.0	Slightly dacitic graphitic tuff. bedded at 25° 35° to core. 5% Q.C. 1% PY.	1904	2.7	.02		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
276.0 - 278.5	Graphitic - dacitic Tuff. 3% Q.C. 1% PY.	1905	2.5	.01		
278.5 - 281.5	Graphitic - dacitic Tuff. Bedded at 30° to core, 10% Q.C. 1% PY.	1906	3.0	.01		
281.5 - 284.5	Graphitic - dacitic Tuff. minor Q.C. 2% PY.	1907	3.0	.01		
284.5 - 286.0	Qtz. Carb. vein contacts at 70° to core, 3% massive PY. in vein at contacts, also a patch of coarse PO. with a speck of Chalco in the vein.	1908	1.5	.245	.21	.21
286.0 - 287.2	Graphitic - dacitic Tuff, 3% Q.C. 2% PY.	1909	1.2	.03		
287.2 - 287.9	Graphitic Tuff. A 1" Q.C. vein runs across the bedding & the core at 45°. 2% PY.	1910	.7	.035		
287.9 - 289.2	Graphitic Tuff, with a 5" grey Carb. vein 1% PY.	1911	1.3	.025		
289.2 - 292.5	strongly graphitic, dacitic Tuff. Banding at 20°-25° to core, 5% Q.C. ½% PY.	1912	3.3	.015		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 11 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
292.5 - 294.5	Strongly graphitic, dacitic Tuff, bedded at 25° - 35° to core. 5% Q.C. 3% PY.	1913	2.0	.005		
294.5 - 296.0	A Qtz. vein along the bedding with some massive PY. along its contacts.	1914	1.5	.005		
296.0 - 297.5	Graphitic Tuff. 20% grey Qtz. Carb. 2% PY.	1915	1.5	.115	.125	
297.5 - 300.0	Graphitic - dacitic Tuff. 3% Q.C. 2% PY.	1916	2.5	.01		
300.0 - 302.5	Dacitic Tuff, slightly graphitic minor Q.C. 1% PY.	1917	2.5	.01		
302.5 - 305.5	Dacitic Tuff, minor graphite. 3% Q.C. 5% PY.	1918	3.0	.005		
305.5 - 307.7	Slightly graphitic Tuff. 5% Q.C. ½% PY.	1919	2.2	.025		
307.7 - 310.0	Graphitic Tuff, minor Q.C. minor PY.	1920	2.3	Tr		
310.0 - 312.7	Graphitic Tuff 5% Q.C. minor PY.	1921	2.7	.125		.38/14.1
312.7 - 314.2	Graphitic Tuff. 30% Q.B. in stringers & veinlets. 5% PY.	1922	1.5	.005		
314.2 - 315.8	Graphitic Tuff. 5% Q.C. 1% PY.	1923	1.6	.025		
315.8 - 317.5	Milky white Qtz vein. Contact at 40° to core. 4% coarse PY. in vein near contact.	1924	1.7	.175		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 12 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
316.0 – 331.6	A milky white Qtz. vein with contacts at 40° to the core, some patches of PY. mineralization near minor inclusions of Graphitic Tuff.					
331.6 – 353.0	Black to grey graphitic tuff with banding at 20 - 25° to the core, some narrow Qtz Carb. veinlets that cut across the bedding.					
353.0 – 372.0	Dacitic Tuff, buff greenish grey, banded at 20 - 25° to the core, relatively barren of Qtz. Carb. mineralization + PY.					
372.0 – 390.0	Andesitic Tuff, greenish, banded at 30° to core, mineralization is lean.					
390.0 – 453.0	Dk. greyish hard, graphitic - dacitic Tuff. 20% Q. C. veinlets, The PY. mineralization decreases toward the Talc contact. The graphitic Tuff contact runs at 35° to the core axis.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO.

SHEET NUMBER 13 SECTION FROM TO STARTED 81-13

LATITUDE DATUM COMPLETED

DEPARTURE BEARING ULTIMATE DEPTH

ELEVATION DIP PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
317.5 - 319.0	Milky white Qtz. vein, looks barren.	1925	1.5	.03		
319.0 - 321.0	Milky white Qtz. vein, looks barren	1926	2.0	Tr		
321.0 - 322.8	Milky white Qtz vein, 2% Coarse Py.	1927	1.8	.005		
322.8 - 324.1	A milky white Qtz. vein with 10% Graphitic Tuff fragments. 5% Coarse Py. in Qtz. near the tuff fragments. at 323.5 two specks of V.G. occur in a crystal of Pyrite that is 3 mm in diam.	1928	1.3	.255	.24	
324.1 - 326.0	A milky white Qtz vein, looks barren.	1929	1.9	Tr		
326.0 - 328.3	A milky white Qtz. vein with some inclusions of Graphitic Tuff fragments. + 3% Py. in the Qtz near the fragment.	1930	2.3	Tr		
328.3 - 330.0	A milky white Qtz vein. 20% ~~Qtz~~ inclusions of Graphitic Tuff fragments, 3% Py.	1931	1.7	.005		
330.0 - 331.7	A milky white Qtz. vein. 20% inclusions of Graphitic Tuff, some ragged massive Py.	1932	1.7	.005		
331.7 - 334.0	Graphitic Tuff. Hard siliceous. minor Q.C. 1% Py.	1933	2.3	.005		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 14 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
334.0 - 337.7	Black, Hard, Siliceous graphitic Tuff. 5% Q.C. ½% Py.	1934	3.7	.02		
337.7 - 339.0	70% Q.C. veins in hard siliceous graphitic Tuff, 5% massive Py.	1935	1.3	.025		
339.0 - 342.9	Hard, graphitic Tuff. bedded at 25°-35° to core. minor Q.C. 1% Py.	1936	3.9	.035		
342.9 - 346.0	Hard graphitic Tuff. minor Q.C. 3% Py.	1937	3.1	.005		
346.0 - 347.2	40% Q.C. vein in stockwork. 5% coarse Py.	1938	1.2	.055		
347.2 - 350.0	Hard graphitic Tuff. minor Q.C. minor Py.	1939	2.8	.005		
350.0 - 353.7	Graphitic Tuff. 3% Q.C. ½% Py.	1940	3.7	.005		
353.7 - 358.5	Dacitic Tuff. bedded at ~~20~~ 15° to core. minor Q.C. minor Py.	1941	4.8	.005		
358.5 - 359.5	Dacitic Tuff. 5% Q.C. 2% Py.	1942	1.0	.005		
359.5 - 360.7	Dacitic Tuff. A 2" Qtz. vein in a fracture at 70° to core. 3% Py.	1943	1.2	.015		
360.7 - 362.1	Dacitic Tuff. 30% Qtz. in cross fractures 4%. massive Py.	1944	1.4	.015		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 15 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
362.1-367.0	Dacitic Tuff. minor Q.C. 1/2 % PY.	1945	4.9	.005		
367.0-372.4	Dacitic Tuff. minor Q.C. 1/2 % PY.	1946	5.4	.005		
372.4-377.2	Dacitic Tuff. minor Q.C. 1/2 % PY.	1947	4.8	Tr		
377.2-382.2	Andesitic Tuff. minor Q.C. minor PY.	1948	5.0	Tr		
382.2-387.0	Andesitic Tuff. minor Q.C minor PY.	1949	4.8	Tr		
387.0-390.3	Andesitic Tuff. minor Q.C. minor PY.	1950	3.3	Tr		
390.3-393.0	Hard graphitic Tuff. 10% Q.C. veinlets, 3% PY.	1951	2.7	.02		
393.0-396.7	Hard graphitic Tuff. minor Q.C. 2% PY.	1952	3.7	Tr		
396.7-398.4	Graphitic Tuff, 15% Q.C veinlets. 7% minor PY.	1953	1.7	Tr		
398.4-400.0	Hard graphitic Tuff. 30% Q.C. 3% PY.	1954	1.6	Tr		
400.0-401.9	Hard graphitic Tuff 15% Q.C. veinlets 3% PY.	1955	1.9	.01		
401.9-403.4	Hard graphitic Tuff. 5% Q.C. 1% PY.	1956	1.3	.02		
403.4-406.0	Hard graphitic Tuff 1% Q.C veinlets 2% PY.	1957	2.6	.005		
406.0-408.0	Hard graphitic tuff. 15% Q.C. veinlets 3% PY.	1958	2.0	.005		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 16 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
408.0 – 410.0	Hard graphitic Tuff. 40% Q.C. 5% Coarse Py.	1959	2.0	.005		
410.0 – 412.5	Hard graphitic Tuff. 40% dark Grey Chert. 4% Coarse Py.	1960	2.5	.005		
412.5 – 414.1	Hard graphitic Tuff. 15% Q.C. 5% coarse Py. trace of chalco.	1961	1.6	.015		
414.1 – 416.1	Hard graphitic Tuff. 30% Q.C. vein, 3% coarse Py.	1962	2.0	.005		
416.1 – 418.1	Hard graphitic Tuff. 30% dark Grey chert. 4% Coarse Py.	1963	2.0	Tr		
418.1 – 420.2	Hard graphitic Tuff. 50% dk. Grey Qtz Chert. 3% coarse Py.	1964	2.1	Tr		
420.2 – 422.5	Hard graphitic Tuff. 15% Q.C. 4% coarse Py.	1965	2.3	.025		
422.5 – 424.6	Hard graphitic Tuff 7% Q.C. 1% Py.	1966	2.1	.01		
424.6 – 427.0	Hard graphitic Tuff, 20% Q.C. 2% Py.	1967	2.4	Tr		
427.0 – 429.0	Hard graphitic Tuff. banded at 35° to core, 3% Q.C. 2% Py.	1968	2.0	Tr		
429.0 – 431.2	Hard graphitic Tuff 25% Q.C. veinlets 2% Py.	1969	2.2	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13

SHEET NUMBER 17 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
431.2 - 433.5	Hard Graphitic Tuff minor Q.C ½% PY.	1970	2.3	Tr		
433.5 - 435.0	Hard Graphitic Tuff. 40% Q.C. veinlets, ½ % PY.	1971	1.5	Tr		
435.0 - 436.7	Hard Graphitic Tuff, 60% Q.C. ½% PY	1972	1.7	Tr		
436.7 - 439.0	Hard Graphitic Tuff. 10% Q.C along the banding at 40° to core, ½% PY.	1973	2.3	.005		
439.0 - 441.0	Hard Graphitic Tuff. 35% Qtz.C. minor PY.	1974	2.0	Tr		
441.0 - 442.6	Hard Graphitic Tuff, 15% Qz C. 1% PY.	1975	1.6	Tr		
442.6 - 444.5	Hard Graphitic Tuff 5% Q.C. minor PY	1976	1.9	Tr		
444.5 - 447.0	Hard Graphitic Tuff 10% Q.C veinlet, minor PY.	1977	2.5	.005		
447.0 - 449.5	Graphitic Tuff 5% Q.C minor PY.	1978	2.5	.005		
449.5 - 451.7	Graphitic Tuff 10% Q.C minor PY.	1979	2.2	.005		
451.7 - 452.7	A barren Qtz vein that runs at 70° to core.	1980	1.0	.015		
452.7 - 454.0	Talc altered Graphitic Tuff. 5% Qtz. & minor PY.	1981	1.3	.015		
453.0 - 501.0	Talc rock, some tuff banding, still evident but the Talc rock becomes progressively more massive peridotitic.					

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-14

SHEET NUMBER	1	SECTION FROM ____ TO ____		STARTED	Sept 13, 1981
LATITUDE	0 + 64' N	DATUM		COMPLETED	Sept. 18, 1981
DEPARTURE	37 + 50 E	BEARING	N-60°-W	ULTIMATE DEPTH	648.0'
ELEVATION	1000	DIP	Collar – 70° 200' – 69° 400' – 67° 600' – 68°	PROPOSED DEPTH	

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0 – 150.0	Casing in overburden					
150.0 – 168.5	Dacitic Tuff, slightly graphitic, 10% Qtz Carb in veins + stringers 2% Py throughout. The Tuff bedding runs from 5-15° to the core. The Qtz. veinlets cut across the Core at 40° – 70°.					
168.5 – 206.5	A Qtz. vein Stockwork structure about 80% white Qtz. with about 2-5% Py. and 15% inclusions of highly graphitic Tuff fragments. Some pink Carb occurs with the Qtz. from 201.0 – 206.0.					
206.5 – 215.0	Graphitic Tuff, finely banded at 10° – 15° to core, Some Py. near Qtz.					
215.0 – 218.0	Qtz. Carb. vein with contacts at 70° to core. The vein is largely					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. **HOLE NO.** 81-10

SHEET NUMBER 2 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	pink carb. with minor Qtz.					
218.0 – 243.5	Dacitic To And. Tuff. Graphite is relatively rare. Py. is minor.					
243.5 – 350.0	Slightly Graphitic – dacitic Tuff. about 15% Qtz. Carb. in Veinlets at 40°–70° To core. Some of these veinlets carry coarse Py. One veinlet at 260.2 has a patch of fine ~~VG~~. also at 268.7, 270.5 282.6 & 288.8 + 338.5					
350.0 – 403.0	Dacitic And. Tuff, greenish grey. Qtz. Carb. and Py mineralization are both relatively rare. The bedding varies from 0°–10° to core.	~~[illegible]~~				
403.0 – 427.0	Graphitic Tuff, with 30% Q.C. veins + stringers 5% – 7% Py.					
427.0 – 455.0	Lt. Greenish dac.– And. tuff. bedded at 20°–30° To core. Slightly vuggy in parts.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
150.0 - 152.0	Dacitic To and. Tuff. finely banded at 10° To core. 5% Q.C. 2% PY.	1982	2.0	.015		
152.0 - 152.8	Tuff. A 2" Q.C vein at 50° to the core, 2% PY.	1983	.8	.065		
152.8 - 156.0	Dacitic To And. Tuff. minor Q.C. 2% PY.	1984	3.2	.05		
156.0 - 157.5	Tuff. 20% Qtz. Carb. 2% PY.	1985	1.5	.035		
157.5 - 159.5	Slightly graphitic - dacitic Tuff. minor Q.C. 2% PY.	1986	2.0	.05		.087/10.8
159.5 - 160.9	Qtz. Carb. vein at 40° To core. 3% coarse PY. concentrated at vein edges.	1987	1.4	.085		
160.9 - 162.2	Graphitic - dacitic Tuff. 10% Q.C. stringers, 1% PY.	1988	1.3	.015		
162.2 - 164.3	Graphitic - dac. Tuff. 15% QC in stringers, 2% PY.	1989	2.1	.225	.23	
164.3 - 167.0	Graphitic, dac. Tuff minor Q.C. 4% PY.	1990	2.7	.045		
167.0 - 168.3	Graphitic, dac. tuff, 5% Q.C. [illegible]	1991	1.3	.03		
168.3 - 169.7	A Qtz. vein with contact at 70° to the core. 4% coarse PY. concentrated near vein edge.	1992	1.4	.005		

DRILLED BY ______ SIGNED ______ Hole 81-14

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
169.7–171.5	A milky white Qtz. vein with 5% inclusions of Tuff fragments, minor PY.	1993	1.8	Tr		
171.5–173.0	A Qtz. carb. vein, 10% graphitic Tuff fragments, 5% massive PY concentrated near edge of vein.	1994	1.5	.005		
173.0–175.3	Graphitic – dac. tuff. 10% Q.C. 4% PY.	1995	2.3	Tr		
175.3–178.0	Graphitic dac. tuff. 5% carb. stringers, 2% PY.	1996	2.7	Tr		
178.0–179.5	Qtz. carb. vein contact at 60° to core. 7% coarse PY. concentrated near vein edge, traces of chalco.	1997	1.5	.06		
179.5–181.5	White Qtz vein, minor PY.	1998	2.0	Tr		
181.5–183.5	Milky white Qtz. vein looks barren	1999	2.0	Tr		
183.5–185.5	Milky white Qtz. vein, looks barren.	2000	2.0	Tr		
185.5–187.5	Milky white Qtz vein 5% inclusions of graphitic Tuff fragments, 2% PY.	2001	2.0	Tr		
187.5–189.0	White Q.C. vein 5% inclusions of graphitic Tuff. 3% coarse PY.	2002	1.5	Tr		
189.0–190.5	A white Qtz. vein. 5% graphitic Tuff fragments. 5% coarse PY.	2003	1.5	.065		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-11

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
190.5 - 192.0	a Qtz vein. 30% graphitic Tuff. 5% Coarse Py.	2004	1.5	.01		
192.0 — 194.0	70% Q.C. vein, 25% included Tuff. 5% Py.	2005	2.0	Tr		
194.0 — 195.5	80% Qtz. Carb. 15% tuff. 5% Coarse Py.	2006	1.5	Tr		
195.5 — 197.0	50% Qtz. Carb. in Graphitic Tuff 3% Py.	2007	1.5	Tr		
197.0 - 198.5	a Qtz vein 10% graphitic Tuff 3% Py.	2008	1.5	Tr		
198.5 - 199.5	a Qtz vein 5% Tuff fragments 1% Py.	2009	1.0	Tr		
199.5 - 201.0	80% Qtz carb. vein, 5% Py.	2010	1.5	Tr		
201.0 - 203.0	60% Qtz. Carb. with graphitic tuff. 7% coarse Py.	2011	2.0	.005		
203.0 - 204.5	a Qtz vein, 7% Py. Some pink Carb	2012	1.5	Tr		
204.5 - 206.5	a Qtz vein, near its contact carries 10% Coarse To massive Py. One speck of V.G in split half of core	2013	2.0	.13	.12	
206.5 - 208.0	Highly graphitic tuff. 3% Py.	2014	1.5	.005		
208.0 - 211.0	Hard Silicious Graphitic Tuff	2015	3.0	.035		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 6 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	banded at 15° to core. minor Q.C., 3% PY. ½% areas PY.					
211.0 – 214.0	Graphitic tuff. minor Q.C., 10% PY.	2016	3.0	Tr		
214.0 – 216.0	Hard graphitic Tuff banded along the core. minor Q.C. minor PY.	2017	2.0	Tr		
216.0 – 217.5	60% Qtz. vein that runs partly along the core. 20% PY. some pink carb.	2018	1.5	.01		
217.5 – 219.4	a pink Qtz Carb vein contact at 60° to core. 2% PY.	2019	1.9	Tr		
219.4 – 223.0	Dacitic Tuff. slightly graphitic minor Q.C. 2% PY.	2020	3.6	.005		
223.0 – 226.5	Slightly graphitic Tuff banded at 15° to core, minor Q.C. minor PY.	2021	3.5	.02		
226.5 – 230.5	Dacitic Tuff minor Q.C. minor PY.	2022	4.0	.005		
230.5 – 234.0	Dacitic Tuff minor Q.C. minor PY.	2023	3.5	.005		
234.0 – 235.8	Graphitic Tuff 30% Q.C. veinlets 30% PY.	2024	1.8	.11	.11	
235.8 – 239.8	Dac. tuff. minor Q.C. minor PY.	2025	4.0	.005		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 7 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
239.8-244.0	Dac. Tuff. minor Q.C. minor PY.	2026	4.2	.005		
244.0-46.3	Dac. Tuff. minor Q.C. minor PY.	2027	2.3	.005		
246.3-47.3	Graphitic Tuff. 50% Q.C. veins at 70° to the core. 2% PY.	2028	1.0	Tr		
247.3-251.0	Slightly Graphitic Tuff, hard. minor Q.C. 1% PY.	2029	3.7	.03		
251.0-252.0	A 5" Qtz. carb. vein runs at 35° to core, & carries 5% Coarse PY.	2030	1.0	.04		.157
252.0-253.5	Graphitic Tuff 5% Q.C. 5% PY.	2031	1.5	.27	.25	.265
253.5-254.3	Dacitic Tuff 50% Q.C. in veinlets 1% PY.	2032	.8	.065		
254.3-256.3	Dacitic Tuff. 5% Q.C. in veinlet. 1% PY.	2033	2.0	.03		
256.3-257.3	Graphitic Tuff. A 2" Qtz. veinlet at 40° to core, vuggy. 1% PY.	2034	1.0	.025		
257.3-259.2	Graphitic dacite hard. 50% Q.C. in veinlets at 40° to core. 7% massive PY in veinlets.	2035	1.9	.01		
259.2-260.5	Dacitic tuff. A 2" + a 1" Qtz. vein runs across the core at 50° each carries a streak of massive PY. at 260.2 the veinlet carries a patch of V.G.	2036	1.3	2.55	.78	.765

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 8 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
260.5 - 261.8	Graphitic Tuff. A 3" Qtz vein at 70° to core. 3% PY.	2037	1.3	.025		
261.8 - 263.0	80% Qtz vein with contacts at 35° to core. partly vuggy. 5% coarse PY.	2038	1.2	.01		
263.0 - 264.5	Hard graphitic Tuff. 3% Q.C 1% PY	2039	1.5	.01		
264.5 - 265.5	Qtz. Carb vein at 50° to core. 5% PY in vein near edges.	2040		.005		
265.5 - 267.2	Hard graphitic Tuff. 1% arseno pyrite. Minor Q.C PY	2041	1.7	.02		
267.2 268.0	Graphitic Tuff. A 6" Qtz vein at 70° to core. 3% PY.	2042	.8	Tr		
268.0 - 269.5	Hard graphitic tuff. with a 2" and 2 1" grey Qtz. veinlet. At 268.7 that carries a speck of V.G.	2043	1.5	.105	.115	.105
269.5 - 271.6	60% Qtz. Carb. in hard graphitic Tuff. The vein contacts are at 40° & 10° to core. 2% PY. V.G at 270.5	2044	2.1	.155	.16	.155
271.6 - 274.8	Hard graphitic tuff, banded along the core, 15% Qtz Carb. Stringers with heavy PY. run irregularly along the core.	2045	3.2	.165	.155	
274.8 - 276.5	Hard dac - graphitic Tuff. 3% Q.C veinlets one at 30° one at 50° to core. 2% PY.	2046	1.7	Tr		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
276.5-279.3	Hard dac-graphitic Tuff. 5% Q.C. 1% Py	2047	2.8	.02		
279.3-281.5	Hard dac-graphitic Tuff. banded at 10° To core.	2048	2.2	.005		
281.5-283.0	Graphitic Tuff. 50% Q.C. at 30° To core. 3% coarse Py. At ~~282~~ 282.6 ¼" grey Qtz. stringer cuts perpendicular to the 2" Qtz. vein & carries a patch of fine V.G. in clear grey Qtz.	2049	1.5	1.67	1.65	1.65 .98/8.1
283.0-284.0	70% Qtz vein stockwork in hard graphitic tuff. 7% coarse Py.	2050	1.0	.005		
284.0-285.6	Hard graphitic Tuff. A 3" Q.C. vein runs along core at 20°. 3% Py.	2051	1.6	.01		
285.6-288.6	Hard graphitic-dac. tuff. 3% Q.C. 1% Py.	2052	3.0	.02		
288.6-289.6	Grey Qtz vein about 60° To core, with 20% included graphitic tuff fragments 2% Py. with V.G. at 288.8 and 289.4. At 288.8 there is a speck of native silver about ½ mm. in diam. within 1mm. of several specks of V.G.	2053	1.0	5.20	5.43	5.39

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
289.6 - 290.6	Grey Qtz. Carb. vein. 5% graphitic Tuff fragments 10% coarse Py. looks good.	2054	1.0	.04		
290.6 - 293.0	Hard graphitic tuff. An irregular 1" Q.C. veins runs across the core 1% Py.	2055	3.0	.02		
293.0 - 295.0	60% Qtz. in veinlets that run at 60° to core, 4% Py.	2056	2.0	.005		
295.0 - 297.0	Graphitic Tuff. 40% Q.C. veins. 3% Py. A trace of chalco.	2057	2.0	Tr		
297.0 - 298.7	A Q C vein that runs at 60° to the core. 4% Py. in vein near edges.	2058	1.7	.005		
298.7 - 302.1	Graphitic - dac. tuff, hard, minor Q.C. minor Py.	2059	3.4	.01		
302.1 - 303.2	Grey Q.C. vein, 7% coarse Py. trace of chalco.	2060	1.1	.04		
303.2 - 305.7	Hard graphitic - dac. tuff, minor Q.C. 1% Py.	2061	2.5	.01		
305.7 - 306.7	White Qtz. vein at 40° to the core. 1% Py. near edges.	2062	1.0	Tr		

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PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 11 SECTION FROM ____ TO ____ STARTED 8

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
306.7 - 309.3	Hard graphitic Tuff. 10% Q.C. in veinlets at 60° - 70° to the core, 1% Py.	2063	2.6	.055		
309.3 - 311.2	White Qtz. carb. vein at 70° to the core. 4% coarse Py. at vein edge. Trace of chalco.	2064	1.9	Tr		
311.2 - 316.2	Hard graphitic tuff. Fairly banded at 15° - 20° to core. minor Q.C. minor Py.	2065	5.0	.005		
316.2 - 317.1	Qtz carb vein at 40° to core 4% coarse Py along vein edges.	2066	.9	.01		
317.1 - 322.2	Graphitic - dac. tuff. 30% Q.C. minor Py.	2067	5.1	.005		
322.2 - 325.5	Hard graphitic - dac. tuff. 5% Q.C. 1% Py.	2068	3.3	.005		
325.5 - 327.7	75% white Qtz in hard graphitic Tuff. 3% Py along vein edges.	2069	2.2	.035		
327.7 - 329.4	Hard graphitic - dac. tuff. With a 3" Qtz. vein at 30° to core. 3% Py.	2070	1.7	.005		
329.4 - 331.9	Hard graphitic - dac tuff. banded at 10° to core. A 3" Qtz vein along the core 2% Py.	2071	2.5	.055		

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
331.9 – 333.8	Hard graphitic Tuff. minor Q.C. minor PY	2072	1.9	.005		
333.8 – 335.8	White Qtz vein. 2% PY. along edge.	2073	2.0	.19	.17	
335.8 – 337.7	White Qtz vein, with 10% dk.	2074	1.9	.035		
	Grey carb. 3% massive crystals					
	of PY & traces of chalco.					
337.7 – 339.0	White Qtz. vein, with some PY.	2075	1.3	7.67	7.64	7.63
	along its contact ~~at~~ which runs					
	at 50° to the core, at 339.0'					
	At 338.5' a narrow grey Carb. fracture				1.25/7.4	
	that runs at 70° to the core					
	has about 20 fine pieces of					
	V.G. along that trend.					
339.0 – 340.8	Hard graphitic Tuff. minor Q.C.	2076	1.8	.03		
	1% PY.					
340.8 – 342.2	Hard graphitic Tuff with a 3" vuggy	2077	1.4	.035		
	Q.C. veinlet, 3% PY.					
342.2 – 344.4	Hard graphitic-dac. Tuff. minor	2078	2.2	Tr		
	Q.C. minor PY.					
344.4 – 347.8	Hard graphitic-dac. tuff banded at	2079	3.4	.005		
	20° To core; minor Q.C. minor PY.					

SIGNED 14

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 13 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
347.8 – 350.0	Hard graphitic tuff with white Qtz veinlets at 70° to core. 2% Py along edges.	2080	2.2	.015		
350.0 – 355.0	Dac. to And. tuff. ~~finely banded~~ along the core. minor Q.C. minor Py.	2081	5.0	.015		
355.0 – 356.5	And. tuff, a 1" Qtz carb. vein runs along the core. minor Py.	2082	1.5	Tr		
356.5 – 361.0	~~Andesitic tuff.~~ Andesitic tuff. minor Q.C minor Py. banded at 5°-10° to core.	2083	4.5	Tr		
361.0 – 365.5	Andesitic tuff. minor Q.C minor Py.	2084	4.5	Tr		
365.5 – 370.2	Andesitic tuff. minor Q.C minor Py	2085	4.7	Tr		
370.2 – 374.0	Andesitic tuff. minor Q.C minor Py.	2086	3.8	.005		
374.0 – 375.0	Andesitic tuff. A ½" Qtz Carb. vein that is vuggy and runs at 40° to core. Carries 3% Py.	2087	1.0	.055		
375.0 – 379.7	And. tuff. minor Q.C minor Py.	2088	4.7	.01		
379.7 – 382.2	Andesitic Tuff with a 1' section of Qtz epidote – Carb. minor Py.	2089	2.5	Tr		
382.2 – 387.2	Andesitic tuff. minor Q.C minor Py. banded at 15° to core.	2090	5.0	Tr		

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 14 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
387.2 - 392.2	Andesitic tuff. minor Q.C. minor PY.	2091	5.0	Tr		
392.2 - 396.2	Andesitic tuff, minor Q.C. minor PY.	2092	4.0	Tr		
396.2 - 399.0	Andesitic Tuff. minor Q.C. minor PY.	2093	2.8	Tr		
399.0 - 402.5	Andesitic tuff. minor Q.C. minor PY.	2094	3.5	Tr		
402.5 - 406.0	Slightly graphitic - Andesitic tuff. 3% Q.C. 1% PY.	2095	3.5	Tr		
406.0 - 409.2	Slightly graphitic Andesitic tuff 5% Q.C. 1% PY.	2096	3.2	0.02		
409.2 - 411.5	A milky white Qtz. vein with contacts at 50° & 70° to core, 2% coarse PY. Concentrated at edges of vein. Traces of Chalco.	2097	2.3	Tr		
411.5 - 412.9	Hard Graphitic tuff. 10% Q.C. in Stringers. 3% PY.	2098	1.4	Tr		
412.9 - 414.2	A Qtz. Carb vein 5% inclusions of Graphitic tuff. 3% PY. Contacts at 40° & 50° to core.	2099	1.3	Tr		
414.2 - 415.7	Qtz. carb vein, 5% included graphitic tuff fragments. 3% ~~Q.C.~~ PY. at vein edge.	2100	1.5	Tr		
415.7 - 417.8	Hard graphitic tuff 50% Q.C. 5% PY.	2101	2.1	Tr		

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 15 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
417.8 – 419.5	Hard graphitic tuff. 25% Q.C. 5% Py.	2102	1.7	.005		
419.5 – 421.5	Hard graphitic tuff. 30% Q.C. in veinlets + stringers. 3% Py.	2103	2.0	.005		
421.5 – 423.4	Hard graphitic tuff. 15% Q.C. 2% Py.	2104	1.9	Tr		
423.4 – 425.2	60% Q.C. in hard graphitic tuff. 7% coarse Py.	2105	1.8	Tr		
425.2 – 427.6	Hard graphitic tuff. 5% Q.C. 1% Py.	2106	2.4	.005		
427.6 – 432.3	Andesitic tuff bedded at 15°-20° to core, 3% Q.C., 1% Py.	2107	4.7	Tr		
432.3 – 437.0	Andesitic tuff. minor Q.C. slightly vuggy. 1% Py.	2108	4.7	Tr		
437.0 – 438.3	Andesitic tuff. An 8" white Qtz. vein with contacts at 60° to core. 5% coarse Py.	2109	1.3	Tr		
438.3 – 439.6	Andesitic tuff minor Q.C. 1% Py.	2110	1.3	Tr		
439.6 – 440.8	And. Tuff 30% Q.C veinlets at 60° to core, 3% Py.	2111	1.2	Tr		
440.8 – 443.0	And. tuff. 7% Qtz. in vuggy stringers 10% massive Py.	2112	2.2	Tr		
443.0 – 444.8	And. tuff, minor Q.C minor Py.	2113	1.8	Tr		
444.8 – 446.2	A milky white Qtz. vein. Contact at 60° to core. 2% Py.	2114	1.4	.03		

DRILLED BY ____ SIGNED ____

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 16 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
446.2 – 448.7	And. tuff. minor Q.C 1% Py.	2115	2.5	Tr		
448.7 – 450.4	And. Tuff. A 2" Qtz. Carb. vein at 60° to core, minor Py.	2116	1.7	.025		
450.4 – 452.7	And. tuff, minor Q.C. minor Py.	2117	2.3	.005		
452.7 – 453.5	And. Tuff. A 3" Qtz. Carb. vein at 60° to core ½%. Py.	2118	.8	.01		
453.5 – 456.2	And. tuff. minor Q.C. minor Py.	2119	2.7	Tr		
456.2 – 461.0	A greenish And. tuff. 3% Q.C ½%. Py.	2120	4.8	.02		
461.0 – 465.8	A greenish And. tuff. minor Q.C minor Py.	2121	4.8	Tr		
465.8 – 470.8	A greenish And. tuff. minor Q.C. minor Py.	2122	5.0	Tr		
470.8 – 475.8	A greenish And. tuff, minor Q.C minor Py	2123	5.0	Tr		
475.8 – 480.8	A greenish And. tuff. minor Q.C. minor Py.	2124	5.0	Tr		
480.8 – 485.8	A greenish And. tuff. minor Q.C. minor Py.	2125	5.0	Tr		
485.8 – 490.5	A greenish And. tuff. minor Q.C. minor Py.	2126	4.7	.025		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 17 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
490.5 - 495.0	Greenish And. tuff. minor Q.C. minor Py.	2127	4.5	.005		
495.0 - 500.0	Dac. Tuff. minor Q.C. minor Py.	2128	5.0	Tr		
500.0 - 504.6	Dac. Tuff. minor Q.C. minor Py.	2129	4.6	Tr		
504.6 - 507.4	Dac. Tuff. 10% Q.C. in veinlets 1% Py.	2130	2.8	Tr		
507.4 - 509.5	Slightly graphitic Tuff. 20% Q.C. Qtz looks barren.	2131	2.1	Tr		
509.5 - 512.4	Slightly graphitic Tuff. minor Q.C. minor Py.	2132	2.9	Tr		
512.4 - 513.6	Slightly Graphitic Tuff. 40% barren looking Qtz. carb. veins.	2133	1.2	Tr		
513.6 - 518.6	Slightly Graphitic Tuff. 5% Q.C. 1% Py.	2134	5.0	.005		
518.6 - 520.8	Slightly Graphitic Tuff. 30% barren looking Q.C. minor Py.	2135	2.2	Tr		
520.8 - 522.1	Graphitic Tuff. minor Q.C. minor Py.	2136	1.3	Tr		
522.1 - 524.5	Graphitic tuff 20% barren looking Q.C. 2% Py. in tuff.	2137	2.4	Tr		
524.5 - 526.4	80% barren looking Qtz. veins with 20% chloritic - graphitic tuff.	2138	1.9	Tr		
526.4 - 530.0	Graphitic Tuff. 10% Q.C. minor Py.	2139	3.6	Tr		

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-14

SHEET NUMBER	18	SECTION FROM	TO	STARTED	
LATITUDE		DATUM		COMPLETED	
DEPARTURE		BEARING		ULTIMATE DEPTH	
ELEVATION		DIP		PROPOSED DEPTH	

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
455.0 – 494.0	Dk. greenish And. tuff, finely banded at 15° to the core, relatively barren of Q.C. and Py. mineralization					
494.0 – 507.5	Finely banded dacitic rock, greenish to greyish, agglomeritic appearance but probably a sheared breccia texture banded at 15° to 20° to the core.					
507.5 – 549.0	Slight to med. graphitic tuff. Dk greyish banded at 20° to the core. It carries 15% Qtz. & Qtz. Carb. veins and stringers most of these are at 40°–60° to the core pyritic mineralization is not strong & it totals about ½ % Py.					
549.0 – 569.0	Tuff with about 20% injected talc some slight carb. alt'n. The bedding is at 25°–35° to the core.					

DRILLED BY ______ SIGNED ______

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-14

SHEET NUMBER 19 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
530.0 - 532.7	Graphitic Tuff, minor Q.C. minor PY.	2140	2.7	.005		
532.7 - 534.0	Graphitic tuff. 40% barren looking Q.C.	2141	1.3	Tr		
534.0 - 536.0	Graphitic Tuff 5% Q.C. minor PY.	2142	2.0	Tr		
536.0 - 538.8	Graphitic Tuff. 25% barren looking Q.C. minor PY.	2143	2.8	Tr		
538.8 - 540.6	Graphitic tuff minor Q.C. minor PY.	2144	1.8	Tr		
540.6 - 542.3	Graphitic Tuff 25% Q.C. looks barren.	2145	1.7	Tr		
542.3 - 545.5	Graphitic Tuff, minor Q.C. minor PY	2146	3.2	Tr		
545.5 - 547.4	Graphitic Tuff. 30% barren looking Q.C. minor PY.	2147	1.9	Tr		
547.4 - 549.5	Talcose tuff, highly chloritic, 20% Qtz. & calcite.	2148	2.1	Tr		

DRILLED BY ____ SIGNED ____

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-14

SHEET NUMBER 20
SECTION FROM ____ TO ____
STARTED ____
LATITUDE ____
DATUM ____
COMPLETED ____
DEPARTURE ____
BEARING ____
ULTIMATE DEPTH ____
ELEVATION ____
DIP ____
PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
569.0-648.0	Talcose peridotite, altered but equi-granular texture is recognizable some well developed spinifex texture that is the trademark of peridotites occurs at 609.0' & 615.0'					
	END of Hole 648.0'					

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15

SHEET NUMBER 1	SECTION FROM ____ TO ____	STARTED Sept. 19, 1981
LATITUDE 0+42' N	DATUM 1000'	COMPLETED Sept 20, 1981
DEPARTURE 37+00E	BEARING N. 60° W.	ULTIMATE DEPTH 160.0'
ELEVATION 1000'	DIP Collar – 65°	PROPOSED DEPTH

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0 – 160.0	Casing in overburden Clay down to 92' then several large bolders were drilled through. The B.Q casing rods became jammed + could not be continued. The casing was blasted at 130' and the NX + BQ casing recovered.					
	END of Hole 160.0'					

DRILLED BY Norex D.D. Co. 81-15 SIGNED C. J. Kueyluw

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 1 SECTION FROM ____ TO ____ STARTED Sept 21. 1981

LATITUDE 0+45N DATUM ____ COMPLETED Sept 26. 1981

DEPARTURE 37+04E BEARING N 60° W ULTIMATE DEPTH 1187.0

ELEVATION 1000' DIP Collar -65° @200' - 63½° @400' - 56½° @600' - 54½ @800' - 58° @1000 - 56½° @1187 - 54½° PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0 - 175.0	Casing in overburden Clay to 190'					
190 - 170	Overburden consists of sand & gravel.					
170 - 175	Casing in bedrock.					
175 - 321.0	Black argillite, finely banded. With the banding undulating from 0-10° to the core. The rock consists of 90% black carbonaceous sediment that almost resembles a slate. 5-10% of the rock consists of lighter coloured silty bands & 2-4% large crystals of PY. that wedge across the bedding.					
321.0 - 323.1	The core cuts through an arcuate bulge of the tuff contact with argillite. Its contacts are at 10° + 30° to core.					
323.1 - 367.0	Argillite with minor inclusions of tuffaceous bands. The bedding runs at 0-10° to the core.					

DRILLED BY Moses D D Co 81-15A SIGNED C J Kueffner 81-15

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 2
SECTION FROM ____ TO ____
STARTED ____
LATITUDE ____
DATUM ____
COMPLETED ____
DEPARTURE ____
BEARING ____
ULTIMATE DEPTH ____
ELEVATION ____
DIP ____
PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
195. - 196.0	A Qtz. vein, looks barren, except for a speck of chalco & some Py. along the edges.	2149	1.0	Tr		
197.0 - 199.5	A Qtz. vein at 200 to core, glassy. Looks barren.	2150	2.5	Tr		
200.4 - 201.5	A Qtz. vein, glassy, looks barren except for Py. along its contacts.	2151	1.1	Tr		
205.0 - 207.6	A Qtz. vein, glassy, looks barren, except for minor Py. in inclusions of argillite.	2152	2.6	Tr		
216.3 - 218.0	Argillite with 20% glassy Qtz. veins along the bedding. Minor pyrite.	2153	1.7	Tr		
231.0 - 231.8	Argillite. A streak of massive Py. along the bedding, a ½" thick runs at 15° to the core.	2154	.8	.01		
252.5 - 254.0	A 1" Qtz. vein that looks glassy & barren runs along the core at 10°.	2155	1.5	.005		
321.0 - 323.1	A band of Tuffen argillite that runs along ¾ of the core. Contacts at 10° & 20° to core forming an arc of Tuff in the core. 5% Q.C. 4% Py.	2156	2.1	.005		

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DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 51-15A

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
367.0 – 410.0	Dacitic Tuff. Lt greenish grey, bedded at 5-10° to the core, with minor Q.C. Alteration + Pyrite mineralization. One Qtz Carb. Streak that runs along the core + is about ½" wide, Carries considerable (1%) Sphalerite mineralization. The sphalerite is a clear resinous-brown. The Argillite Tuff contact is marked by a ½" Qtz-Graphite seam at 11° to the core.					
410.0 – 502.0	Dk greenish And Tuff finely banded Qtz Carb + Py mineralization is relatively rare. The bedding runs at 5-10° to the core.					
502.0 – 581.0	Dacite to Andesite tuff. Lt greenish finely banded at 10° to the core. Some shearing along the bedding gives an agglomerate like appearance to the Dacite-Andesite Tuff.					

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 4 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
323.1 - 327.3	Argillite 10% Q.C stringers 3% PY.	2157	4.2	Tr		
327.3 - 329.3	70% Qtz in argillite. 4% coarse PY.	2158	2.0	Tr		
330.0 - 332.2	Argillite. 20% Q.C. 4% PY.	2159	2.2	.005		
332.2 - 333.2	70% Qtz carb vein stockwork in argillite, 5% PY.	2160	1.0	Tr		
333.2 - 336.0	Argillite 15% Qtz. carb. stringers along the core. 3% PY.	2161	2.8	Tr		
339.0 - 341.5	Argillite with some mixed tuff. 10% Qtz. carb. 3% PY.	2162	2.5	Tr		
359.0 - 363.5	Graphitic argillite. 10% wispy Q.C stringers 7% PY bands along the bedding.	2163	4.5	.005		
363.5 - 367.0	Graphitic argillite 10% wispy Q.C. stringers 3% PY. in bands.	2164	3.5	.005		
		2165	4.0	Tr		
367.0 - 371.0	Dacitic Tuff. Banded at 10°-15° to core 5% Q.C. " 4% PY.					
371.0 - 376.0	Tuff, minor Q.C 2% PY.	2166	5.0	Tr		
376.0 - 381.0	Dac. Tuff minor Q.C 1% PY.	2167	5.0	Tr		
381.0 - 382.0	A 9" Qtz. vein that cuts across the bedding at 60° to core. It carries 10% coarse PY. (looks good.)	2168	1.0	.01		

DRILLED BY ____ SIGNED ____

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 31-15A

SHEET NUMBER 5 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
382.0 - 385.0	Dac Tuff. 10% Q.C. largely one irreg. Q.C. stringer that runs along the bedding + along the core. It carries 1-2% resinous brown sphalerite. 2% PY.	2169	3.0	Tr		
385.0 - 389.0	Dacite, minor Q.C. ½% PY.	2170	4.0	.005		
389.0 - 392.0	Dacitic Tuff, minor Q.C. minor PY	2171	3.0	.005		
392.0 - 394.5	Dacitic Tuff, 30% irreg. grey Carb. runs partly along the core + carries 2% resinous brown sphalerite + 1% PY. (Assay for gold, silver, + zinc)	2172	2.5	Tr		
394.5 - 399.5	Dacitic Tuff, 3% Q.C. 1% PY.	2173	5.0	Tr		
399.5 - 404.3	Dacitic Tuff, bedded along the core, 5% Q.C. 1% PY.	2174	4.8	Tr		
404.3 - 409.0	Dacitic Tuff looks aglomeritic, minor Q.C. minor PY.	2175	4.7	Tr		
409.0 - 414.0	And. tuff minor Q.C. ½% PY.	2176	5.0	Tr		
414.0 - 419.5	And. tuff minor Q.C. minor PY.	2177	5.5	Tr		
419.5 - 424.3	And tuff. minor Q.C. minor PY.	2178	4.8	Tr		
424.3 - 429.5	And. tuff minor Q.C. minor PY.	2179	5.2	Tr		

DRILLED BY ____ SIGNED ____

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 6
SECTION FROM ______ TO ______
STARTED ______
LATITUDE ______
DATUM ______
COMPLETED ______
DEPARTURE ______
BEARING ______
ULTIMATE DEPTH ______
ELEVATION ______
DIP ______
PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
429.5 - 430.2	A 1" Qtz. Carb. vein runs across	2180	.7	.12	.14	
	the core at 70° it carries 3% Py.					.09/3.1
430.2 - 431.9	Slightly silicified And. tuff. 2% Py.	2181	1.7	.085		
431.9 - 432.6	And. Tuff. with a 3" Qtz vein that	2182	.7	.06		
	runs across the core at 80°. 3% Py					
432.6 - 439.3	And. Tuff. minor Q.C. minor Py.	2183	6.7	.005		
439.3 445.0	And Tuff minor Q.C. ½% Py.	2184	5.7	Tr		
445.0 - 449.5	And. tuff minor QC minor Py.	2185	4.5	Tr		
449.5 - 454.4	And. tuff. minor QC minor Py.	2186	4.9	Tr		
454.4 459.4	Andesitic Tuff minor QC minor Py.	2187	5.0	Tr		
459.4 - 464.0	And. Tuff. minor QC. minor Py.	2188	4.6	Tr		
464.0 - 469.8	And. Tuff minor Q.C. minor Py.	2189	5.8	Tr		
469.8 - 474.6	And. Tuff minor QC minor Py.	2190	4.8	Tr		
474.6 - 478.4	And. Tuff minor Q.C. minor Py.	2191	3.8	Tr		
478.4 - 483.2	And. Tuff. minor QC minor Py.	2192	4.8	Tr		
483.2 - 487.0	And. Tuff. minor QC minor Py.	2193	3.8	Tr		
487.0 - 487.9	And tuff. A 3" Q.C vein runs across	2194	.9	Tr		
	the core at 55° 2% Py.					
487.9 - 492.7	And tuff. minor Q.C. minor Py.	2195	4.8	Tr		
492.7 - 497.5	And tuff. minor QC 1% Py.	2196	4.8	Tr		
497.5 - 500.7	And tuff. minor QC. 1% Py.	2197	3.2	Tr		

DRILLED BY ______ SIGNED ______ 18

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-15A

SHEET NUMBER 7	SECTION FROM	TO	STARTED		
LATITUDE	DATUM		COMPLETED		
DEPARTURE	BEARING		ULTIMATE DEPTH		
ELEVATION	DIP		PROPOSED DEPTH		

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
500.7 - 502.3	A 2" Qtz. carb. vein runs along the bedding at about 10° to the core. minor Py.	2198	1.6	.01		
502.3 - 507.2	Dac. And. tuff. 5% Q.C. minor Py.	2199	4.9	Tr		
507.2 - 508.2	Dac. - And. Tuff. A 1" Qtz. carb. cross fracture at 60° to core, 1% Py.	2200	1.0	Tr		
508.2 - 511.7	Dac. - And. tuff. minor Q.C. minor Py.	2201	3.5	.005		
511.7 - 515.0	Dac. - And. tuff. 3% Q.C. 1% Py.	2202	3.3	Tr		
515.0 - 515.8	Dac. - And. tuff. A 2" Qtz. carb vein cuts across the core at 70° ½% Py.	2203	.8	Tr		
515.8 - 522.0	Dac. - And. Tuff. minor Q.C. minor Py	2204	6.2	Tr		
522.0 - 526.7	Dac. - And. Tuff. minor Q.C. minor Py.	2205	4.7	Tr		
526.7 - 531.5	Dac. - And. tuff. minor Q.C. minor Py.	2206	4.8	Tr		
531.5 - 536.2	Dac. - And. tuff. minor Q.C. minor Py.	2207	4.7	Tr		
536.2 - 537.4	Dac. - And. Tuff. highly contorted bedding. A 1" Qtz. carb. vein runs across the core at 60° 1% Py.	2208	1.2	Tr		
537.4 - 541.0	Dac. - And. Tuff minor Q.C. minor Py	2209	3.6	Tr		
541.0 - 546.0	Dac. - And. Tuff minor Q.C. minor Py	2210	5.0	Tr		
546.0 - 551.0	Dac. - And. tuff minor Q.C. minor Py.	2211	5.0	Tr		
551.0 - 556.0	Dac. - And. Tuff. minor Q.C. minor Py.	2212	5.0	Tr		
556.0 - 570.0	Dac. - And. Tuff. minor Q.C. minor Py.	2213	4.0	.005		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. **HOLE NO.** 81-15A

SHEET NUMBER 8 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
560.0-561.0	Dac. - And. tuff. Two 2" Qtz Carb. veinlets run across the core at 50°. 5% coarse PY. concentrated at vein edges.	2214	1.0	.01		
561.0-566.0	Dac. - And. Tuff minor Q.C minor PY.	2215	5.0	.005		
566.0-570.7	Dac. - And. Tuff, minor Q.C. 1% PY.	2216	4.7	Tr		
570.7-575.5	Dac. - And. tuff. minor Q.C. minor PY	2217	4.8	Tr		
575.5-580.0	Dac. - And tuff, minor Q.C. minor PY.	2218	5.0	Tr		
580.0-583.5	Slightly graphitic Tuff. minor Q.C. minor PY.	2219	3.5	Tr		
583.5-586.5	Slightly graphitic tuff. minor Q.C. 1% PY cubes.	2220	3.0	Tr		
586.5-590.5	Graphitic Tuff. minor Q.C 2% coarse PY cubes	2221	4.0	Tr		
590.5-593.0	Graphitic tuff 30% grey Qtz Carb 2% PY cubes.	2222	2.5	Tr		
593.0-594.2	Glassy Qtz vein with some pink calcite. Contacts at 25° to core. looks barren.	2223	1.2	Tr		
594.2-597.0	Graphitic tuff. Grey Qtz. Carb. with pink calcite that runs along core bedding. minor PY.	2224	2.8	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
581.0 - 591.0	Slightly Graphitic Tuff. Highly contorted with some large cubes of Py. Resembles argillite. The Rock from 579.0 - 583.0 is rusty + crumbly rotten rock that may indicate the presence of a fault zone.					
591.0 - 601.0	Partly graphitic Tuff. 20% pink calcite with white Qtz carb. that generally follows along the contorted bedding which averages about 10° to the core axis.					
601.0 - 606.0	Dac. to And. Tuff. Some grey Qtz Carb. & a few cubes of Pyrite.					
606.0 - 611.0	Graphitic Tuff. 30% Qtz carb. with pink calcite that follows along the core at 10°-15° with the bedding.					
611.0 - 654.0	Dac. Tuff. Lt. greenish grey. finely banded at 5-20°. Some contortions in the bedding. A fragmental agglomerate like appearance. Minor Qtz carb. + minor Py.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 51-15A

SHEET NUMBER 10 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
597.0-601.3	Graphitic Tuff 15% Q.C. along the bedding which is at 10° to core axis 8% PY along bands.	2225	4.3	.005		
601.3-604.7	Dac. Tuff minor Q.C. 1% PY cubes.	2226	3.4	Tr		
604.7-606.4	Dac. Tuff 30% barren Grey Qtz. Carb.	2227	1.7	Tr		
606.4-608.6	Graphitic Tuff 20% Q.C along the bedding 2% PY. along bands	2228	2.2	.015		
608.6-611.3	Graphitic tuff 30% Q.C with pink Calcite that follows the bedding 3% coarse PY.	2229	2.7	.015		
611.3-613.6	Dac. tuff minor Q.C. ½% PY.	2230	2.3	Tr		
613.6-619.0	Dac. Tuff minor Q.C ½% PY.	2231	5.4	Tr		
619.0-624.0	Dac Tuff minor Q.C. 1% PY.	2232	5.0	Tr		
624.0-628.0	Dac Tuff minor Q.C. minor PY.	2233	4.0	Tr		
628.0-633.0	Dac Tuff minor Q.C 1% PY.	2234	5.0	Tr		
633.0-637.8	Dacite-agg. Tuff 5% Q.C ½% PY.	2235	4.8	Tr		
637.8-642.6	Dacite-agg. Tuff minor Q.C ½% PY.	2236	4.8	Tr		
642.6-647.5	Dacite-agg. tuff, minor Q.C ½% PY	2237	4.9	Tr		
647.5-652.0	Dacite-agg. tuff minor Q.C minor PY.	2238	4.5	Tr		
652.0-656.0	Dacite-tuff, pink Calcite in fractures, vuggy + barren.	2239	4.0	Tr		

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15-?

SHEET NUMBER 11 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au	ASSAY VALUES	
654.0 - 673.0	Dacitic tuff lt-greenish grey, agglomerate like texture in part, highly fractured in a recent fault zone ~~the~~ with the fractures filled by pink calcite. pyritic mineralization is absent.					
673.0 - 701.0	Dacitic tuff. lt. greenish to buff greenish grey. finely banded at 10°-15° to the core. Contact at 701.0 is about 15° to the core. Generally barren of Qtz. carb. + Py.					
701.0 - 734.0	Dacite to Andesite tuff. Finely banded at 10°-20° to core. Epidotized brecciated fragments occur as agglomerate-like fragments included in the banded tuffs. Sulphide mineralization is minor but pyrrhotite is dominate over pyrite. (note: The proximity of the Talc-peridotite intrusion exerts an alteration influence.					

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
656.0 - 660.0	Dacite tuff, vuggy pink calcite in fracture network - barren.	2240	4.0	Tr		
660.0 - 661.5	Dacitic tuff, vuggy pink calcite in fractures, barren.	2241	4.5	Tr		
661.5 - 669.0	Dacitic tuff, vuggy pink calcite in fractures, barren.	2242	4.5	Tr		
669.0 - 671.3	Dacitic tuff with pink calcite fractures 1% Py	2243	2.3	.02		
671.3 - 672.3	An 8" Qtz - pink calcite vein at 30° to core. looks barren.	2244	1.0	.005		
672.3 - 678.3	Dacite - agg. tuff minor Q.C minor Py	2245	6.0	Tr		
678.3 - 683.2	Dacite - agg tuff minor Q.C minor Py.	2246	4.9	Tr		
683.2 - 688.0	Dacite - agg. tuff minor Q.C minor Py.	2247	4.8	Tr		
688.0 - 692.8	Dacite - agg. tuff minor Q.C minor Py.	2248	4.8	Tr		
692.8 - 697.5	Dacite - tuff 5% Q.C Stringers minor Py.	2249	4.7	Tr		
697.5 - 702.3	Dacite - tuff minor Q.C minor Py.	2250	4.8	Tr		
702.3 - 707.0	Dacite, tuff fragmented agg. appearance some patches of strong epidotization.	2251	4.7	.005		
707.0 - 712.0	Epidotized Tuff. minor PO. minor Q.C.	2252	5.0	Tr		
712.0 - 717.0	Epidotized tuff 1% PO. minor Q.C.	2253	5.0	Tr		
717.0 - 722.0	Epidotized Tuff minor PO. minor Q.C.	2254	5.0	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-151

SHEET NUMBER 13 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
722.0 727.0	Epidotized Tuff 3% Q.C. minor PO. & a narrow streak of Sphalerite	2255	5.0	Tr		
727.0 – 732.0	Epidotized tuff minor Q.C. 1% PY. ½% PO.	2256	5.0	Tr		
732.0 – 736.8	Epidotized Tuff minor Calcite 1% PY.	2257	4.8	Tr		
736.8 – 741.6	Dacite – And. Tuff. Some calcite fractures 3% PY. as dissem'd cubes.	2258	4.8	Tr		
741.6 – 746.5	Dac. – And. Tuff minor calcite. 2% PY. as dissem'd cubes.	2259	4.9	Tr		
746.5 – 751.5	Dac. – And. tuff 5% QC 1% dissem PY.	2260	5.0	Tr		
751.5 – 756.3	Dac. – And. tuff. minor QC 1% PY.	2261	4.8	Tr		
756.3 – 761.1	Dac. – And. Tuff minor QC minor PY.	2262	4.8	Tr		
761.1 – 766.0	Dac. – And. tuff. minor QC. minor PY.	2263	4.9	Tr		
766.0 – 770.8	Tuff. 5% Q.C. 1% PY.	2264	4.8	Tr		
770.8 – 773.1	Tuff 15% Qtz calcite. 1% PY.	2265	2.3	.115		
773.1 – 775.6	Slightly graphitic tuff. 30% Qtz carb. veinlets. Flat vein at 40° to core 4% PY.	2266	1.5	.02		
775.6 – 777.8	Slightly graphitic Tuff 15% Q.C. veinlets 2% PY.	2267	2.2	.035		
777.8 – 781.8	Slightly graphitic Tuff 5% QC 2% PY.	2268	4.0	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 14 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
734.0 - 765.0	Dacitic Tuff, finely banded at 10°-15° to the core. The colour is buff greenish-grey & the Py is dissem'd throughout. Qtz. carb. mineralization is minor.					
765.0 - 788.0	Slightly graphitic Tuff. finely banded at 15-30° to the core. 15% Qtz. carb. veinlets, 1-3% Py.					
788.0 - 847.0	Andesitic Tuff, finely banded at 20° to the core. It is composed of a greenish amphibolitic bands alternating with lighter coloured grey feldspathic bands. It is traversed by about 5% Qtz carb. stringers that carry heavy dissem. Py. traces of chalco with a speck of V.G. in a ½" Qtz. carb. veinlet at 791.6.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 15 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
781.8 – 783.8	Slightly graphitic tuff. 40% Q.C. 1% Py.	2769	2.0	.055		
783.8 – 785.3	Graphitic – And. tuff. 3% Q.C. 5% Py.	2770	1.5	.04		.03
785.3 – 787.8	Graphitic – And Tuff. 5% QC 4% Py.	2771	2.5	.03		
787.8 – 791.3	Graphitic – And. Tuff 5% Q.C. 3% Py.	2772	3.5	.01		
791.3 – 792.1	And. tuff 10% Qtz. Carb. as irreg. 1" stringers with heavy dissem'd Py. At 791.6 there is a patch of fine V.G. in the Q.C. stringer.	2773	0.8	.085		
792.1 – 793.8	And. tuff 10% QC in stringers 5% Py. in streaks along the bedding.	2774	1.7	.005		
793.8 – 795.5	And. tuff. 5% QC / 5% Py. Streaks	2775	1.7	Tr		
795.5 – 799.0	And. tuff. Slightly graphitic, minor QC 5% Py. / streaks.	2776	3.5	.005		
799.0 – 801.0	And. Tuff. 5% Q.C. 4% Py. a trace of Chalco.	2777	2.0	.025		
801.0 – 804.3	And tuff. minor Q.C. 3% dissem Py.	2778	3.3	.005		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 16 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
804.3-808.9	And tuff, 3% Q.C. minor PY.	2279	4.6	.005		
~~808.9-813.7~~	bedded at 20-25° to core					
808.9-813.7	And. Tuff. minor Q.C. ½% PY.	2280	4.8	.005		
813.7-817.0	And. Tuff. bedding undulates along	2281	3.3	.025		.05
	the core. minor Q.C. 2% PY.					6.8
817.0-818.8	And. Tuff. minor Q.C. 3% PY.	2282	1.8	.115		
818.8-820.5	And. Tuff. 5% Q.C. 4% PY.	2283	1.7	.04		
820.5-823.4	And. Tuff. minor Q.C. 2% PY	2284	2.9	.005		
823.4-827.2	And. tuff. 3% Q.C. 1% PY.	2285	3.8	Tr		
827.2-829.2	And. Tuff 25% Q.C in stockwork	2286	2.0	.01		
	1% course PY.					
829.2-831.7	And. Tuff. 3% Q.C. 4% PY.	2287	2.5	.035		
~~831.7~~-	bedding at 0-10° to core	~~2288~~				
831.7-835.0	And. tuff. minor Q.C. 1% PY.	2288	3.3	.005		
835.0-838.2	And. tuff minor Q.C. 3% PY.	2289	3.2	.005		
	bedding at 0-10° to core.					
838.2-839.9	And. tuff 3% Q.C. 5% PY.	2290	1.7	.11		.07
839.9-840.8	And. Tuff. a 1" Qtz. vein inset	2291	.9	.045		2.6
	10° to core. It carries 10% course PY.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 17 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
840.8 – 843.0	And. Tuff. 7% Q.C. along the core. 7% coarse PY.	2292	2.2	.125		
843.0 – 847.8	And. Tuff. minor Q.C. 1% PY.	2293	4.8	.01		
847.8 – 852.5	And. tuff. minor Q.C. minor PY.	2294	4.7	Tr		
852.5 – 857.3	And. Tuff. minor Q.C. minor PY. bedded at 0-10° to core.	2295	4.8	.005		
857.3 – 862.0	And. Tuff minor Q.C. 2% PY.	2296	4.7	.01		
862.0 – 866.8	And. tuff minor Q.C. 1% PY.	2297	4.8	Tr		
866.8 – 871.6	And. tuff. minor Q.C. minor PY. bedded along the core.	2298	4.8	Tr		
871.6 – 876.0	And. tuff, minor Q.C. minor PY.	2299	4.4	.005		
876.0 – 879.3	And. tuff. minor Q.C. minor PY.	2300	3.3	Tr		
879.3 – 880.7	And. tuff. 10% Qtz. with pink calcite – barren.	2301	1.4	.005		
880.7 – 881.7	And. tuff. 20% barren pink Calcite with glassy Qtz. along one side of the core.	2302	1.0	Tr		
881.7 – 883.5	And tuff minor Q.C. minor PY.	2303	2.8	Tr		
883.5 – 886.2	Pink Calcite with some glassy Qtz. looks barren.	2304	2.7	Tr		
886.2 – 890.0	And. Tuff. blocky, rusty & vuggy. fault zone.	2305	3.8	Tr		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 18 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH		Au ASSAY VALUES	
847.0 - 893.5	And. Tuff. partly bedded along the core at 0-10° with some lenses [illegible] pink calcite with glassy Qtz. that occurs on either side of a fault zone. at 889-890. Pyritic mineralization is min.					
893.5 - 900.0	And. Tuff. finely banded pyritic with heavier pyrite. The banding abruptly changes to 25°-30° to the core axis, on the other side of the fault at 890'					
900.0 - 946.5	And. tuff. slightly graphitic & becomes strongly graphitic at 912.0 - 935.0 where it carries 5-10% Qtz. Carb in a vein stockwork. with 2% -5% pyrite. The bedding occurs at 20° -30° to the core. This appears to represent a mineralized, structural zone.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 19 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
890.0 891.8	And. tuff bedded at 30° to core 3% Q.C. 2% PY.	2306	1.8	.005		
891.8 - 893.0	Pink Calcite - glassy Qtz. vein along bedding at 35° minor PO. + [illegible] PY.	2307	1.2	Tr		
893.0 - 894.7	And. tuff. 7% Q.C. stringers. 1% PY.	2308	1.7	.005		
894.7 - 900.2	And. tuff. amphibolitic, banded at 25° to core 3% Q.C 2% PY.	2309	5.5	.005		
900.2 - 905.0	And. tuff. 3% Q.C. 2% PY.	2310	1.8	.005		
905.0 - 909.4	And. tuff. 3% Q.C. 1% PY.	2311	4.4	Tr		
909.4 - 913.0	And. tuff. Slightly graphitic 3% Q.C 3% PY.	2312	3.6	Tr		
913.0 - 915.6	Graphitic Tuff. 10% Q.C. 5% PY.	2313	2.6	.005		
915.6 - 919.0	Graphitic Tuff. 10% Q.C. 4% PY.	2314	3.4	.005		
919.0 - 920.7	Graphitic Tuff. 10% Q.C. 7% PY.	2315	1.7	.005		
920.7 - 923.8	Graphitic Tuff. 3% Q.C. 3% PY.	2316	3.1	.03		
923.8 - 925.8	Graphitic Tuff. 25% Q.C. stockwork 5% PY.	2317	2.0	.005		
925.8 - 928.8	Graphitic Tuff. 15% Q.C. stockwork. 4% PY.	2318	3.0	.02		

DRILLED BY ____ SIGNED ____

15-

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 20 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
928.8 – 932.2	Graphitic Tuff 5% Q.C. 4% Py.	2319	3.4	.045		
932.2 – 935.0	Graphitic Tuff 5% Q.C. 3% Py.	2320	2.8	.005		
935.0 – 938.6	Graphitic Tuff 30% Q.C. 3% Py.	2321	3.6	.025		
938.6 – 940.4	Graphitic Tuff 10% Q.C. 7% Py.	2322	1.8	.005		
940.4 – 943.6	Graphitic Tuff minor Q.C. 3% Py.	2323	2.8	.06		
943.6 – 946.0	Graphitic Tuff 5% Q.C. 4% Py.	2324	2.4	.015		
946.0 – 950.0	Andesitic Tuff, minor Q.C. 1% Py.	2325	4.0	Tr		
950.0 – 953.5	And. tuff. minor Q.C. minor Py.	2326	3.5	Tr		
953.5 – 957.7	And. tuff minor Q.C. minor Py.	2327	4.2	Tr		
957.7 – 959.2	60% Q.C. with some pink Calcite 2% Py.	2328	1.5	Tr		
959.2 – 963.0	And. tuff 5% Q.C. minor Py.	2329	4.8	Tr		
963.0 – 964.5	And. tuff. with a 6" dk. grey Qtz carb. band. 3% Py.	2330	1.5	.02		
964.5 – 967.7	And. tuff. 3% Q.C. 1% Py.	2331	3.2	.01		
967.7 – 972.5	And. tuff. with a rusty, blocky Alteration fault at 968.0 – 970.8 minor Q.C. minor Py.	2332	4.8	Tr		
972.5 – 977.0	And. tuff. Dk. greenish, minor Q.C. & minor Py.	2333	4.5	Tr		
977.0 – 981.8	Dk. green And. tuff minor Q.C. minor Py.	2334	4.8	Tr		

DRILLED BY ____ SIGNED ____

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 21 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
981.8 - 986.6	And. tuff - Dk green, barren.	2335	4.8	Tr		
986.6 - 991.3	And. tuff. Dk green, 10% Qtz. sericite barren.	2336	4.7	Tr		
991.3 - 995.8	And tuff. Dk. green 10% Qtz sericite, barren	2337	4.5	.02		
995.8 - 998.6	And. tuff. Slightly Graphitic 7% Q.C. 3% PY.	2338	2.8	.12		.06 / 11.1
998.6 - 1000.4	And. tuff 7% Q.C. along bedding at 25° to core. 4% PY.	2339	1.8	.105		
1000.4 - 1002.4	And. tuff. 7% Q.C. 4% PY.	2340	2.0	.02		
1002.4 - 1004.4	And tuff. Dk. greenish minr. Q.C. 2% PY	2341	2.0	.005		
1004.4 - 1005.6	60% Q.C. vein stockwork. 5% coarse PY.	2342	1.2	Tr		
1005.6 - 1008.2	Slightly graphitic, And tuff, 10% Q.C. 3% PY.	2343	2.6	.01		
1008.2 - 1015.2	And tuff Dk greenish, looks barren.	2344	7.0	Tr		
1015.2 - 1017.5	And. Tuff. partly silicified 3% PY.	2345	2.3	.035		
1017.5 - 1018.6	And. Tuff 50% Q.C. along the core. 3% PY. 1% PO.	2346	1.1	.055		
1018.6 - 1023.0	And tuff. Dk. greenish 3% Q.C. 2% PY.	2347	4.4	.015		

DRILLED BY ______ SIGNED ______

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-13A

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1023.0-1028.0	And. tuff. Dk greenish looks barren.	2348	5.0	Tr		
1028.0-1034.0	And. tuff. Dk greenish, looks barren.	2349	6.0	Tr		
1034.0-1037.8	And. Tuff. Dk. greenish, looks barren	2350	3.8	.005		
1037.8-1039.0	And. Tuff. 30% Qtz. Carb. that runs along the core + carries 5% coarse Py.	2351	1.2	.18		
1039.0-1041.7	And. Tuff. Dk. greenish ½ % Py.	2352	2.7	.005		
1041.7-1044.0	And. tuff. 10% Q.C. 1% Py.	2353	2.3	.005		
1044.0-1045.0	A Qtz. Carb vein at 30° to core, 10% coarse Py.	2354	1.0	Tr		
1045.0-1049.0	And. Tuff. banded at 30° to core, 10% Q.C. 1% Py. traces of chalco Py.	2355	4.0	.005		
1049.0-1054.0	And. tuff dk. greenish minor Q.C. 1% Py.	2356	5.0	.005		
1054.0-1059.0	And. tuff dk. greenish, barren.	2357	5.0	Tr		
1059.0-1063.5	And. tuff dk. greenish, barren	2358	4.5	Tr		
1063.5 1067.0	And tuff dk. greenish, barren	2359	3.5	Tr		
1067.0-1070.5	Graphitic-And. tuff, banded at 10°-15° to core 10% Q.C. 2% Py. traces of chalco Py. some arseno Py.	2360	3.5	.05		
1070.5-1073.0	Graphitic Tuff. 15% dk. grey Carb. 20% Py. ½ % arseno Py.	2361	2.5	.03		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 23 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1073.0-1075.2	Graphitic Tuff. 10% grey Carb. stringers 30% Py.	2362	2.2	.01		
1075.2-1080.0	Slightly graphitic And tuff. minor QC, ~~..~~ 1% Py.	2363	4.8	Tr		
1080.0-1085.0	And tuff slightly graphitic 1% Py.	2364	5.0	Tr		
1085.0-1087.2	Slightly graphitic - And tuff. 5% QC 10% Py. minor arseno Py.	2365	2.2	.005		
1087.2-1092.0	And tuff. dk greenish, barren.	2366	4.8	.005		
1092.0-1096.8	And tuff. minor QC minor Py.	2367	4.8	Tr		
1096.8-1099.8	And tuff. 3% QC 4% Py.	2368	3.0	.005		
1099.8-1101.2	And tuff. 25% QC 10% massive Py	2369	1.4	.005		
1101.2-1103.0	And tuff 15% QC 4% Py.	2370	1.8	Tr		
1103.0-1105.8	And tuff 5% QC 4% Py.	2371	2.8	.005		
1105.8-1108.0	And tuff 5% QC 5% coarse Py.	2372	2.2	.005		
1108.0-1109.5	And tuff. 3% QC 5% Py.	2373	1.5	.005		
1109.5-1116.0	And tuff 5% Qtz-sericite. barren.	2374	6.5	Tr		
1116.0-1121.0	And tuff 1% Py.	2375	5.0	Tr		
1121.0-1125.5	And tuff. barren.	2376	4.5	Tr		
1125.5-1130.5	And tuff. minor Py.	2377	5.0	Tr		
1130.5-1135.0	Slightly epidotized, And tuff. barren.	2378	4.5	Tr		
1135.0-1139.0	And tuff. banded at 30° to core 1% Py.	2379	4.0	.005		

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DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 24 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES
946.5-1067.0	And. Tuff. dk greenish largely composed of amphibole-chlorite finely banded at 10°-20° to core.			
1067.0-1087.0	Graphitic-And. Tuff. finely banded at 10°-30° to the core. It contains 5%-10% dk grey carb. stringers 1%-3% Py & traces of arsenopy.			
1087.0-1109.5	And. tuff. Greenish grey. finely banded at 15°-25° to the core. It contains 5% Qtz carb. Stringers + 2%-5% pyrite.			
1109.5-1142.0	And. tuff. Tuff banding is still present but less pronounced due to some slight epidotic alteration.			
1142.0-1187.0	Talc rock. From 1142.0-1157.0 the talc rock is banded & sheared. From 1157' to end of hole the Talc has a sheared brecciated appearance.			

15

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-15A

SHEET NUMBER 25 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1139.0 – 1142.0	Gnd. tuff. 10% Q.C. 2% PY. banded at 35° to core.	2380	3.0	Tr		
	End of Hole 1187.0'					

DRILLED BY ____ SIGNED 25

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 1 SECTION FROM ______ TO ______ STARTED Sept. 27. 1981

LATITUDE 0+20 S DATUM 1000' COMPLETED Oct 3, 1981

DEPARTURE 36+40' E BEARING N-60° W ULTIMATE DEPTH ______

ELEVATION 1000' DIP Collar -65° 200' 400'-63½° 600'-61½° 800'-58° 1000'-55½° 1200'-51½° PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
0-165.0	Casing in overburden					
165.0-225.0	Dacitic Tuff. Lt. greyish bedded at 5°-10° to core. Some minor Qtz. Carb mineralization along the bedding. 2% Pyrite mineralization					
225.0-274.5	A milky white Qtz. vein stockwork in slightly graphitic - dacitic tuff. The major Qtz. veins have contacts at about 60° to the core axis. Vuggy pyrite - marcasite mineralization occurs along vein edges or along edges of fragments of Tuff. This is a strong vein zone structure.					
274.5-304.0	Dac. tuff. Lt. greenish grey. bedded at 0°-5° to the core; somewhat barren except for the occasional narrow Q.C. vein.					

DRILLED BY Norex D. Drilling Hole 81-16 SIGNED C.J. Kurylo 16

NICKEL OF[illegible]ET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 2
SECTION FROM ______ TO ______
STARTED ______
LATITUDE ______
DATUM ______
COMPLETED ______
DEPARTURE ______
BEARING ______
ULTIMATE DEPTH ______
ELEVATION ______
DIP ______
PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
165.0 - 170.0	Dac. tuff. 3% Qtz. carb. stringers, 2% Py.	2381	5.0	.04		
170.0 - 175.0	Dac. tuff 3% Qtz carb stringers 1% Py.	2382	5.0	.02		
175.0 - 179.0	Dac. tuff. 3% Qtz. carb. 1% Py.	2383	4.0	.01		
179.0 - 182.5	Dac Tuff minor Q.C. minor Py.	2384	3.5	.02		
182.5 - 184.0	Dac tuff. 40% Q.C. vein (vuggy) along the core 7% coarse Py. in vein.	2385	1.5	.02		
184.0 - 186.1	Dac tuff 50% Q.C with pink calcite that runs along the core & carries 10% coarse Py.	2386	2.1	.005		
186.1 - 192.0	Dac. tuff minor Q.C minor Py.	2387	5.9	.01		
192.0 - 193.7	Dac. tuff. 10% Q.C stringers. 3% pyrite, trace Chalco	2388	1.7	.035		
193.7 - 194.8	A grey Qtz. carb vein runs at 70° to core. 2% Py. mainly along the edges trace of chalco py.	2389	1.1	Tr		
194.8 - 197.3	Dac. tuff. 3% Qtz. carb. & 2% Grey Qtz in cross fractures, 3% Py.	2390	2.5	.015		
197.3 - 200.7	Dac. tuff. 5% grey Qtz. in crossfractures 2% Py.	2391	3.4	.04		

DRILLED BY ______ SIGNED ______

NICKEL O[illegible]SET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 3 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
200.7-203.5	Dac. tuff, minor Q.C. 1% Py.	2392	2.8	.07		
203.5-208.2	Dac tuff minor Q.C. 1% Py.	2393	4.7	.025		
208.2-210.5	Dac tuff 3% Q.C. 1% Py.	2394	2.3	.035		
210.5-211.5	Dac. tuff. A vuggy 5" Q.C. vein, irregular, carries 10% coarse Py.	2395	1.0	.01		
211.5-217.0	Dac. tuff. minor QC ½% Py.	2396	5.5	.005		
217.0-222.5	Dac tuff. slightly graphitic, minor Q.C. ½% Py.	2397	5.5	Tr		
222.5-225.0	Dac. tuff minor QC 3% Py.	2398	2.5	.06		
225.0-226.3	Dac tuff. 40% Qtz vein stockwork 4% Py	2399	1.3	.11		.07 / 3.7
226.3-228.2	Dac tuff. 3% Q.C. 3% Py.	2400	1.9	.055		
228.2-230.6	A milky white Qtz vein with contacts at 60° to core, partly vuggy, 1% coarse pyrite.	2401	2.4	.005		
230.6-231.9	Slightly graphitic dac. tuff. 10% Q.C. stringers. 3% Py.	2402	1.3	.005		
231.9-233.8	A milky white Qtz vein, contact at 60° to core, looks barren.	2403	1.9	Tr		
233.8-235.6	A milky white Qtz vein, partly vuggy, 1% Py.	2404	1.8	.005		

DRILLED BY ______ SIGNED ______ 16

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 01-16

SHEET NUMBER 4 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
235.6 - 236.9	70% milky white Qtz vein 2% PY. near vein edges.	2405	1.3	.005		
236.9 - 239.0	Dac. Tuff. 3% Q.C. 1% PY.	2406	2.1	.065		
239.0 - 241.7	40% milky Qtz. in stockwork vein System in dac. tuff. 3% PY	2407	2.7	.01		
241.7 - 242.7	Dac tuff. 3% Q.C. 1% PY.	2408	1.0	.005		
242.7 - 244.0	A milky white Qtz. vein with Contacts at 60° to Core. Some coarse PY at vein edges, vuggy.	2409	1.3	Tr		
244.0 - 245.0	Dac tuff. 5% Q.C. in fractures with vuggy PY.	2410	1.0	.005		
245.0 - 247.5	A milky white Qtz. vein. 1% PY near minor inclusions of Tuff.	2411	2.5	Tr		
247.5 - 249.5	A milky white Qtz vein 2% vuggid PY.	2412	2.0	.005		
249.5 - 251.3	A milky white Qtz vein, A 5% inclusion of Tuff fragments 1% PY near fragments.	2413	1.8	Tr		
251.3 - 253.4	A milky white Qtz. vein. 5% inclusions of Tuff 2% vuggy PY. & marcasite.	2414	2.1	Tr		

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 5 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
253.1–254.7	A milky white Qtz. vein; looks barren	2415	1.3	Tr		
254.7–257.5	A milky white Qtz vein, looks barren.	2416	2.8	Tr		
257.5–259.0	Dacitic tuff. ~~with~~ brecciated, with 20% Qtz. Carb. stockwork in a fishnet pattern 3% PY.	2417	1.5	.005		
259.0–261.0	70% Qtz. stockwork with Tuff fragments. 2% vuggy PY.	2418	2.0	Tr		
261.0–262.5	Milky white Qtz. vein with contacts at 60° to core. 1% PY. along vein edge.	2419	1.5	Tr		
262.5–264.2	A milky white Qtz. vein 1% PY. along vein edge.	2420	1.7	Tr		
264.2–266.2	A milky white Qtz vein, looks barren.	2421	2.0	Tr		
266.2–268.2	Dac. tuff. 5% Q.C in fractures 2% vuggy PY.	2422	2.0	.02		
268.2–270.0	Dac. tuff. 30% Q.C. in vein stockwork. The veinlets carry 3% vuggy PY.	2423	1.8	Tr		
270.0–272.0	Dac. tuff. 20% Q.C. in vein stockwork. 3% vuggy PY.	2424	2.0	Tr		
272.0–274.5	Dac. tuff. 10% Q.C. in Stockwork fractures 3% PY. + traces of chalco.	2425	2.5	.005		

DRILLED BY ______ SIGNED ______

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NICKEL OF[illegible]ET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 6 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
274.5 - 277.0	Dac tuff. Slightly Graphitic, minor Q.C ½ % Py.	2426	2.5	.03		
277.0 - 280.0	Slightly graphitic Tuff bedded along the core. minor Q.C ½ % Py.	2427	3.0	.04		
280.0 - 281.5	Dac tuff. 5% Q.C. 1% Py.	2428	1.5	.02		
281.5 - 282.5	An irreg. vuggy Q.C. vein 7% coarse pyrite.	2429	1.0	.005		
282.5 - 288.0	Dac. tuff. minor Q.C minor Py.	2430	5.5	.005		
288.0 - 292.8	Dac tuff. minor Q.C. minor Py.	2431	4.8	.015		
292.8 - 294.4	Dac. tuff. 30% Q.C. 3% vuggy Py.	2432	1.6	.01		
294.4 - 297.0	Dac tuff. minor Q.C 1% Py.	2433	2.6	.105		
297.0 - 299.0	Dac tuff. 20% Q.C. 7% vuggy Py.	2434	2.0	.005		
299.0 - 300.5	Dac tuff. 40% irreg Qtz carb. 1% Py.	2435	1.5	.235		
300.5 - 302.0	A milky white Qtz vein contacts at 70° minor Py. along edges.	2436	1.5	.005		
302.0 - 306.5	Dac. tuff minor Q.C. minor Py.	2437	4.5	.005		
306.5 - 310.0	Dac tuff minor Q.C minor Py.	2438	3.5	.005		
310.0 - 312.5	Dac tuff. Two 5" Q.C veins 1% Py	2439	2.5	.005		
312.5 - 313.7	Dac tuff. looks barren.	2440	1.2	Tr		
313.7 - 315.0	Qtz Carb. vein 5% vuggy Py.	2441	1.3	.005		

DRILLED BY ______ SIGNED ______ 16

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 7 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
315.0 – 318.4	Dac. tuff. minor Q.C. 1% Py.	2442	3.4	.015		
318.4 – 320.6	Slightly graphitic – dac. tuff. minor Q.C. 2% Py.	2443	2.2	.025		
320.6 – 321.6	Graphitic Tuff 30% Q.C. veinlets 2% vuggy Py.	2444	1.0	.005		
321.6 – 326.6	Dac. tuff. minor Q.C. minor Py.	2445	5.0	.005		
326.6 – 331.6	Dac. tuff minor Q.C. minor Py	2446	5.0	Tr		
331.6 335.8	Dac. tuff minor Q.C. minor Py.	2447	4.2	Tr		
335.8 – 338.2	Milky white Qtz. vein with contacts at 60° to core. 3% coarse Py. in vein	2448	2.4	.01		
338.2 – 339.2	Slightly graphitic – dac. tuff. minor Q.C. 4% Py.	2449	1.0	.005		
339.2 – 341.0	Milky white Qtz vein with 10% tuff inclusions 4% coarse Py.	2450	1.8	.005		
341.0 – 342.5	40% Qtz. vein stockwork in slightly graphitic Tuff. 2% Py.	2451	1.5	Tr		
342.5 – 344.0	Milky white Qtz. vein, minor Py.	2452	1.5	Tr		
344.0 – 346.1	Graphitic Tuff. 20% Qtz. vein stockwork 30% Py.	2453	2.1	Tr		
346.1 – 347.4	Milky white Qtz. vein with some coarse Py. at contacts.	2454	1.3	Tr		

DRILLED BY ______ SIGNED ______

NICKEL OF[illegible]ET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER	8	SECTION FROM	TO	STARTED	
LATITUDE		DATUM		COMPLETED	
DEPARTURE		BEARING		ULTIMATE DEPTH	
ELEVATION		DIP		PROPOSED DEPTH	

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
304.0 - 396.0'	Dk. greyish, graphitic tuff, dacitic Composition, banded at 5°-20° to the core. Some Qtz veining & mineralization throughout. From 336'-353' about 60% Qtz. veins in a stockwork structure with most of the larger vein contacts running at 50°-60° to the core. A more strongly graphitic section occurs from 379' - 389'					
396.0 - 460.0	Slightly graphitic - dac. tuff finely banded at 5°-15° to the core, with only minor Qtz. Carb. mineralization except for a Q. C. vein Stockwork from 433.0 - 441.3.					
460.0 - 474.0	Dac. Tuff. Lt greenish grey. finely banded at 0°-10° to the core. A shear breccia fragment appearance.					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 9 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
347.4 - 348.8	Graphitic Tuff. A 2" white Qtz. vein at 60° to core. 1% PY.	2455	1.4	.015		
348.8 - 351.8	Graphitic Tuff minor Q.C. 1% PY.	2456	3.0	.005		
351.8 - 352.8	Graphitic tuff A 5" Qtz. Carb. vein, 3% PY.	2457	1.0	.005		
352.8 - 357.6	Slightly graphitic tuff. minor Q.C. minor PY.	2458	4.8	Tr		
357.6 - 359.6	Graphitic tuff A 3" Q.C. vein. 1% PY.	2459	2.0	.01		
359.6 - 364.6	Slightly graphitic tuff minor Q.C. 1% PY.	2460	5.0	Tr		
364.6 - 369.6	Slightly Graphitic tuff 3% PY minor Q.C.	2461	5.0	.005		
369.6 - 372.0	Graphitic tuff. 10% Q.C. Stringers 2% PY.	2462	2.4	.005		
372.0 - 374.5	Graphitic Tuff. 5% Q.C. 1% PY.	2463	2.5	.05		
374.5 - 376.5	Graphitic tuff minor Q.C. 1% PY.	2464	2.0	.01		
376.5 - 379.0	Strongly Graphitic Tuff. 10% Q.C. 4% PY.	2465	2.5	.04		
379.0 - 381.2	Graphitic Tuff. 10% Q.C. 2% PY.	2466	2.2	.005		
381.2 - 383.4	Graphitic Tuff 5% Q.C. 2% PY	2467	2.2	.01		
383.4 - 385.4	Graphitic Tuff 20% Q.C. 3% coarse PY.	2468	2.0	.02		
385.4 - 388.0	Graphitic tuff. 10% Q.C. 1% PY.	2469	2.6	Tr		
388.0 - 391.0	Graphitic tuff. 20% dk. grey. Q.C. 3% PY.	2470	3.0	Tr		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 84-16

SHEET NUMBER 10 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
391.0 - 394.0	Graphitic tuff. 5% Q.C. 3% PY.	2471	3.0	.075		.055 / 10'
394.0 - 396.0	Graphitic Tuff. 5% Q.C. veinlets, 2% PY.	2472	2.0	.055		
396.0 - 401.0	Slightly graphitic - dac. tuff 3% Q.C 1% PY.	2473	5.0	.03		
401.0 - 406.0	Slightly graphitic - dac. tuff minor Q.C. minor PY	2474	5.0	Tr		
406.0 - 410.7	Slightly graphitic - dac. tuff. 5% Q.C. 1% PY.	2475	4.7	Tr		
410.7 - 415.6	Slightly graphitic - dac. tuff. minor Q.C. minor PY.	2476	4.9	Tr		
415.6 - 420.5	Slightly graphitic - dac. tuff. 5% Q C. minor PY.	2477	4.9	Tr		
420.5 - 425.3	Slightly graphitic - dac. tuff. minor Q C. 1% PY. banded at 15° to core.	2478	4.8	Tr		
425.3 - 430.1	Slightly - graphitic - dac. tuff minor Q.C. minor PY.	2479	4.8	Tr		
430.1 - 433.0	Slightly graphitic Tuff. minor Q C. 1% PY.	2480	2.9	.005		
433.0 435.0	Graphitic - dac. tuff 60% Q C. 2% PY Trace of shales.	2481	2.0	Tr		
435.0 - 437.0	80% Q.C. stockwork in graphitic tuff 5% PY.	2482	2.0	.02		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 11 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
437.0 - 438.8	Milky Qtz. vein. 15% tuff inclusions 3% coarse py.	2483	1.8	Tr		
438.8 - 441.3	60% Q.C. in graphitic tuff. 3% py.	2484	2.5	Tr		
441.3 - 445.0	Slightly graphitic - dac. tuff. 5% Q.C. 1% py.	2485	3.7	.035		
445.0 - 447.2	Dac. tuff. a 3" Q.C. vein at 70° to core 1% py.	2486	2.2	.05		.06/17.7
447.2 - 451.1	Slightly graphitic - dac. tuff 5% Q.C. 1% py.	2487	3.9	.045		
451.1 - 454.5	Graphitic - dac. tuff. 10% Q.C. 3% py.	2488	3.4	.08		
454.5 - 457.0	Graphitic tuff 18% Q.B. 2% py.	2489	2.5	.025		
457.0 - 459.0	Graphitic tuff. 5% Q.C. 2% py.	2490	2.0	.065		
459.0 - 464.0	Graphitic tuff minor Q.C. minor py.	2491	5.0	Tr		
464.0 - 468.8	Dac. tuff. bedded along the core, barren.	2492	4.8	Tr		
468.8 - 473.6	Dac. tuff bedded along the core, barren.	2493	4.8	Tr		
473.6 - 478.4	And. tuff. bedded along the core, barren.	2494	4.8	Tr		
478.4 - 483.3	And. Tuff. bedded along the core, barren.	2495	4.9	Tr		
483.3 - 488.0	And. tuff. bedded along the core, barren.	2496	4.7	.005		
488.0 - 493.0	And. Tuff. bedded along the core, barren.	2497	5.0	Tr		

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NICKEL O[illegible]SET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 12 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
474.0 – 618.0	And. tuff. Dk greenish, finely bedded at 0° – 5° to the core. Generally barren of Q.C. + Py.					
618.0 – 714.0	Slightly graphitic And. tuff, bedded at about 0° – 3° to the core. About 2% Py., some occasional Qtz. carb. veinlets & stringers.					
	Note: From 625.0' – 632.0' there is an unusual 1" thick bed that runs along the core & carries about 5 – 10% of oval hollow spheres about 0.2 – .6mm. in diam. That look like the fossil shells of some life form. The shells are whitish with a slight light bluish tint & appear to be composed mainly of silica. The occurrence of this matter of shells restricted to a single tuff bed is significant					

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 13 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
493.0 – 497.7	And. tuff. bedded along the core. barren.	2498	4.7	Tr		
497.7 – 502.5	And. tuff. bedded along the core, barren	2499	4.8	Tr		
502.5 – 507.3	And. tuff. bedded along the core, barren	2500	4.8	Tr		
507.3 – 512.0	And. tuff. bedded along the core, barren	2501	4.7	Tr		
512.0 – 517.0	And. tuff. bedded along the core, barren	2502	5.0	Tr		
517.0 – 522.0	And. tuff bedded along the core, barren	2503	5.0	Tr		
522.0 – 527.0	And. tuff bedded along the core, barren	2504	5.0	Tr		
527.0 – 532.0	And. tuff. bedded along the core. barren	2505	5.0	Tr		
532.0 – 537.0	And. tuff, dk greenish, barren.	2506	5.0	Tr		
537.0 – 542.0	And. tuff, dk greenish, barren	2507	5.0	Tr		
542.0 – 545.5	And. tuff, dk greenish, barren	2508	5.0	Tr		
545.5 – 550.0	And. tuff, dk greenish, barren	2509	3.5	Tr		
550.0 – 555.0	And. tuff, dk. greenish, barren	2510	5.0	Tr		
555.0 – 560.0	And. tuff, dk. greenish, barren	2511	5.0	Tr		
560.0 – 564.5	And. tuff, dk greenish, barren	2512	4.5	Tr		
564.5 – 569.0	And. tuff dk greenish, barren	2513	4.5	Tr		
569.0 – 571.5	And. tuff. dk greenish. barren	2514	2.5	.005		
571.5 – 572.5	And. tuff a 3" glassy Qz vein rimsat 40° to core 1% Py.	2515	1.0	.115		.22 / 1
572.5 – 578.0	And. tuff. dk. greenish, barren	2516	5.5	.005		
578.0 – 584.0	And. tuff. dk greenish, barren	2517	6.0	Tr		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 14 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
584.0 - 590.0	And. tuff. dk. greenish, barren.	2518	6.0	Tr		
590.0 - 595.0	And tuff. dk greenish, barren	2519	5.0	Tr		
595.0 - 600.0	And. tuff. dk. greenish, barren	2520	5.0	.005		
600.0 605.0	And tuff. dk. greenish, barren	2521	5.0	Tr		
605.0-610.0	And tuff. dk greenish barren	2522	5.0	Tr		
610.0 - 614.5	And tuff dk greenish, barren	2523	4.5	Tr		
614.5 - 619.0	And tuff. dk. greenish, barren	2524	4.5	.005		
619.0 - 623.0	And. tuff, slightly graphitic 7% Qtz. stringers. 2% Py.	2525	4.0	Tr		
623.0 - 625.0	And. tuff. bedded at 0°-5° to core minor Q.C. minor Py.	2526 ~~252~~	2.0	Tr		
625.0 - 635.3	And. tuff. slightly graphitic minor Q.C. + 5% Py.	2527	3.3	.035		
635.3 - 636.4	Graphitic And. tuff. A 2" Qtz. Carb vein at 40° to the core, 2% Py.	2528	1.1	.215	.22	.0[illegible] / 11.4
636.4 - 640.1	Graphitic tuff, minor Q.C. 2% Py.	2529	3.7	.02		
640.1 - 643.2	Graphitic tuff. 10% Q.C in Stringers 2% Py.	2530	3.2	.025		
643.2 - 648.0	Graphitic - And. tuff. 3% Q.C 1% py	2531	4.8	Tr		
648.0 - 650.0	And. tuff. 30% Q.C. with pink calcite bits across the core at 60° 2% Py.	2532	2.0	.005		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 15 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
650.0-652.5	Graphitic-And. tuff minor Q.C. 1% PY.	2533	2.5	.025		
652.5-654.0	Graphitic-And. tuff 60% Q.C with pink calcite, the vuggy vein runs partly along the core & carries minor PY.	2534	1.5	.005		.06/11'
654.0-657.7	Slightly graphitic And tuff minor Q.C 1% PY.	2535	3.7	.005		
657.7-661.0	Graphitic-And. tuff with contorted bedding that cuts across the core mostly at 30°. 40% Q.C with pink calcite. 2% PY along vein edges.	2536	3.3	.18	.11	
661.0-665.0	Graphitic-And. tuff bedded at 30° to core. minor Q.C. 1% PY.	2537	4.0	.015		
665.0-667.3	Graphitic-And. tuff 20% grey Qtz. carb. stringers. 1% PY.	2538	2.3	.005		
667.3-672.0	And. Tuff. 10% fine Q.C. filled fractures run across the core. Minor PY.	2539	4.7	Tr		
672.0-675.0	And. Tuff, with calcite filled fractures. Possible fault zone.	2540	3.0	Tr		
675.0-677.3	An irreg. Q.C. vein with pink calcite runs along the core. minor PY.	2541	2.3	.05		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 16 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
677.3 - 681.5	Highly graphitic tuff that runs along the core, minor Q.C. 3% Py	2542	4.2	.005		
681.5 686.0	Highly graphitic tuff, minor Q.C. 2% Py	2543	4.5	Tr		
686.0 - 690.5	Graphitic tuff minor Q.C 1% Py.	2544	4.5	Tr		
690.5 - 695.3	Graphitic - And tuff minor Q.C 1% Py	2545				
695.3 - 700.2	Graphitic And tuff minor Q.C 1% Py.	2546	4.9	Tr		
700.2 - 705.0	Slightly graphitic - And. tuff. minor Q.C. 10% Py.	2547	4.8	Tr		
705.0 - 709.7	Slightly graphitic, And. tuff minor Q.C 5% Py.	2548	4.7	Tr		
709.7 - 713.5	Graphitic And. tuff 3% Q.C. 3% Py.	2549	3.8	Tr.		
713.5 - 719.2	Dk. green And. tuff. minor Q.C minor Py.	2550	6.7	.01		
719.2 - 724.0	Dk green And. tuff, barren. Some pink calcite filled fractures.	2551	4.8	Tr		
724.0 - 728.0	Dk green And. tuff, barren, fine calcitic fractures.	2552	4.0	Tr		
728.0 - 732.5	And. tuff barren, Calcitic fractures	2553	4.5	Tr		
732.5 - 737.5	And. tuff, barren.	2554	5.0	Tr		
737.5 - 742.0	And. tuff bedded along the core, minor Q.C. minor Py.	2555	4.5	Tr		
742.0 - 747.0	And. tuff minor Q.C minor Py.	2556	5.0	Tr		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 17		SECTION FROM ____ TO ____		STARTED ____	
LATITUDE ____		DATUM ____		COMPLETED ____	
DEPARTURE ____		BEARING ____		ULTIMATE DEPTH ____	
ELEVATION ____		DIP ____		PROPOSED DEPTH ____	

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
714.0 - 759.0	And. tuff finely bedded at 0-5° to the core. Generally barren of sulphides + Qtz. Calc.					
759.0 - 791.0	Slightly graphitic - And. tuff, finely bedded at 5-15° to core with several Q.C. veinlets in the more contorted tuff.					
791.0 - 850.5	Dk. greenish And. tuff. bedded at 5-15° to core. The tuff becomes progressively a more basic + amphibolitic with depth until it reaches a vuggy fault at 850.5' This tuff is relatively barren of Q.C. + Py.					
850.5 - 878.6	Graphitic tuff that contains 35% Q.C. in an irregular stockwork. The Q.C. contains about 1/3 pink calcite + 2-5% coarse pyrite. Several vuggy sections occur along the core					

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 18	SECTION FROM ______ TO ______	STARTED ______
LATITUDE ______	DATUM ______	COMPLETED ______
DEPARTURE ______	BEARING ______	ULTIMATE DEPTH ______
ELEVATION ______	DIP ______	PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
747.0 – 752.0	And. tuff minor QC, minor PY.	2557	5.0	Tr		
752.0 – 757.0	And. tuff minor QC. minor PY.	2558	5.0	Tr		
757.0 – 761.5	Slightly graphitic. And tuff bedded 0-5° to core, minor QC. minor PY.	2559	4.5	Tr		
761.5 – 766.0	Graphitic tuff. bedded at 5° to core minor QC. 1% PY.	2560	4.5	.005		
766.0 – 768.2	Graphitic tuff contorted bedding at 15°-30° to core, minor QC. 10% PY.	2561	2.2	.005		
768.2 – 770.9	Graphitic tuff 30% QC. that runs along the core. 3% PY.	2562	2.7	.03		
770.9 – 772.5	60% QC. running along the core Some heavy PY. along the vein edges A patch of three specks of fine V.G. in the Qtz. at 771.1	2563	1.6	.075	.065	15.8 (M...)
772.5 – 775.0	Graphitic tuff 10% QC. 2% PY.	2564	3.0	.005		
775.0 – 777.0	Graphitic tuff 70% QC. 5% PY.	2565	2.0	.055		
777.0 – 779.0	Graphitic tuff 50% QC. that runs irreg. along & across the core, 3% PY.	2566	2.0	.015		

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NICKEL OFFSET LTD.

DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 19 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
779.0 - 781.0	Graphitic tuff, 70% irreg. Qtz. Carb that runs both along & across the core. 1% massive streaks of Py. A speck of V.G. at 779.2' in Grey Qtz.	2567	2.0	.005	.005	
781.0 - 783.5	Graphitic Tuff. 40% irreg. Qtz. Carb. 10% coarse Py.	2568	2.5	.005		
783.5 - 787.0	Graphitic tuff. 5% Q.C. minor Py.	2569	3.5	Tr		
787.0 - 792.0	Graphitic tuff. 30% Q.C. 1% Py.	2570	5.0	Tr		
792.0 - 794.0	Graphitic Tuff. 20% Q.C. 1% Py. and 1% arseno Py.	2571	2.0	.03		
794.0 - 800.0	And. tuff. minor Q.C minor Py.	2572	6.0	Tr		
800.0 - 805.0	Dk. green And. Tuff. barren.	2573	5.0	Tr		
805.0 - 809.5	Dk green And. Tuff, barren	2574	4.5	Tr		
809.5 - 814.5	Dk. green And. tuff, barren	2575	5.0	Tr		
814.5 - 819.5	Dk green And. tuff barren	2576	5.0	Tr		
819.5 - 824.0	Dk. green And. tuff, barren	2577	4.5	Tr		
824.0 - 829.0	Dk green And. tuff barren	2578	5.0	Tr		
829.0 - 834.0	Dk green And. tuff barren	2579	5.0	Tr		
834.0 - 839.0	Dk. green And. Tuff. barren.	2580	5.0	.025		

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY – TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 20 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
839.0 - 844.0	Dk. green And. tuff. minor Q.C. barren.	2581	5.0	Tr		
844.0 - 849.0	Dk. green And. tuff. minor Q.C. barren	2582	5.0	Tr		
849.0 - 853.8	Dk. green And. tuff. minor Q.C. barren	2583	4.8	Tr		
853.8 - 848.5	Dk. green And. tuff. minor Q.C. barren	2584	4.7	Tr		
848.5 - 850.7	Dk. green And. tuff. minor Q.C. barren	2585	1.2	Tr		
850.7 - 863.0	Graphitic tuff. 30% Q.C. 2% PY.	2586	2.3	Tr		
863.0 - 865.0	Graphitic tuff. 10% Q.C. 2% PY	2587	2.0	Tr		
865.0 - 867.0	Graphitic tuff. 30% Q.C. 2% PY	2588	2.0	Tr		
867.0 - 869.0	Graphitic tuff 30% Q.C. 3% coarse PY.	2589	2.0	Tr		
869.0 - 871.0	Graphitic tuff. 30% Q.C. 5% PY.	2590	2.0	.005		
871.0 - 873.0	Graphitic tuff. 25% Q.C. 2% PY	2591	2.0	.005		
873.0 - 875.0	Graphitic tuff. 40% Q.C. 6% PY.	2592	2.0	Tr		
875.0 - 877.0	Graphitic tuff. 30% Q.C. 3% PY	2593	2.0	.005		
877.0 - 878.6	Graphitic tuff. 40% vuggy Q.C. 7% PY	2594	1.6	.005		
878.6 - 882.0	Hard black tuff, graphitic, 2% Q.C. 4% PY	2595	3.4	Tr		
882.0 - 885.0	Hard black graphitic tuff, 2% Q.C. 2% PY	2596	3.0	.005		
885.0 - 888.0	Hard black graphitic tuff, 5% Q.C. 2% PY	2597	3.0	.005		
888.0 - 891.0	Hard black graphitic tuff. 3% Q.C. 2% PY	2598	3.0	Tr		
891.0 - 894.0	Hard black graphitic tuff. 7% Q.C. 2% PY	2599	3.0	Tr		
894.0 - 896.5	Hard black graphitic tuff. 5% Q.C. 2% PY	2600	2.5	.005		
		~~2601~~				

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DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 21		SECTION FROM	TO	STARTED	
LATITUDE		DATUM		COMPLETED	
DEPARTURE		BEARING		ULTIMATE DEPTH	
ELEVATION		DIP		PROPOSED DEPTH	

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
878.6 – 964.0	Graphitic Tuff. Dk gray to black. finely banded + slightly silicified to form a hard rock. 2-5% Q.C. stringers that carry heavy streaks of Py. A fault at 964.0' is marked by some breccia + a rock change. @ 923.0'	V.G. at 956.8 + 957.2'				
964.0 – 1254.0	Dacite to Dac.-And. tuff finely banded at 5-10° to the core. Light buff Grey in colours. This rock becomes progressively more Andesitic with depth. Some epidotic alteration occurs at 1233.0' The banding of the tuff also becomes progressively less distinct in its banding. The rock is generally poorly mineralized					
	End of Hole 1254.0					

DRILLED BY ______ SIGNED ______

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 22 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
896.5-899.5	Hard graphitic tuff. minor Q.C. minor PY	2601	3.0	Tr		
899.5 - 902.5	Hard graphitic tuff. 3% Q.C ½% PY	2602	3.0	Tr		
902.5 - 905.5	Hard graphitic tuff. minor Q.C. minor PY.	2603	3.0	Tr		
905.5 - 908.5	Hard graphitic tuff. 5% Q.C 3% PY.	2604	3.0	.005		
908.5 - 911.5	Hard graphitic tuff. 3% Q.C. 2% PY.	2605	3.0	.005		
911.5 - 913.5	Hard graphitic tuff. 3% Q.C. 3% PY	2606	2.0	.005		
913.5 - 916.0	Hard graphitic Tuff. 3% Q.C. 3% PY.	2607	3.0	.01		
916.0 - 921.0	Graphitic-dac tuff minor Q.C. ½% PY.	2608	5.0	Tr.		
921.0 - 922.4	Hard graphitic Tuff 70% Q.C stringers That carry streaks of massive PY.	2609	1.4	.01		
922.4 - 923.4	Hard graphitic tuff. A 1" Q.C. vein that runs at 40° to core. Carries 5% PY. 9 Two patches of fine V.G at 923.0'	2610	1.0	1.32	1.34	
923.4 - 924.8	Hard graphitic Tuff 50% Q.C stringers run at 40° to core + carry massive streaks of PY.	2611	1.4	1.37		
924.8 - 927.0	Hard graphitic tuff. 2% Q.C. 2% PY.	2612	2.2	.005		
927.0 - 929.3	Hard graphitic Tuff. 10% Q.C Stringers 3% PY.	2613	2.3	.01		
929.3 - 932.9	Hard graphitic Tuff. 2% Q.C 3% PY.	2614	3.6	.005		
932.9 - 934.3	Hard graphitic Tuff. 20% Q.C 10% PY.	2615	1.4	.08		

DRILLED BY ______ SIGNED ______ 16

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 23 SECTION FROM ____ TO ____ STARTED ____

LATITUDE ____ DATUM ____ COMPLETED ____

DEPARTURE ____ BEARING ____ ULTIMATE DEPTH ____

ELEVATION ____ DIP ____ PROPOSED DEPTH ____

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
934.3 - 936.5	Hard graphitic tuff. 3% Q.C stringers 3% Py.	2616	2.2	.005		
936.5 - 938.6	Hard graphitic tuff. A 6" Q.C vein at 40° to core. 3% Py.	2617	2.1	.09		.25/36.6
938.6 - 940.6	Hard graphitic tuff. 5% Q.C. 3% Py	2618	2.0	.005		
940.6 - 945.6	Hard graphitic tuff. 3% Q.C. 3% Py.	2619	5.0	.005		
945.6 - 948.2	Hard graphitic tuff 7% Q.C. 4% Py.	2620	2.6	.005		
948.2 - 949.8	Qtz. Carb vein with pink calcite + some coarse Py along vein edges. Contacts at 45° to core.	2621	1.6	.075		
949.8 - 951.7	68% Q.C vein. 3% Py.	2622	1.9	.375	.38	.365
951.7 - 955.0	Hard graphitic tuff. 3% Q.C. 3% Py.	2623	3.3	~~.365~~	.01	.14/36.6
955.0 - 956.5	Hard graphitic Tuff 3% Q.C stringers 5% Py.	2624	1.5	.01		
956.5 - 957.6	Hard graphitic tuff. A 1" & a 2" Qtz. vein that run at 40° to the core and carry several patches of V.G each at 956.8' and 957.2'	2625	1.1	4.40	4.16	
957.6 - 958.8	Hard graphitic tuff. 2% QC 5% Py.	2626	1.2	Tr		
958.8 - 961.5	Hard graphitic tuff. 3% QC 3% Py.	2627	2.7	.01		
961.5 - 964.5	Hard graphitic tuff. 10% Q.C. and a	2628	3.0	.54		

DRILLED BY ____ SIGNED ____

NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 24 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
	streak of massive Py, a ½" thick					
	alongside a fault breccia zone					
	that cuts the tuff at 35° to the core.					
964.5 - 969.5	Dac. tuff, minor Q.C. minor Py.	2629	5.0	Tr		
969.5 - 974.0	Dac tuff minor Q.C. ½ % Py.	2630	.5	Tr		
974.0 - 979.0	Dacite-And tuff. 5% Q.C. barren	2631	5.0	Tr		
979.0 - 984.0	Dacite-And tuff 5% Q.C. barren	2632	5.0	.015		
984.0 - 985.3	Qtz carb vein 60° to core ½ % Py.	2633	1.3	Tr		
985.3 - 988.3	Dacite-And tuff. 5% Q.C. barren	2634	3.0	Tr		
988.3 - 993.0	Dacite-And tuff 3% Q.C. minor Py.	2635	4.7	Tr		
998 - 1000.6	Dac-And tuff Two 2" Q.C. veinlets	2636	2.6	.005		
	3% Py.					
1036.0 - 1038.0	Dac. tuff. 10% Q.C. stringers minor Py.	2637	2.0	Tr		
1045.5 - 1046.5	A 5" Qtz carb vein runs at 40°	2638	1.0	.01		
	to core, minor Py.					
1114.0 - 1119.4	Dac. tuff. banded along the core.	2639	5.4	.005		
	A band of pyritic Q.C. follows					
	one edge of the core.					
1124.0 - 1125.7	Dac. tuff. 5% Q.C. stringers, 3% py.	2640	1.7	.005		.105
1127.4 - 1129.6	Dac. tuff 3% Q.C. 3% Py.	2641	2.2	.105		12"
1129.6 - 1132.5		2642	2.9	.01		

DRILLED BY ______ SIGNED ______

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NICKEL OFFSET LTD.
DIAMOND DRILL RECORD

PROPERTY — TULLY TWP. HOLE NO. 81-16

SHEET NUMBER 25 SECTION FROM ______ TO ______ STARTED ______

LATITUDE ______ DATUM ______ COMPLETED ______

DEPARTURE ______ BEARING ______ ULTIMATE DEPTH ______

ELEVATION ______ DIP ______ PROPOSED DEPTH ______

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH	Au ASSAY VALUES		
1135.3 - 1140.5	Dac. Tuff. 5% Q.C. 3% PY.	2643	5.2	.055		
1140.5 - 1144.0	Dac. Tuff 10% Q.C. 4% PY.	2644	3.5	.005		
1144.0 - 1148.0	Dac. tuff. 5% Q.C. 3% PY.	2645	4.0	.005		
		~~2646~~				
	End of Hole 1254.0'					

DRILLED BY ______ SIGNED ______

16

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 15065 DATE: May 12, 1981

SAMPLE(S) OF: Core(139) RECEIVED: May 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
001	0.05	027	0.01
2	0.555 - 0.555	8	Trace
3	0.07*	9	Trace
4	0.02	030	0.005
5	0.02	1	Trace
6	0.03	2	Trace
7	0.02	3	Trace
8	0.02	4	Trace
9	Trace	5	0.86 - 0.84
010	Trace	6	0.145*
1	Trace	7	Trace
2	0.02	8	0.01
3	0.02	9	Trace
4	0.025	040	0.005
5	0.015	1	0.04
6	0.053*	2	0.055
7	0.005	3	0.02
8	0.005	4	0.05
9	Trace	5	0.005
020	0.035	6	0.09*
1	0.015	7	0.015
2	0.015	8	0.095*
3	Trace	9	0.05
4	Trace	050	0.09*
5	Trace	1	0.065
6	0.01	2	0.005

* Checked.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 15065 **DATE:** May 12, 1981

SAMPLE(S) OF: Core(139) **RECEIVED:** May 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
053	Trace	077	0.025
4	0.005	8	Trace
5	0.39 - 0.40	9	Trace
	0.41 - 0.39	080	0.02
6	Trace	1	0.015
7	0.005	2	Trace
8	Trace	3	0.04
9	Trace	4	Trace
060	1.84 - 1.85	5	0.01
1	0.015	6	0.01
2	0.005	7	0.05
3	0.015	8	0.025
4	0.005	9	0.005
5	0.06*	090	0.005
6	0.03	1	Trace
7	Trace	2	Trace
8	Trace	3	0.01
9	0.005	4	0.02
070	Trace	5	Trace
1	0.005	6	0.03
2	0.015	7	0.12
3	0.035	8	0.015
4	0.035	100	Trace
5	0.03		
6	0.01	1	0.005

* Checked.

Cont'd...

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 15065 DATE: May 12, 1981

SAMPLE(S) OF: Core(139) RECEIVED: May 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
102	Trace	121	Trace
3	0.035	2	Trace
4	Trace	3	Trace
5	0.045	3A	Trace
6	0.005	4	Trace
7	0.015	5	Trace
8	0.155 - 0.165	6	Trace
	0.17 - 0.16	7	Trace
9	Trace	8	0.01
110	0.02	9	0.01
1	0.085	130	Trace
2	0.02	1	Trace
3	0.04	2	Trace
4	0.01	3	Trace
5	Trace	4	Trace
6	Trace	5	Trace
7	Trace	6	Trace
8	Trace	7	0.005
9	0.01	8	Trace
120	Trace	9	Trace

N ACCORDANCE WITH LONG-ESTABLISHED NORTH MERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED THERWISE GOLD AND SILVER VALUES REPORTED ON HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPEN- ATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 15618 **DATE:** May 15, 1981

SAMPLE(S) OF: Core(120) **RECEIVED:** May 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
140	0.005	170	0.005
1	0.005	1	0.01
2	0.015	2	Trace
3	0.005	3	Trace
4	0.005	4	0.005
5	0.005	5	Trace
6	Trace	6	0.005
7	Trace	7	0.015
8	Trace	8	0.01
9	0.005	9	0.005
150	Trace	180	0.005
1	Trace	1	Trace
2	Trace	2	Trace
3	0.005	3	Trace
4	Trace	4	Trace
5	Trace	5	Trace
6	Trace	6	Trace
7	Trace	7	Trace
8	Trace	8	0.005
9	0.005	9	Trace
160	Trace	190	Trace
1	0.005	1	Trace
2	Trace	2	0.005
3	0.005	3	Trace
4	Trace	4	Trace
5	Trace	5	Trace
6	Trace	6	Trace
7	Trace	7	Trace
8	Trace	8	Trace
9	Trace	9	Trace

Cont'd...

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 15618 **DATE:** May 15, 1981

SAMPLE(S) OF: Core(120) **RECEIVED:** May 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
200	Trace	230	Trace
1	Trace	1	0.01
2	Trace	2	0.045
3	Trace	3	0.005
4	Trace	4	0.085
5	Trace	5	0.175
6	0.005	6	Trace
7	Trace	7	0.03
8	0.04	8	0.075
9	Trace	9	0.13
210	Trace	240	Trace
1	Trace	1	0.005
2	Trace	2	0.005
3	Trace	3	0.165
4	Trace	4	0.025
5	0.005	5	0.005
6	0.195 - 0.20	6	Trace
7	0.10	7	0.005
8	0.015	8	0.45 - 0.44
9	0.02	9	0.015
220	0.02	250	0.085
1	0.02	2	0.555 - 0.55 -
2	0.04		0.545
3	Trace	253	0.065
4	Trace	4	0.025
5	0.035	5	0.04
6	0.005	6	0.02
7	Trace	7	0.025
8	Trace	8	Trace
9	Trace	9	Trace
		260	Trace

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 15810 **DATE:** May 15, 1981.

SAMPLE(S) OF: Core(114) **RECEIVED:** May 1981.

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
261	Trace	291	Trace
2	Trace	2	0.005
3	0.03	3	0.035
4	0.015	4	0.005
5	0.005	5	0.04
6	0.025	6	0.015
7	Trace	7	0.02
8	0.005	8	0.01
9	0.085	9	0.02
270	0.04	300	Trace
1	0.135*	1	0.03
2	0.09	2	0.03
3	0.005	3	0.015
4	0.02	4	Trace
5	Trace	5	Trace
6	Trace	6	Trace
7	Trace	7	Trace
8	Trace	8	Trace
9	0.03	9	0.03
280	Trace	310	Trace
1	0.005	1	Trace
2	0.005	2	Trace
3	0.01	3	Trace
4	Trace	4	Trace
5	0.035	5	Trace
6	0.005	6	Trace
7	Trace	7	0.005
8	0.005	8	Trace
9	Trace	9	0.015
290	Trace		

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 15810 DATE: May 15, 1981.

SAMPLE(S) OF: Core(114) RECEIVED: May 1981.

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
320	0.005	376	0.02
1	0.015	7	0.03
2	0.005	8	0.005
3	0.005	9	Trace
4	Trace	380	Trace
5	0.015	1	Trace
6	0.005	2	0.005
7	0.005	3	Trace
8	0.03	4	Trace
9	0.015	5	Trace
340	0.03	6	0.005
1	0.05	7	Trace
2	0.02	8	0.005
3	0.01	9	Trace
4	0.01	390	0.01
5	0.005	1	0.02
6	0.005	2	6.32 - 6.38 - 6.46
7	Trace	3	1.33 - 1.29
8	0.01	4	0.04
9	Trace	5	0.12 - 0.12 - 0.13
350	Trace	6	0.265- 0.260- 0.275
1	Trace	7	0.125*
370	0.23 - 0.215	8	0.03
1	0.01	9	0.06
2	0.095*	400	0.095
3	0.115*	1	0.31 - 0.33
4	0.105	2	0.01
5	0.03		

* Checked.

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P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 16713 DATE: May 22, 1981.

SAMPLE(S) OF: Core(71) RECEIVED: May 1981.

SAMPLE(S) FROM: Mr. Chester J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
330	Trace	411	0.045
1	0.03	2	0.06
2	0.035	3	0.07
3	0.035	4	0.055
4	0.15*	5	0.08
5	0.04	6	0.19*
6	0.01	7	0.02
7	0.005	8	2.26 - 2.22 - 2.23
8	0.005	9	0.065
352	Trace	420	0.06
3	0.005	1	0.08
4	0.015	2	0.055
5	Trace	3	0.11*
6	0.005	4	0.065
7	0.04	5	0.025
8	0.10	6	0.015
9	0.035	7	0.025
360	Trace	8	0.035
1	0.045	9	0.01
2	0.09	430	0.16*
3	0.025	1	0.01
4	0.145	2	0.085
5	0.025	3	0.125*
6	0.04	4	0.005
7	0.005	5	0.06
8	Trace	6	Trace
9	0.04	7	0.03

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 16713 DATE: May 22, 1981.

SAMPLE(S) OF: Core(71) RECEIVED: May 1981.

SAMPLE(S) FROM: Mr. Chester J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
403	0.055	438	0.02
4	Trace	9	0.005
5	0.015	440	0.02
6	0.06	1	0.015
7	0.025	2	0.015
8	0.13*	3	0.075
9	0.07	4	0.075
410	0.12	5	0.11
		6	Trace

* Checked.

ACCORDANCE WITH LONG-ESTABLISHED NORTH ICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED RWISE GOLD AND SILVER VALUES REPORTED ON E SHEETS HAVE NOT BEEN ADJUSTED TO COMPEN. FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 17187 DATE: May 27, 1981

SAMPLE(S) OF: Core(43) RECEIVED: May 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
447	Trace	469	Trace
8	0.04	470	Trace
9	0.015	1	0.01
450	Trace	2	0.015
1	Trace	3	0.03
2	0.005	4	0.005
3	0.005	5	0.05
4	0.065	6	0.01
5	Trace	7	0.02
6	0.01	8	0.005
7	0.01	9	0.015
8	0.07	480	Trace
9	0.075	1	0.01
460	0.005	2	0.03
1	Trace	3	0.09
2	0.01	4	Trace
3	Trace	5	Trace
4	0.005	6	0.02
5	Trace	7	0.03
6	Trace	8	0.02
7	Trace	9	0.23 - 0.24
8	Trace		

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P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 17934 Page 1 of 2 **DATE:** June 2, 1981

SAMPLE(S) OF: Core(127) **RECEIVED:** May 1981

SAMPLE(S) FROM: Nickel Offsets Limited, submitted by Mr. C. J. Kuryliw

Sample No.	Oz. Gold
490	0.04
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	0.435 - 0.42 - 0.42
7	Trace
8	0.015
9	0.005
500	0.005
1	Trace
2	Trace
3	5.46 - 5.24 - 5.30
4	0.01
5	3.35 - 3.33 - 3.32
6	0.04
7	0.01
8	0.02
9	0.01
510	Trace
1	Trace
2	Trace
3	Trace
4	0.01
6	0.025
7	0.075
8	0.02
9	0.015
520	0.015
1	Trace
515	0.27

Sample No.	Oz. Gold
522	0.015
3	0.025
4	0.03
5	0.01
6	0.06
7	0.38
8	0.025
9	0.005
530	0.02
1	0.005
2	0.01
3	Trace
4	Trace
5	0.015
6	0.005
7	Trace
8	0.005
9	Trace
540	Trace
1	Trace
2	Trace
3	Trace
4	Trace
5	0.005
6	0.01
7	0.015
8	0.03
9	0.06
550	0.01
1	0.03
2	0.01

Continued...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 17934 **DATE:** June 2, 1981

SAMPLE(S) OF: Core(127) **RECEIVED:** May 1981

SAMPLE(S) FROM: Nickel Offsets Limited, submitted by Mr. C. J. Kuryliw

Sample No.	Oz. Gold	Sample No.	Oz. Gold
553	0.01	585	Trace
4	0.005	6	0.01
5	0.015	7	Trace
6	0.09	8	0.005
7	0.165	9	Trace
8	0.005	590	Trace
9	Trace	1	0.12
560	0.005	2	0.005
1	0.005	3	0.025
2	Trace	4	Trace
3	Trace	5	0.01
4	Trace	6	0.01
5	Trace	7	Trace
6	0.005	8	Trace
7	0.035	9	0.01
8	0.02	600	0.01
9	Trace	1	Trace
570	0.145	2	Trace
1	0.18 *	3	Trace
2	0.12 *	4	0.07
3	0.025	5	0.025
4	0.05	6	0.005
5	0.04	7	Trace
6	0.005	8	Trace
7	0.01	9	0.01
8	Trace	610	0.005
9	0.025	1	Trace
580	Trace	2	0.015
1	0.01	3	0.01
2	0.015	4	Trace
3	0.42 - 0.43	5	0.005
4	Trace	6	Trace

* Checked.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 20096 DATE: June 12, 1981

SAMPLE(S) OF: Core(30) RECEIVED: June 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
617	Trace	632	0.005
8	Trace	3	Trace
9	Trace	4	Trace
620	Trace	5	Trace
1	Trace	6	Trace
2	Trace	7	Trace
3	Trace	8	Trace
4	Trace	9	Trace
5	Trace	640	Trace
6	Trace	1	Trace
7	Trace	2	Trace
8	Trace	3	0.005
9	Trace	4	Trace
630	Trace	5	Trace
1	Trace	6	Trace

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 20774 DATE: June 16, 1981

SAMPLE(S) OF: Core(37) RECEIVED: June 1981

SAMPLE(S) FROM: Mr. C. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
647	Trace	666	Trace
8	0.005	7	Trace
9	Trace	8	Trace
650	Trace	9	0.015
1	0.005	670	Trace
2	Trace	1	Trace
3	0.005	2	Trace
4	Trace	3	Trace
5	0.005	4	Trace
6	Trace	5	Trace
7	Trace	6	Trace
8	Trace	7	Trace
9	Trace	8	Trace
660	Trace	9	0.005
1	Trace	680	Trace
2	Trace	1	Trace
3	Trace	2	0.005
4	Trace	3	0.005
5	Trace		

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 21507 DATE: June 23, 1981

SAMPLE(S) OF: Core(30) RECEIVED: June 1981

SAMPLE(S) FROM: Mr. Chester J. Kuryliw, Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold	
684	0.005	699	Trace	
5	0.005	700	Trace	
6	Trace	1	Trace	
7	Trace	2	Trace	
8	Trace	3	Trace	
9	0.005	4	Trace	
690	Trace	5	Trace	
1	Trace	6	Trace	End of Hole 81-4
2	Trace	7	0.095 *	
3	0.015	8	Trace	
4	Trace	9	0.015	
5	Trace	710	Trace	
6	0.02	1	Trace	
7	Trace	2	Trace	
8	Trace	3	Trace	

* Checked.

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 21973 **DATE:** June 26, 1981

SAMPLE(S) OF: Core(63) **RECEIVED:** June 1981

SAMPLE(S) FROM: Mr. Chester J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold
714	0.01
5	Trace
6	0.035
7	0.03
8	Trace
9	0.02
720	0.325 - 0.31
1	0.04
2	0.015
3	0.005
4	Trace
5	Trace
6	Trace
7	Trace
8	0.005
9	0.005
730	Trace
1	0.005
2	1.61 - 1.63
3	1.54 - 1.55 - 1.57
4	0.01
5	0.01
6	0.01
7	Trace
8	Trace
9	Trace
740	0.005
1	Trace
2	0.005
3	Trace
4	Trace

Sample No.	Oz. Gold
745	0.005
6	Trace
7	Trace
8	Trace
9	Trace
750	Trace
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	0.005
7	0.015
8	0.01
9	0.01
760	0.085 *
1	0.015
2	0.02
3	0.01
4	0.005
5	0.03
6	0.15 *
7	0.10 *
8	0.155 *
9	0.115 *
770	0.01
1	0.005
2	0.005
3	0.005
4	0.01
5	0.035
6	Trace

* Checked.

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 22925 DATE: July 7, 1981

SAMPLE(S) OF: Core(111) RECEIVED: July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
777	Trace	806	Trace
8	Trace	7	0.005
9	Trace	8	0.035
780	Trace	9	Trace
1	Trace	810	0.005
2	Trace	1	Trace
3	Trace	2	Trace
5	Trace	3	Trace
6	0.005	4	0.005
7	0.06 *	5	0.01
8	Trace	6	Trace
9	Trace	7	0.005
790	0.005	8	Trace
1	Trace	9	0.025
2	0.005	820	0.055
3	Trace	1	0.01
4	Trace	2	0.015
5	Trace	3	Trace
6	0.005	4	0.005
7	0.005	5	0.045
8	0.005	6	0.01
9	Trace	7	0.005
800	Trace	8	0.005
1	Trace	9	0.06 *
2	Trace	830	0.005
3	Trace	1	0.015
4	Trace	2	Trace
5	Trace	3	0.005

Continued...

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BELL-WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 22925 DATE: July 7, 1981

SAMPLE(S) OF: Core(111) RECEIVED: July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
834	0.035	862	0.01
5	0.02	3	0.015
6	0.10	4	0.005
7	0.05	5	0.005
8	0.03	6	Trace
9	0.01	7	0.02
840	0.02	8	Trace
1	0.01	9	Trace
2	0.04	870	0.06
3	Trace	1	0.015
4	0.01	2	0.025
5	0.01	3	0.05 *
6	0.015	4	Trace
7	0.095 *	5	0.035
8	0.015	6	Trace
9	0.005	7	Trace
850	Trace	8	0.005
1	0.03	9	0.005
2	0.03	880	0.005
3	0.04	1	0.01
4	0.005	2	0.005
5	0.01	3	0.005
6	0.01	4	0.015
7	0.015	5	0.005
8	0.015	6	0.025
9	0.055	7	0.02
860	Trace	8	Trace
1	0.02		

* Checked.

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 23913 Page 1 of 2 **DATE:** July 14, 1981

SAMPLE(S) OF: Core(136) **RECEIVED:** July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
889	0.26 - 0.25	923	Trace
890	0.055	4	0.005
1	0.01	5	0.01
2	0.045	6	0.03
3	0.01	7	0.045
4	0.01	8	Trace
5	0.005	9	0.01
6	0.02	930	0.015
7	0.05	1	Trace
8	0.005	2	0.005
9	0.02	3	0.025
900	0.02	4	0.005
1	0.005	5	0.005
2	0.005	6	Trace
3	0.02	7	Trace
4	0.025	8	Trace
5	0.01	9	Trace
6	Trace	940	Trace
7	Trace	1	0.005
8	0.015	2	0.01
9	0.005	3	0.015
910	0.025	4	0.01
1	0.02	5	0.005
2	Trace	6	0.01
3	0.005	7	0.07
4	0.045	8	Trace
5	Trace	9	0.005
6	0.01	950	0.005
7	0.015	1	0.015
8	Trace	2	0.01
9	0.045	3	0.015
920	Trace	4	0.015
1	0.01	5	0.025
2	0.01	6	0.04

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 23913 DATE: July 14, 1981

SAMPLE(S) OF: Core(136) RECEIVED: July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
957	0.005	991	Trace
8	0.01	2	0.005
9	0.01	3	0.02
960	0.005	4	0.015
1	0.025	5	Trace
2	0.025	6	0.06
3	Trace	7	Trace
4	0.005	8	0.01
5	0.01	9	Trace
6	0.015	1000	Trace
7	0.01	1	0.01
8	0.01	2	Trace
9	Trace	3 **	0.02 - 0.02 - 0.02
970	0.03	4	0.005
1	0.005	5	0.01
2	0.015	6	0.015
3	0.025	7	0.025
4	0.03	8	0.01
5	0.005	9	0.005
6	0.005	1010	Trace
7	0.01	1	0.005
8	0.005	2	0.005
9	Trace	3	0.005
980	0.035	4	0.005
1	0.02	5	Trace
2	0.005	6	Trace
3	0.77 - 0.75 - 0.78	7	Trace
4	0.02	8	Trace
5	0.01	9	Trace
6	0.005	1020	Trace
7	0.02	1	0.005
8	Trace	2	0.005
9	0.005	3	Trace
990	0.005	4	Trace

** This sample was marked V.G. - was run three times.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 24539

DATE: July 17, 1981

SAMPLE(S) OF: Core(35)

RECEIVED: July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
1025	Trace	1043	Trace
6	Trace	4	0.02
7	Trace	5	0.005
8	Trace	6	0.015
9	Trace	7	0.005
1030	Trace	8	0.015
1	Trace	9	0.005
2	Trace	1050	Trace
3	Trace	1	Trace
4	0.02	2	Trace
5	Trace	3	0.005
6	Trace	4	Trace
7	Trace	5	Trace
8	0.005	6	Trace
9	0.04	7	Trace
1040	Trace	8	Trace
1	Trace	9	Trace
2	Trace		

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

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P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 25833 DATE: July 27, 1981

SAMPLE(S) OF: Core(40) RECEIVED: July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, for Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
1060	0.005	1080	0.005
1	Trace	1	0.015
2	Trace	2	Trace
3	0.01	3	0.065
4	0.095	4	0.005
5	0.065	5	0.215 - 0.225
6	0.045	6	Trace
7	0.05	7	Trace
8	Trace	8	0.075
9	0.025	9	0.005
1070	0.025	1090	0.02
1	Trace	1	Trace
2	0.065	2	0.005
3	4.60 - 4.74 - 4.78	3	0.045
4	0.11	4	Trace
5	0.06	5	0.04
6	Trace	6	0.03 - 0.03
7	0.02	7	Trace
8	0.45 - 0.43 - 0.42	8	1.33 - 1.28 - 1.31
9	0.025	9	0.005

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P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 26456 **DATE:** July 30, 1981

SAMPLE(S) OF: Core(183) **RECEIVED:** July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw for Nickel Offsets Limited

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
1100	0.02	1132	0.04	1164	0.01
1	0.005	3	0.005	5	0.025
2	0.02	4	Trace	6	0.04
3	0.055	5	Trace	7	Trace
4	0.02	6	Trace	8	Trace
5	0.01	7	Trace	9	Trace
6	0.025	8	Trace	1170	Trace
7	0.005	9	Trace	1	0.005
8	0.06	1140	Trace	2	0.005
9	0.04	1	Trace	3	Trace
1110	0.035	2	Trace	4	0.005
1	0.005	3	0.01	5	Trace
2	0.01	4	Trace	6	0.005
3	0.005	5	Trace	7	0.01
4	Trace	6	0.255 - 0.255	8	0.065
5	0.015	7	0.03	9	0.02
6	0.045	8	Trace	1180	Trace
7	0.005	9	Trace	1	0.03
8	0.01	1150	0.005	2	Trace
9	0.005	1	0.01	3	0.005
1120	Trace	2	0.005	4	0.005
1	Trace	3	0.015	5	0.03
2	0.005	4	Trace	6	Trace
3	0.01	5	Trace	7	Trace
4	0.05	6	Trace	8	Trace
5	0.10 *	7	0.01	9	0.005
6	0.03	8	Trace	1190	0.005
7	0.025	9	Trace	1	0.01
8	0.015	1160	Trace	2	0.02
9	0.005	1	Trace	3	0.015
1130	0.06	2	Trace	4	0.04
1	0.005	3	0.005	5	0.005

Continued...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 26456 Page 2 of 2 **DATE:** July 30, 1981

SAMPLE(S) OF: Core(183) **RECEIVED:** July 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw for Nickel Offsets Limited

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
1196	Trace	1227	0.005	1258	0.005
7	0.005	8	0.005	9	0.01
8	0.015	9	0.005	1260	Trace
9	0.005	1230	0.005	1	0.005
1200	0.005	1	0.005	2	0.03
1	0.01	2	0.005	3	0.005
2	0.01	3	Trace	4	0.17 - 0.16
3	0.24 - 0.24	4	Trace	5	0.105
4	0.025	5	0.005	6	Trace
5	0.005	6	0.005	7	0.01
6	0.02	7	0.005	8	0.005
7	0.015	8	0.005	9	0.005
8	0.05	9	0.025	1270	0.015
9	0.01	1240	0.005	1	0.005
1210	0.02	1	0.005	2	0.005
1	0.02	2	Trace	3	Trace
2	0.005	3	Trace	4	0.005
3	0.005	4	0.025	5	0.005
4	0.005	5	Trace	6	0.085
5	0.02	6	0.025	7	0.02
6	0.005	7	0.015	8	0.005
7	0.005	8	0.065	9	Trace
8	Trace	9	0.01	1280	0.005
9	Trace	1250	0.28 - 0.29 - 0.31	1	Trace
1220	0.015	1	0.09	2	Trace
1	0.04	2	0.04		
2	0.025	3	0.065		
3	Trace	4	0.005		
4	Trace	5	0.005		
5	Trace	6	0.01		
6	0.01	7			

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P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 26686 **DATE:** August 4, 1981.

SAMPLE(S) OF: Core(55) **RECEIVED:** July 1981.

SAMPLE(S) FROM: Mr. Chester J. Kuryliw, Nickel Offsets Limited.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
1283	0.01	1311	Trace
4	0.005	2	Trace
5	Trace	3	0.005
6	0.015	4	0.02
7	0.02	5	0.02
8	0.005	6	0.05
9	0.005	7	0.015
1290	0.005	8	0.005
1	0.12	9	0.01
2	0.025	1320	0.01
3	0.015	1	0.005
4	0.005	2	0.01
5	0.015	3	Trace
6	0.005	4	Trace
7	0.005	5	Trace
8	0.005	6	Trace
9	Trace	7	Trace
1300	0.01	8	0.005
1	0.005	9	Trace
2	0.005	1330	0.005
3	0.02	1	0.01
4	0.01	2	0.05
5	0.025	3	0.005
6	Trace	4	0.005
7	Trace	5	Trace
8	Trace	6	Trace
9	0.005	7	Trace
1310	0.045		

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY. ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 27653 DATE: August 10, 1981.

SAMPLE(S) OF: Core(54) RECEIVED: August 1981.

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited.

Sample No.	Oz. Gold	Sample No.	Oz. Gold
1338	Trace	1365	Trace
9	0.005	6	Trace
1340	Trace	7	0.08
1	Trace	8	0.08
2	Trace	9	0.02
3	Trace	1370	Trace
4	0.01	1	Trace
5	Trace	2	Trace
6	Trace	3	Trace
7	0.055	4	Trace
8	0.005	5	Trace
9	Trace	6	Trace
1350	0.05	7	0.01
1	0.125**	8	Trace
2	Trace	9	0.005
3	Trace	1380	Trace
4	Trace	1A	Trace
5	0.005	1B	Trace
6	0.005	2	0.005
7	Trace	3	Trace
8	0.025	4	Trace
9	0.015	5	Trace
1360	0.01	6	Trace
1	0.01	7	Trace
2	0.005	8	Trace
3	0.015	9	0.002*
4	Trace	1390	Trace

* Estimated.
** Checked.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 28582 DATE: August 17, 1981

SAMPLE(S) OF: Core(46) RECEIVED: August 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
1391	0.01	1414	Trace
2	0.015	5	0.005
3	0.005	6	Trace
4	Trace	7	Trace
5	0.06	8	Trace
6	Trace	9	Trace
7	Trace	1420	Trace
8	0.005	1	Trace
9	Trace	2	Trace
1400	0.005	3	Trace
1	Trace	4	Trace
2	Trace	5	Trace
3	0.01	6	0.005
4	0.005	7	Trace
5	Trace	8	0.005
6	Trace	9	0.005
7	Trace	1430	0.005
8	Trace	1	0.005
9	Trace	2	0.005
1410	Trace	3	0.005
1	Trace	4	Trace
2	Trace	5	Trace
3	Trace	6	0.06

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P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 31363 **DATE:** September 11, 1981

SAMPLE(S) OF: Core(199) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
1437	0.005	1470	Trace
8	0.01	1	0.01
9	Trace	2	Trace
1440	0.01	3	Trace
1	Trace	4	0.01
2	Trace	5	0.005
3	Trace	6	0.005
4	Trace	7	Trace
5	0.525 - 0.52	8	Trace
6	0.48 - 0.46 - 0.475	9	Trace
7	Trace	1480	Trace
8	Trace	1	0.005
9	0.02	2	0.005
1450	Trace	3	Trace
1	Trace	4	Trace
2	Trace	5	0.005
3	Trace	6	Trace
4	Trace	7	Trace
5	Trace	8	Trace
6	Trace	9	Trace
7	Trace	1490	Trace
8	0.005	1	Trace
9	Trace	2	0.045
1460	0.005	3	0.005
1	Trace	4	0.005
2	0.005	5	0.025
3	0.045	6	0.005
4	Trace	7	0.005
5	0.005	8	0.005
6	Trace	9	0.005
7	Trace	1500	0.005
8	Trace	1	0.005
9	Trace	2	0.005

Cont'd...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 31363 **DATE:** September 11, 1981

SAMPLE(S) OF: Core(199) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Samp.No.	Oz. Gold
1503	0.005
4	0.005
5	0.005
6	0.005
7	0.005
8	Trace
9	Trace
1510	Trace
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
1520	Trace
1	0.005
2	0.005
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
1530	Trace
1	0.01
2	Trace
3	Trace
4	Trace
5	Trace

Samp.No.	Oz. Gold
1536	Trace
7	0.005
8	0.005
9	0.105 *
1540	0.05
1	0.005
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
1550	Trace
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
1560	Trace
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace

Cont'd...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per

BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 31363 **DATE:** September 11, 1981

SAMPLE(S) OF: Core(199) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
1569	Trace	1603	Trace
1570	Trace	4	Trace
1	Trace	5	0.01
2	0.005	6	0.005
3	Trace	7	0.005
4	Trace	8	0.02
5	Trace	9	0.02
6	Trace	1610	0.01
7	Trace	1	0.10 *
8	0.005	2	0.02
9	0.07 *	3	0.01
1580	Trace	4	0.10 *
1	0.005	5	0.025
2	0.02	6	0.01
3	0.02	7	Trace
4	0.005	8	Trace
5	0.01	9	Trace
6	0.085	1620	Trace
7	0.01	1	Trace
8	0.005	2	Trace
9	0.01	3	Trace
1590	0.01 - 0.02	4	Trace
1	0.005	5	0.05
2	0.035	6	0.005
3	0.03	1649	Trace
4	0.005	1650	0.015
5	0.005	1	0.005
6	0.01	2	0.015
7	0.08	3	0.075 *
8	0.005	4	0.005
9	0.005	5	0.185 *
1600	Trace	6	0.105 - 0.105
1	0.005	7	0.19 *
2	Trace		

* Checked.

ACCORDANCE WITH LONG-ESTABLISHED NORTH RICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED ERWISE GOLD AND SILVER VALUES REPORTED ON SE SHEETS HAVE NOT BEEN ADJUSTED TO COMPEN- E FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 33759 Page 1 of 2 **DATE:** September 25, 1981

SAMPLE(S) OF: Core(214) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. Kuryliw, Nickel Offsets Limited

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
1627	Trace	1672	Trace	1708	Trace
8	Trace	3	Trace	9	Trace
9	Trace	4	Trace	1710	Trace
1630	Trace	5	Trace	1	0.005
1	Trace	6	Trace	2	Trace
2	Trace	7	0.005	3	0.01
3	Trace	8	Trace	4	0.01
4	Trace	9	0.005	5	Trace
5	0.005	1680	0.005	6	0.01
6	0.005	1	0.01	7	Trace
7	0.01	2	0.005	8	Trace
8	0.005	3	Trace	9	0.02
9	0.005	4	0.005	1720	0.005
1640	0.01	5	Trace	1	Trace
1	Trace	6	0.005	2	Trace
2	0.025	7	0.005	3	0.005
3	0.11	8	0.005	4	Trace
4	0.01	9	0.005	5	0.01
5	Trace	1690	0.005	6	0.02
6	0.01	1	Trace	7	Trace
7	0.03	2	0.005	8	0.02
8	0.01	3	0.005	9	Trace
1658	0.02	4	0.005	1730	0.005
9	0.02	5	0.01	1	0.005
1660	0.005	6	0.005	2	0.005
1	0.02	7	0.025	3	0.005
2	0.005	8	0.005	4	0.005
3	0.015	9	Trace	5	Trace
4	0.005	1700	0.005	6	Trace
5	0.01	1	Trace	7	Trace
6	0.07	2	Trace	8	Trace
7	0.01	3	0.005	9	0.005
8	0.005	4	Trace	1740	Trace
9	0.015	5	Trace	1	Trace
1670	0.005	6	Trace	2	Trace
1	Trace	7	Trace	3	Trace

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 33759 Page 2 of 2 **DATE:** September 25, 1981

SAMPLE(S) OF: Core(214) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. Kuryliw, Nickel Offsets Limited

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
1744	Trace	1780	Trace	1816	0.005
5	Trace	1	Trace	7	0.03
6	Trace	2	0.015	8	Trace
7	Trace	3	0.005	9	Trace
8	0.005	4	Trace	1820	0.01
9	Trace	5	Trace	1	0.69 - 0.68 - 0.68
1750	0.015	6	0.005	2	0.025
1	0.01	7	0.01	3	0.045
2	0.30 - 0.32	8	0.04	4	0.03
3	0.01	9	Trace	5	0.01
4	Trace	1790	0.005	6	0.005
5	0.005	1	0.005	7	Trace
6	0.005	2	Trace	8	Trace
7	0.015	3	Trace	9	Trace
8	0.06	4	Trace	1830	Trace
9	0.40 - 0.435	5	0.035	1	0.015
1760	0.06	6	0.05	2	0.19 - 0.205
1	Trace	7	0.025	3	0.005
2	0.01	8	0.005	4	Trace
3	0.005	9	0.035	5	0.02
4	0.025	1800	0.015	6	Trace
5	0.005	1	0.025	7	0.005
6	0.01	2	0.335 - 0.345	8	Trace
7	Trace	3	0.01	9	0.005
8	Trace	4	0.005	1840	0.025
9	0.005	5	Trace	1	0.005
1770	0.005	6	Trace	2	0.01
1	Trace	7	0.015	3	0.005
2	Trace	8	Trace	4	0.01
3	0.005	9	0.005	5	0.005
4	0.03	1810	Trace	6	0.005
5	0.88 - 0.86 - 0.85 VG	1	0.065 - 0.055	7	0.005
6	0.02	2	Trace	8	0.005
7	0.01	3	Trace	9	0.005
8	Trace	4	Trace		
9	Trace	5	0.005		

N ACCORDANCE WITH LONG-ESTABLISHED NORTH MERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED THERWISE GOLD AND SILVER VALUES REPORTED ON HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENS ATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL-WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 34458 Page 1 of 2 **DATE:** September 29, 1981

SAMPLE(S) OF: Core(132) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. J. Kurylіw for Nickel Offsets Limited

Sample No.	Oz. Gold
1850	0.005
1	Trace
2	Trace
3	Trace
4	0.005
5	0.005
6	Trace
7	0.005
8	0.005
9	0.005
1860	Trace
1	1.62 - 1.50
2	0.16
3	0.005
4	0.36 - 0.38
5	0.035
6	0.47 - 0.45 - 0.43
7	0.015
8	0.045
9	0.44 - 0.44
1870	0.375 - 0.39
1	0.03
2	0.075
3	0.005
4	0.095
5	0.06
6	Trace
7	0.03
8	0.005
9	0.005
1880	Trace
1	0.24 - 0.24
2	Trace

Sample No.	Oz. Gold
1883	Trace
4	0.04
5	0.005
6	0.01
7	Trace
8	Trace
9	0.03
1890	Trace
1	Trace
2	0.005
3	Trace
4	0.005
5	0.005
6	0.005
7	0.01
8	Trace
9	Trace
1900	0.005
1	0.005
2	0.015
3	0.07
4	0.02
5	0.01
6	0.01
7	0.01
8	0.245 - 0.21 - 0.21
9	0.03
1910	0.035
1	0.025
2	0.015
3	0.005
4	0.005
5	0.115 - 0.125

Cont'd...

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON *THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE* FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 34458 **DATE:** September 29, 1981

SAMPLE(S) OF: Core(132) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, for Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
1916	0.01	1949	Trace
7	0.01	1950	Trace
8	0.005	1	0.02
9	0.025	2	Trace
1920	Trace	3	Trace
1	0.125	4	Trace
2	0.005	5	0.01
3	0.025	6	0.02
4	0.175	7	0.005
5	0.03	8	0.005
6	Trace	9	0.005
7	0.005	1960	0.005
8	0.255 - 0.24	1	0.015
9	Trace	2	0.005
1930	Trace	3	Trace
1	0.005	4	Trace
2	0.005	5	0.025
3	0.005	6	0.01
4	0.02	7	Trace
5	0.025	8	Trace
6	0.035	9	Trace
7	0.005	1970	Trace
8	0.055	1	Trace
9	0.005	2	Trace
1940	0.005	3	0.005
1	0.005	4	Trace
2	0.005	5	Trace
3	0.015	6	Trace
4	0.015	7	0.005
5	0.005	8	0.005
6	0.005	9	0.005
7	Trace	1980	0.015
8	Trace	1	0.015

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 35724 DATE: October 5, 1981

SAMPLE(S) OF: Core(167) RECEIVED: September 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw for Nickel Offsets Ltd.

Samp. No.	Oz. Gold
1982	0.015
3	0.065
4	0.05
5	0.035
6	0.05
7	0.085
8	0.015
9	0.225 - 0.23
1990	0.045
1	0.03
2	0.005
3	Trace
4	0.005
5	Trace
6	Trace
7	0.06
8	Trace
9	Trace
2000	Trace
1	Trace
2	Trace
3	0.065
4	0.01
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
2010	Trace
1	0.005
2	Trace

Samp. No.	Oz. Gold
2013	0.13 - 0.12
4	0.005
5	0.035
6	Trace
7	Trace
8	0.01
9	Trace
2020	0.005
1	0.02
2	0.005
3	0.005
4	0.11 - 0.11
5	0.005
6	0.005
7	0.005
8	Trace
9	0.03
2030	0.04
1	0.27 - 0.25 - 0.265
2	0.065
3	0.03
4	0.025
5	0.01
6	0.755 - 0.78 - 0.765
7	0.025
8	0.01
9	0.01
2040	0.005
1	0.02
2	Trace

Cont'd...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 35724 **DATE:** October 5, 1981

SAMPLE(S) OF: Core(167) **RECEIVED:** September 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw for Nickel Offsets Ltd.

Samp. No.	Oz. Gold	Samp. No.	Oz. Gold
2043	0.105 - 0.115 - 0.105	2073	0.19 - 0.17
4	0.155 - 0.16 - 0.155	4	0.035
5	0.165 - 0.155	5	7.67 - 7.64 - 7.63
6	Trace	6	0.03
7	0.02	7	0.035
8	0.005	8	Trace
9	1.67 - 1.65 - 1.65	9	0.005
2050	0.005	2080	0.015
1	0.01	1	0.015
2	0.02	2	Trace
3*	5.20 - 5.43 - 5.39	3	Trace
4	0.04	4	Trace
5	0.02	5	Trace
6	0.005	6	0.005
7	Trace	7	0.055
8	0.005	8	0.01
9	0.01	9	Trace
2060	0.04	2090	Trace
1	0.01	1	Trace
2	Trace	2	Trace
3	0.055	3	Trace
4	Trace	4	Trace
5	0.005	5	Trace
6	0.01	6	0.02
7	0.005	7	Trace
8	0.005	8	Trace
9	0.035	9	Trace
2070	0.005	2100	Trace
1	0.055	1	Trace
2	0.005	2	0.005

Cont'd...

* Samp.No. 2053 - 0.83 Oz. Silver

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 35724 Page 3 of 3 DATE: October 5, 1981

SAMPLE(S) OF: Core(167) RECEIVED: September 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw for Nickel Offsets Ltd.

Samp. No.	Oz. Gold
2103	0.005
4	Trace
5	Trace
6	0.005
7	Trace
8	Trace
9	Trace
2110	Trace
1	Trace
2	Trace
3	Trace
4	0.03
5	Trace
6	0.025
7	0.005
8	0.01
9	Trace
2120	0.02
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	0.025

Samp. No.	Oz. Gold
2127	0.005
8	Trace
9	Trace
2130	Trace
1	Trace
2	Trace
3	Trace
4	0.005
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
2140	0.005
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 36290 DATE: October 7, 1981

SAMPLE(S) OF: Core(82) RECEIVED: October 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, for Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
2149	Trace	2179	Trace
2150	Trace	2180	0.12 - 0.14 1.09/3.
1	Trace	1	0.085
2	Trace	2	0.06
3	Trace	3	0.005
4	0.01	4	Trace
5	0.005	5	Trace
6	0.005	6	Trace
7	Trace	7	Trace
8	Trace	8	Trace
9	0.005	9	Trace
2160	Trace	2190	Trace
1	Trace	1	Trace
2	Trace	2	Trace
3	0.005	3	Trace
4	0.005	4	Trace
5	Trace	5	Trace
6	Trace	6	Trace
7	Trace	7	Trace
8	0.01	8	0.01
9	Trace	9	Trace
2170	0.005	2200	Trace
1	0.005	1	0.005
2 *	Trace	2	Trace
3	Trace	3	Trace
4	Trace	4	Trace
5	Trace	5	Trace
6	Trace	6	Trace
7	Trace	7	Trace
8	Trace	8	Trace

* Samp.No. 2172 - Trace Oz. Silver.

Cont'd...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 36290 **DATE:** October 7, 1981

SAMPLE(S) OF: Core(82) **RECEIVED:** October 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, for Nickel Offsets Limited

Sample No.	Oz. Gold	Sample No.	Oz. Gold
2209	Trace	2220	Trace
2210	Trace	1	Trace
1	Trace	2	Trace
2	Trace	3	Trace
3	0.005	4	Trace
4	0.01	5	0.005
5	0.005	6	Trace
6	Trace	7	Trace
7	Trace	8	0.015
8	Trace	9	0.015
9	Trace	2230	Trace

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 37509 DATE: October 13, 1981

SAMPLE(S) OF: Core(219) RECEIVED: October 1981

SAMPLE(S) FROM: Mr. C. Kuryliw, for Nickel Offsets Ltd.

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
2231	Trace	2261	Trace	2291	0.045
2	Trace	2	Trace	2	0.125 *
3	Trace	3	Trace	3	0.04
4	Trace	4	Trace	4	Trace
5	Trace	5	0.115	5	0.005
6	Trace	6	0.02	6	0.01
7	Trace	7	0.035	7	Trace
8	Trace	8	Trace	8	Trace
9	Trace	9	0.055	9	0.005
2240	Trace	2270	0.04	2300	Trace
1	Trace	1	0.03	1	0.005
2	Trace	2	0.01	2	Trace
3	0.02	3	0.085 *	3	Trace
4	0.005	4	0.005	4	Trace
5	Trace	5	Trace	5	Trace
6	Trace	6	0.005	6	0.005
7	Trace	7	0.025	7	Trace
8	Trace	8	0.005	8	0.005
9	Trace	9	0.005	9	0.005
2250	Trace	2280	0.005	2310	0.005
1	0.005	1	0.025	1	Trace
2	Trace	2	0.115	2	Trace
3	Trace	3	0.04	3	0.005
4	Trace	4	0.005	4	0.005
5	Trace	5	Trace	5	0.005
6	Trace	6	0.01	6	0.03
7	Trace	7	0.035	7	0.005
8	Trace	8	0.005	8	0.02
9	Trace	9	0.005	9	0.045
2260	Trace	2290	0.11 *	2320	0.005

* Checked.

Cont'd...

IN ACCORDANCE WITH LONG-ESTABLISHED NORTH AMERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED OTHERWISE GOLD AND SILVER VALUES REPORTED ON THESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPENSATE FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

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BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 37509 **DATE:** October 13, 1981

SAMPLE(S) OF: Core(219) **RECEIVED:** October 1981

SAMPLE(S) FROM: Mr. C. Kuryliw, for Nickel Offsets Ltd.

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
2321	0.025	2351	0.18 *	2381	0.04
2	0.005	2	0.005	2	0.02
3	0.06	3	0.005	3	0.01
4	0.015	4	Trace	4	0.02
5	Trace	5	0.005	5	0.02
6	Trace	6	0.005	6	0.005
7	Trace	7	Trace	7	0.01
8	Trace	8	Trace	8	0.035
9	Trace	9	Trace	9	Trace
2330	0.02	2360	0.05	2390	0.015
1	0.01	1	0.03	1	0.04
2	Trace	2	0.01	2	0.07
3	Trace	3	Trace	3	0.025
4	Trace	4	Trace	4	0.035
5	Trace	5	0.005	5	0.01
6	Trace	6	0.005	6	0.005
7	0.02	7	Trace	7	Trace
8	0.12	8	0.005	8	0.06
9	0.105 *	9	0.005	9	0.11 *
2340	0.02	2370	Trace	2400	0.055
1	0.005	1	0.005	1	0.005
2	Trace	2	0.005	2	0.005
3	0.01	3	0.005	3	Trace
4	Trace	4	Trace	4	0.005
5	0.035	5	Trace	5	0.005
6	0.05	6	Trace	6	0.065
7	0.015	7	Trace	7	0.01
8	Trace	8	Trace	8	0.005
9	Trace	9	0.005	9	Trace
2350	0.005	2380	Trace	2410	0.005

* Checked.

Cont'd...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

BELL - WHITE ANALYTICAL LABORATORIES LTD.
P.O. BOX 187, HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 37509

DATE: October 13, 1981

SAMPLE(S) OF: Core(219)

RECEIVED: October 1981

SAMPLE(S) FROM: Mr. C. Kuryliw, for Nickel Offsets Ltd.

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
2411	Trace	2424	Trace	2427	0.005
2	0.005	5	0.005	8	0.005
3	Trace	6	0.03	9	0.005
4	Trace	7	0.04	2440	Trace
5	Trace	8	0.02	1	0.005
6	Trace	9	0.005	2	0.015
7	0.005	2430	0.005	3	0.025
8	Trace	1	0.015	4	0.005
9	Trace	2	0.01	5	0.005
2420	Trace	3	0.105	6	Trace
1	Trace	4	0.005	7	Trace
2	0.02	5	0.235	8	0.01
3	Trace	6	0.005		

Note: Sample No. 2172 - 0.26 % Zinc.

ACCORDANCE WITH LONG-ESTABLISHED NORTH RICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED ERWISE GOLD AND SILVER VALUES REPORTED ON SE SHEETS HAVE NOT BEEN ADJUSTED TO COMPEN- FOR LOSSES AND GAINS INHERENT IN THE FIRE ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 38219 Page 1 of 2 **DATE:** October 19, 1981

SAMPLE(S) OF: Core(197) **RECEIVED:** October 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Samp.No.	Oz. Gold	Samp.No.	Oz. Gold	Samp.No.	Oz. Gold
2449	0.005	2482	0.02	2515	0.11 - 0.115
2450	0.005	3	Trace	6	0.015
1	Trace	4	Trace	7	Trace
2	Trace	5	0.035	8	Trace
3	Trace	6	0.05	9	Trace
4	Trace	7	0.045	2520	0.005
5	0.015	8	0.08	1	Trace
6	0.005	9	0.025	2	Trace
7	0.005	2490	0.065	3	Trace
8	Trace	1	Trace	4	0.005
9	0.01	2	Trace	5	Trace
2460	Trace	3	Trace	6	Trace
1	0.005	4	Trace	7	0.035
2	0.005	5	Trace	8	0.22 - 0.215
3	0.05	6	0.005	9	0.02
4	0.01	7	Trace	2530	0.025
5	0.04	8	Trace	1	Trace
6	0.005	9	Trace	2	0.005
7	0.01	2500	Trace	3	0.025
8	0.02	1	Trace	4	0.005
9	Trace	2	Trace	5	0.005
2470	Trace	3	Trace	6	0.18 - 0.11
1	0.075	4	Trace	7	0.015
2	0.055	5	Trace	8	0.005
3	0.03	6	Trace	9	Trace
4	Trace	7	Trace	2540	Trace
5	Trace	8	Trace	1	0.05
6	Trace	9	Trace	2	0.005
7	Trace	2510	Trace	3	Trace
8	Trace	1	Trace	4	Trace
9	Trace	2	Trace	5	Trace
2480	0.005	3	Trace	6	Trace
1	Trace	4	0.005	7	Trace

Cont'd...

BELL-WHITE ANALYTICAL LABORATORIES LTD.

Per

BELL - WHITE ANALYTICAL LABORATORIES LTD.

P.O. BOX 187. HAILEYBURY, ONTARIO TEL: 672-3107

Certificate of Analysis

NO. 38219 **DATE:** October 19, 1981

SAMPLE(S) OF: Core(197) **RECEIVED:** October 1981

SAMPLE(S) FROM: Mr. C. J. Kuryliw, Nickel Offsets Ltd.

Samp.No.	Oz. Gold
2548	Trace
9	0.01
2550	Trace
1	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
2560	0.005
1	0.005
2	0.03
3	0.075 - 0.065
4	0.005
5	0.055
6	0.015
7	0.005 - 0.005
8	0.005
9	Trace
2570	Trace
1	0.03
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
2580	0.025

Samp.No.	Oz. Gold
2581	Trace
2	Trace
3	Trace
4	Trace
5	Trace
6	Trace
7	Trace
8	Trace
9	Trace
2590	0.005
1	0.005
2	Trace
3	0.005
4	0.05
5	Trace
6	0.005
7	0.005
8	Trace
9	Trace
2600	0.005
1	Trace
2	Trace
3	Trace
4	0.005
5	0.005
6	0.005
7	0.01
8	Trace
9	0.01
2610	1.32 - 1.34 - 1.37
1	0.005
2	0.01
3	Trace

Samp.No.	Oz. Gold
2614	0.005
5	0.08
6	0.005
7	0.09
8	0.005
9	0.005
2620	0.005
1	0.075
2	0.375 - 0.38 - 0.365
3	0.01
4	0.01
5	4.26 - 4.19 - 4.40 - 4.16
6	Trace
7	0.01
8	0.54 - 0.54
9	Trace
2630	Trace
1	Trace
2	0.015
3	Trace
4	Trace
5	Trace
6	0.005
7	Trace
8	0.01
9	0.005
2640	0.005
1	0.09 - 0.105
2	0.01
3	0.055
4	0.005
5	0.005

ACCORDANCE WITH LONG-ESTABLISHED NORTH
MERICAN CUSTOM, UNLESS IT IS SPECIFICALLY STATED
THERWISE GOLD AND SILVER VALUES REPORTED ON
HESE SHEETS HAVE NOT BEEN ADJUSTED TO COMPEN-
ATE FOR LOSSES AND GAINS INHERENT IN THE FIRE
ASSAY PROCESS.

BELL-WHITE ANALYTICAL LABORATORIES LTD.

PER

INTERNATIONAL MINE SERVICES LIMITED

SUITE 1601, 8 KING STREET EAST

TORONTO M5C 1B5, CANADA

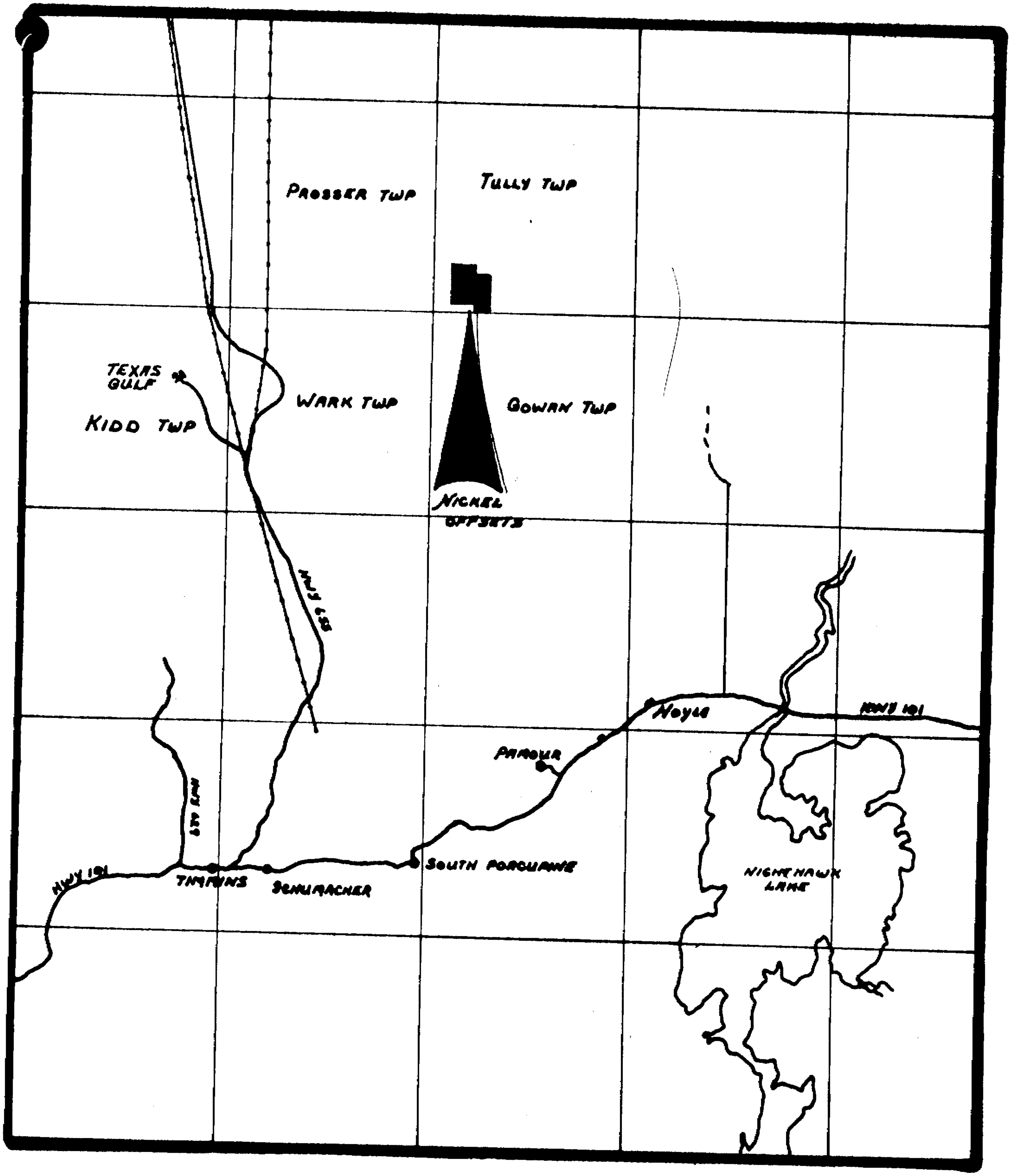
TELEPHONE
(416) 366-2702

February 15, 1982

Review and Status Report
NICKEL OFFSETS, LIMITED
Tully Township Project

The Nickel Offsets Limited property in Tully Township, Porcupine Mining District of Ontario has significant gold mineralization consisting of native gold in quartz-filled fracture systems in an east-west trending band of steeply-dipping volcanic tuffs. Drilling through the thick overburden has outlined the mineralized zones and permitted the company to develop a plan for underground development and production based on a tentative tonnage of 650,000 tons of 0.17 oz per ton ore.

The property consists of sixteen claims comprising some 645 acres (see property map, Figure 1) situated in the southwest part of Tully Township, about 18 miles north northeast of the city of Timmins. Access to the property is gained by secondary and timber roads leading north and westward from Hoyle, Ontario, or eastward from Hwy 655 by means of winter roads in season.



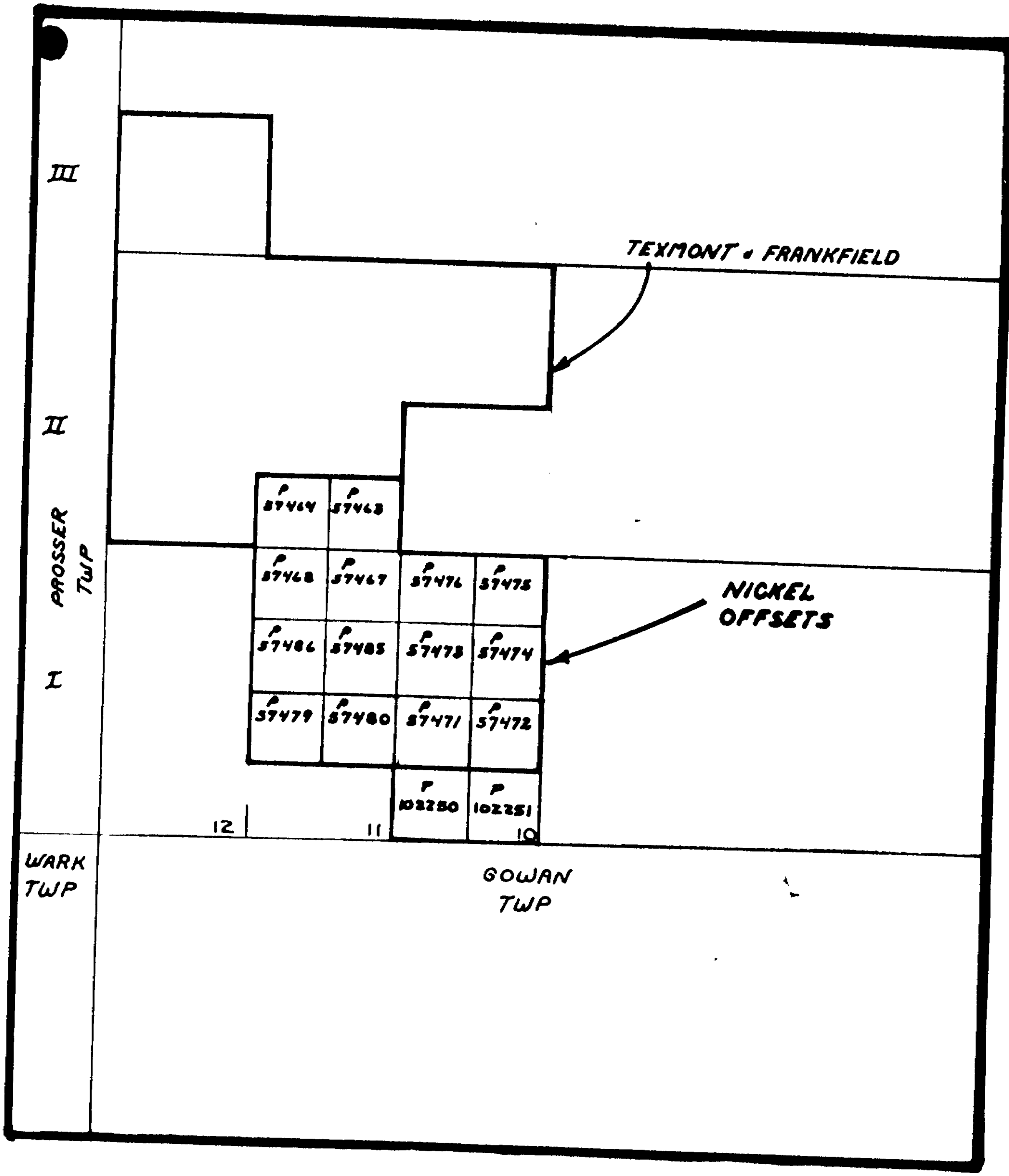
NICKEL OFFSETS LTD.

LOCATION MAP

SCALE 1" = 4 MI.

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

Oct 31/80



NICKEL OFFSETS LTD.
CLAIM GROUP
TULLY TWP., ONT.

SCALE 1" = ½ MI.

REGISTERED PROFESSIONAL ENGINEER C. J. KURYLIW PROVINCE OF O...

C.J.K. Oct 31/58

This review is based on reports and data in the Company's files in Toronto. The principal reports used are listed in the references.

History

Nickel Offsets purchased a group of 30 claims in Tully Township in 1964. Of these, sixteen were allowed to expire and the remaining fourteen form the majority of the claim block now held. In an agreement signed November 27, 1968, the fourteen claims were optioned to McIntyre Porcupine Mines Limited, who had found a major electromagnetic conductor on the property as the result of an aerial geophysical survey made in 1964. By the terms of this agreement, McIntyre had the option, for three years, of gaining an 80% interest in a new company that would be set up to develop the claims, and Nickel Offsets would gain a 20% carried interest in any resultant venture. The two southeasternmost claims were added later to form the present group of 16 claims.

A ground EM survey indicated a 2,000 foot-long east-west conductor located along the north flank of a linear magnetic anomaly. McIntyre found that the anomaly was due to a graphitic horizon in a thin series of andesitic tuffs; the tuffs however contained fracture-systems filled by quartz and carbonate in which pyrite and visible gold were observed. McIntyre went on to drill 25 holes in 1969, totalling 14,675 feet, and intersected an irregular gold-bearing zone about 50 feet wide within a steeply-dipping narrow series of "highly silicified andesites" and andesitic tuffs about 100 feet wide which lay between a "peridotite sill" to the south (which gave the high magnetic anomaly) and steeply-dipping sediments on the north. Mineralization was found to be very spotty and erratic however, and although values were very good in some sectors, any systematic key to mineralization was not apparent. Metallurgical testing on the ore in the laboratories of the Federal Mines Branch at Ottawa (1) and at the McIntyre mill indicated that

a) some 50-70% of the gold was free-milling
b) it was possible to develop a simple flow sheet utilizing gravity, amalgamation and cyanidation, that would recover 96.5% of gold and 91.5% of silver
c) the graphite in the ore is inactive and would not inhibit gold recovery

In late 1969, work ceased and the property lay dormant until Nickel Offsets Limited was acquired in 1979 by a new group headed by Stephen Kay.

Development

On taking over the controlling interest in Nickel Offsets, the new directors immediately set out to reactivate the company and to evaluate its properties, with particular interest being given to the Tully Township gold prospect. As well, an agreement was reached with McIntyre and Selection Trust to increase the Nickel Offsets interest in the venture to 75% (while reducing that of McIntyre and Selco to 25%) through the agreed expenditure of $250,000 on exploration by Nickel Offsets.

A consultant, Leo G. Phelan was engaged to review the property and in October, 1979 he recommended a program of 11,600 feet of drilling which was proposed to test the ore at shallower (less than 300 feet) and deeper (greater than 520 feet) levels, and to extend the zone on strike. Phelan calculated (2) that about 500,000 tons of 0.184 oz/ton ore were present between two elevations, and between lines 35W and 48W west approximately.

Another consultant with abundant direct experience in the evaluation and development of northern Ontario gold deposits, C. J. Kuryliw, was engaged to design and oversee the new drilling and testing project.

In the beginning of 1980, $350,000 was raised through a rights offering to carry out this exploration plan. A program involving two drills was completed by May 1980, comprising 17 holes totalling 10,106 feet. A new working model evolved in which the fracture systems were seen to rake downward to the east within the tuff band, and the last three holes were drilled on this premise. Results tended to confirm the hypothesis, and a number of "vein-trends", dipping northwards and raking eastwards within the tuffs, were blocked out and formed the basis for subsequent between-hole ore reserve interpolations.

The investigations were continued through 1981, when an additional $300,000 was raised to attempt to confirm and expand the mineralization pattern. Holes were put down on a closer spacing, and an attempt was made to reach lower levels in the tuff. Sixteen holes totalling 10,937 feet were completed. Mineralization was confirmed over a strike length of 1,250' from 3,530 to 4,800 E and to a depth of 1,125 feet. New sets of mineralized fracture zones were intersected at depths of 700, 800 and 1,000 feet. The net results of the 1981 drilling were the confirmation of the tentative 1980 drilling result of 650,000 tons of 0.17 oz/ton ore, and the discovery of the westward extension of the mineralization in the upper level, and of the new deep zones.

During 1981 several other aspects of developmental work were carried out, as follows:

1) A right-of-way for road and power entry (7.7 miles long) was surveyed and a topographic and engineering survey of the route was prepared.

2) A magnetometer survey of the property was completed, which outlined several new geological areas of interest.

3) Arrangements have been made for a soils engineering study of the proposed shaft and plant area.

4) Discussions, for information purposes only, were held with construction companies conversant with shaft, collar and mine-plant work.

5) A review of metallurgical data was made and meetings were held with two prospective custom-milling plants.

At the present moment, independent reviews of the tonnage, grade and mineability of the deposit are being made by consulting geological engineers.

Geology

There is almost no outcrop to be seen in Tully or the immediately surrounding townships. Bedrock geology is inferred from drill-holes and from airborne and ground magnetic surveys.

The topography is very flat and poorly drained. Glacial tills and lake-clays tens to hundreds of feet thick cover the bedrock. In the area of the Nickel Offsets mineralization the overburden is 90 to 160 feet thick.

Aerial magnetics and regional interpretation (3) show a generally east-west trending series of felsic to ultrabasic volcanics and their volcanoclastic equivalents, and metasediments derived from them, intruded by acid to intermediate intrusives (quartz-feldspar porphyries, diorites) and mafic and ultramafic sills and dykes (peridotites, dunites, serpentinite). These rocks are folded and faulted into a complex of anticlines and synclines with generally east-west axes; folds may be open or tightly convoluted. A swarm of north-south trending diabase dykes are the youngest notable rock-type.

The bedrock units so far recognized on the Nickel Offsets property are the following:

1. Serpentinite (peridotite). Forms an east-west trending magnetic high 1,000 feet to 2,000 feet wide across the property, with a very high magnetic contrast. It is seen in core as a soft, highly-altered serpentinite with talcose fracture-fillings. This has been interpreted as an intrusive peridotite, but spinafex textures and broadly laminate structure (as seen elsewhere in the belt, notably at Kidd Creek Mines) would indicate an extrusive origin.

2. Andesitic-dacitic tuff sequence, a steeply north-dipping sequence of well-bedded gray-green volcanic tuffs, 75 to 150 feet thick which have a linear, slightly undulating sub-crop. The southern (lower) portion of the tuff sequence is more basic in character and tends to be less favourable to mineralization. The band changes strike to west south-west at about 39E, and west of that point its dip becomes shallower at depth.

3. Metasediments. North of the tuffs is a series of fine-grained carbonaceous argillites, or phyllites; well-bedded, with fine, well-preserved sedimentary structures such as graded bedding and sedimentary banding. The thickness of this sequence is unknown but is at least several hundred feet.

Mineralization

Mineralization occurs only in the tuff sequence. The gold-bearing structures consist of several sets of quartz-filled fracture zones, carrying lesser carbonate. The host rock enveloping these zones is highly altered, carbonatized and chloritized (2) and forms a characteristic horizon within the tuff sequence. The quartz is white vein-quartz and varies from hairline veinlets to extensive stock-works to massive sections several feet thick. These stock-works are not continuous nor easily extrapolated from hole to hole, as their orientations are at variance with the structure of the tuff horizon and in places appear to be almost randomly distributed within the tuff block. They are numerous, as one hole may intercept two or three or more such zones. Kuryliw (4,5) postulates from intersection angles that these rake eastward at about 20°.

The gold occurs in the quartz, with pyrite and lesser chalcopyrite and rarely, galena, sphalerite and arsenopyrite. About 50 - 75% of the gold is free-milling (est. by McIntyre); the remainder is intimately associated with pyrite, and some possible gold telluride minerals have been observed.

Because of 1) the difficulty of projecting mineralized structures vertically or along strike, 2) the highly erratic nature of mineralization, 3) the lack of key marker horizons within the tuff, and 4) the impossibility of the accurate surveying of many holes, the grade/tonnage estimates have varied considerably over time. The real values will only be definable after underground drilling. The table on the next page summarizes the information to date on grade/tonnage estimates by various geologists.

TULLY PROJECT - GRADE/TONNAGE ESTIMATES

1969 - 1982

Estimator	Year	Length	Depth	Tonnage	Grade	Notes
McIntyre (6)	1969	1100'	200' to 500'	835,000	0.22	Calculation assumptions unknown
Phelan (2)	1979	1300'	275' to 520'	500,000 or 300,000	0.184 0.283	(Nine sub-parallel (zone-blocks, geological
Kuryliw (4)	1980	750'	150' to 600'	650,000 or 300,000	0.17 0.27	Cut, diluted Cut, diluted
Kuryliw (5)	1982	1250'	150' to 875'	650,000 or 650,000	0.17 0.23	Cut, diluted Uncut, diluted

Conclusion

Further studies should be completed to confirm the ore reserves available for mining, to estimate mining development costs and to define the limits of mineralization more clearly. This will not involve a large additional expenditure of time or resources.

Based on these studies, either a program for underground development will be drafted, or a program of further surface exploration will be designed to further test the ore body by surface drilling and to examine some heretofore untested areas of the property.

The most important task at this time of writing is to gain as much information and guidance as possible from the data on hand, to permit the most prudent possible decisions on the next steps in property development.

R. Lynn Moxham, Ph.D., P.Eng.
Toronto, Ontario
February 15, 1982

REGISTERED PROFESSIONAL ENGINEER
R.L. MOXHAM
PROVINCE OF ONTARIO

References

1. Mines Branch, Government of Canada (1970), Investigation Report 1R70- Investigation of a Gold Ore from Tully Township, Ontario.

2. Phelan, Leo G. (Oct 1979), Report on a Gold Prospect in Tully Township, Ontario.

3. Ontario Geological Survey (1971), Preliminary Map P. 699, Tully Township, District of Cochrane.

4. Kuryliw, Chester J. (1980), Report on Nickel Offsets Limited, Tully Township, Porcupine Mining Division, Ontario.

5. ——————————— (1981), Report on Nickel Offsets Limited, Tully Township, Porcupine Mining Division, Ontario.

6. Phelan, Leo G. (June 1979), Report on Nickel Offsets Limited Gold Prospect, Tully Township, Ontario.

PRECAMBRIAN

EARLY AND LATE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS[a]

10 — 10 Diabase (dikes)

INTRUSIVE CONTACT

MAFIC AND ULTRAMAFIC ROCKS

6 — 6 Unsubdivided mafic rocks
- 6a Gabbro, quartz gabbro, diorite (simple stocks, sills and dikes)
- 6b Norite, anorthositic norite, noritic gabbro, hornblendite, quartz gabbro, metagabbro (complex (layered) intrusions)

5 — 5 Unsubdivided mafic-ultramafic rocks
- 5a Serpentinized dunite, peridotite, pyroxenite (simple sill-like lenses, possibly some flow units)
- 5b Gabbro, diorite and contact hybrid zones related to 5a
- 5c Serpentinized dunite, peridotite, pyroxenite (complex differentiated sills)
- 5d Gabbro and granophyric gabbro (related to 5c)

INTRUSIVE CONTACT

EARLY (SUBVOLCANIC) INTRUSIVE ROCKS[b]

4 — 4 Unsubdivided
- 4a Quartz porphyry, quartz-feldspar porphyry, feldspar porphyry (subvolcanic stocks and dikes)
- 4b Quartz diorite, diorite and mafic subvolcanic rocks (stocks and dikes)

INTRUSIVE CONTACT

METAVOLCANICS AND METASEDIMENTS[c]

3 — 3 Unsubdivided
- 3a Felsic lapilli, ash, welded and reworked tuff
- 3b Intermediate-mafic lapilli, ash and reworked tuff
- 3c Greywacke, grit, arkosic sandstone, slate
- 3d Graphitic lapilli tuff and slate
- 3e Intermediate-felsic flows
- 3f Ferruginous chert and tuffite
- 3g Amphibolites, mica schist, quartz-mica schist, phyllite

IF — IF Iron formation

FELSIC METAVOLCANICS[c]

2 — 2 Unsubdivided
- 2a Rhyolite-rhyodacite flows, flow breccias
- 2b Rhyolitic tuff, banded chert, tuff breccia
- 2c Rhyolitic agglomerate, breccia
- 2d Graphitic lapilli tuff, tuff breccia
- 2e Sericite and chlorite-sericite schist
- 2f Quartz-mica schist, quartzose feldspathic schists and gneiss

IF — IF Iron formation

MAFIC TO INTERMEDIATE METAVOLCANICS[c]

1 — 1 Unsubdivided
- 1a Dacitic flows, flow breccia
- 1b Dacitic tuff, tuff breccia
- 1c Dacitic agglomerate, breccia
- 1d Andesite-basalt flows
- 1e Mafic tuff and agglomerate
- 1f Chlorite and sericite-chlorite schist
- 1g Amphibolite, amphibolite schist, hornblende-quartz-feldspar gneiss

IF — IF Iron formation

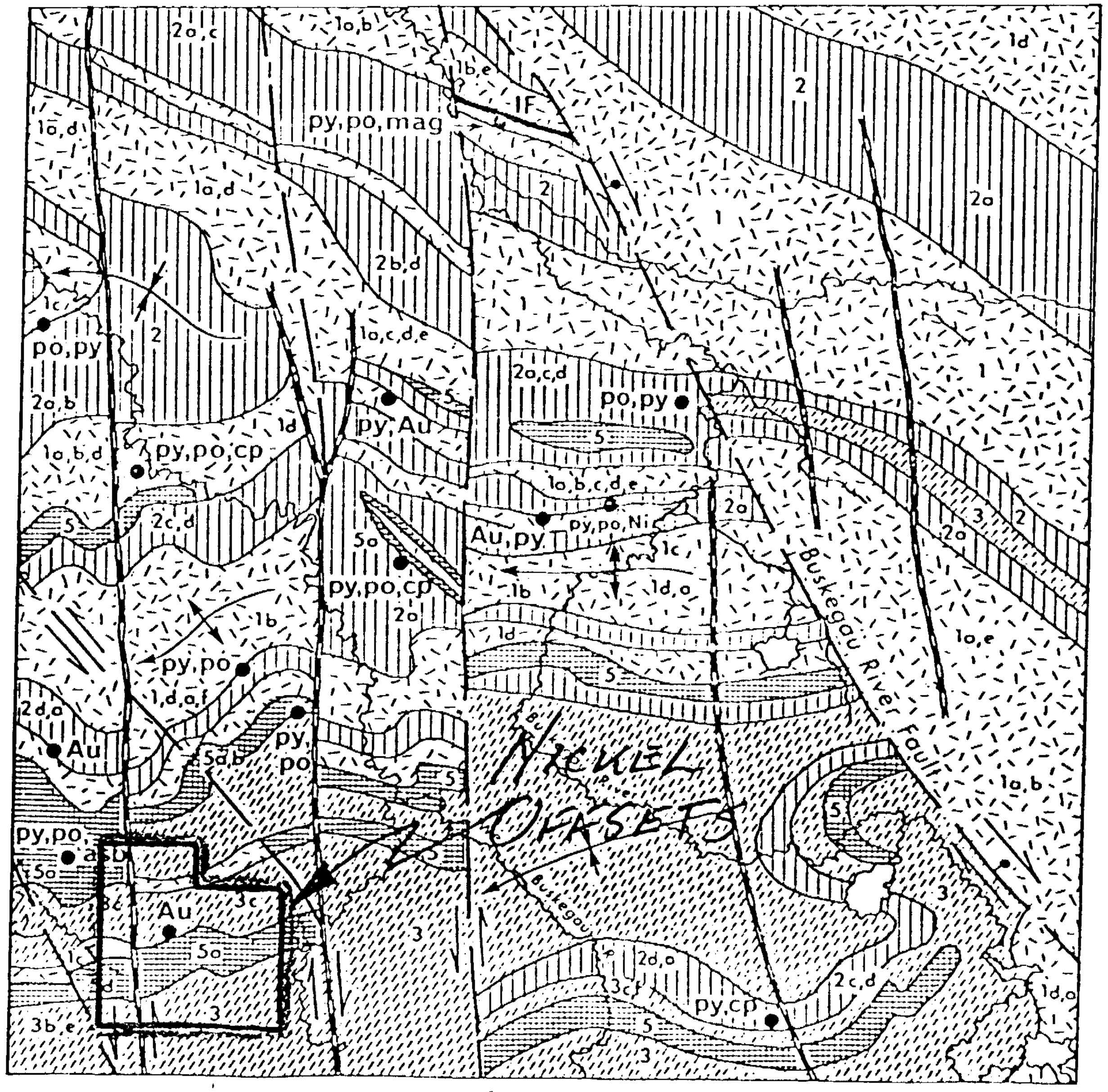
ONTARIO DEPARTMENT OF MINES AND NORTHERN AFFAIRS

PRELIMINARY MAP P.699

TIMMINS DATA SERIES

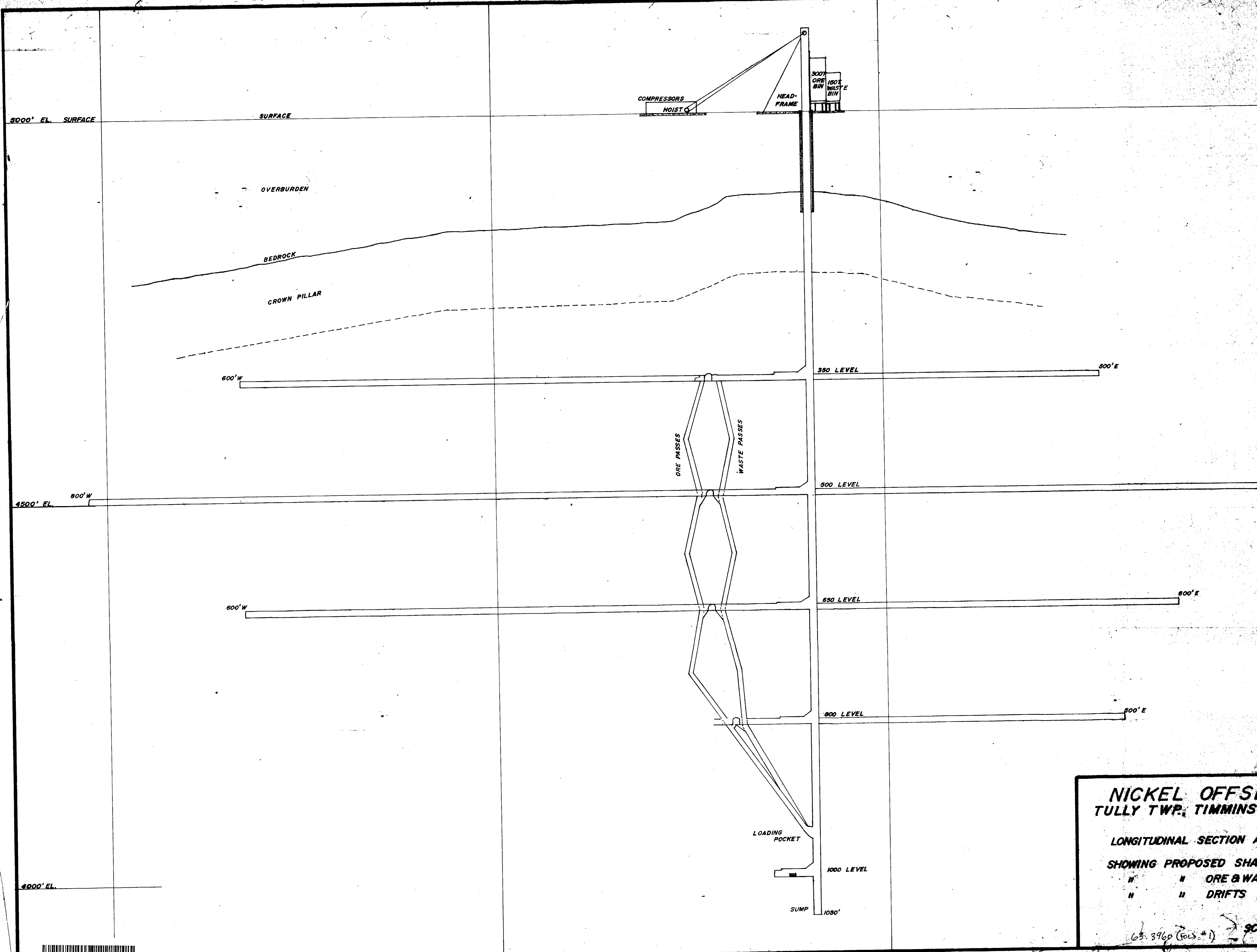
TULLY TOWNSHIP

DISTRICT OF COCHRANE



PROVISIONAL GEOLOGICAL INTERPRETATION   Scale : 1 inch to 1 mile.

(1971)



NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

LONGITUDINAL SECTION ALONG TUFFS

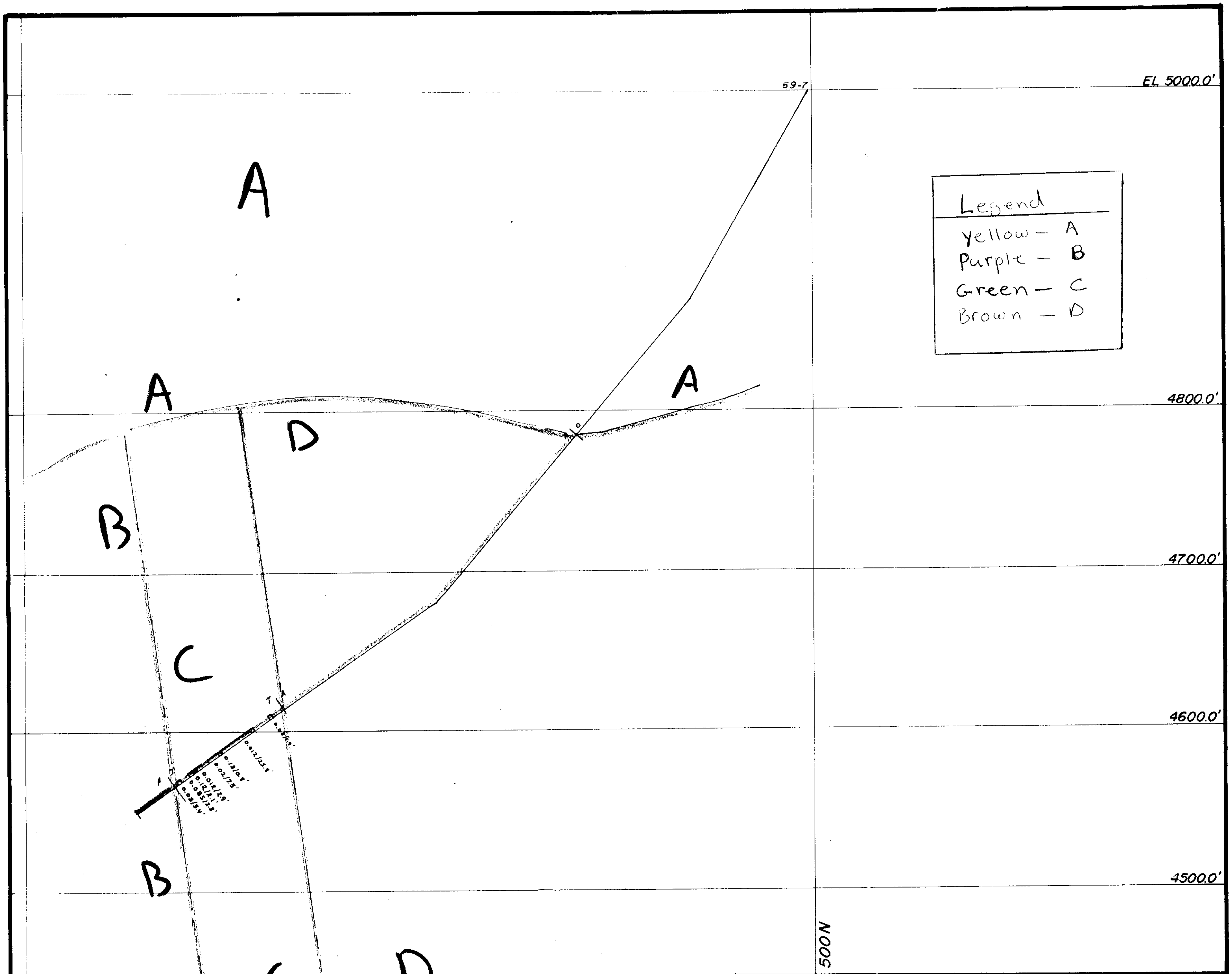
SHOWING PROPOSED SHAFT SINKING
" " ORE & WASTE PASSES
" " DRIFTS

63.3960 (FOL. #1)

SCALE 1"=

5

200



63.3960 (FOLD. #1)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 36-E

D.D.H. 69-7

SCALE: 1" = 50'.0

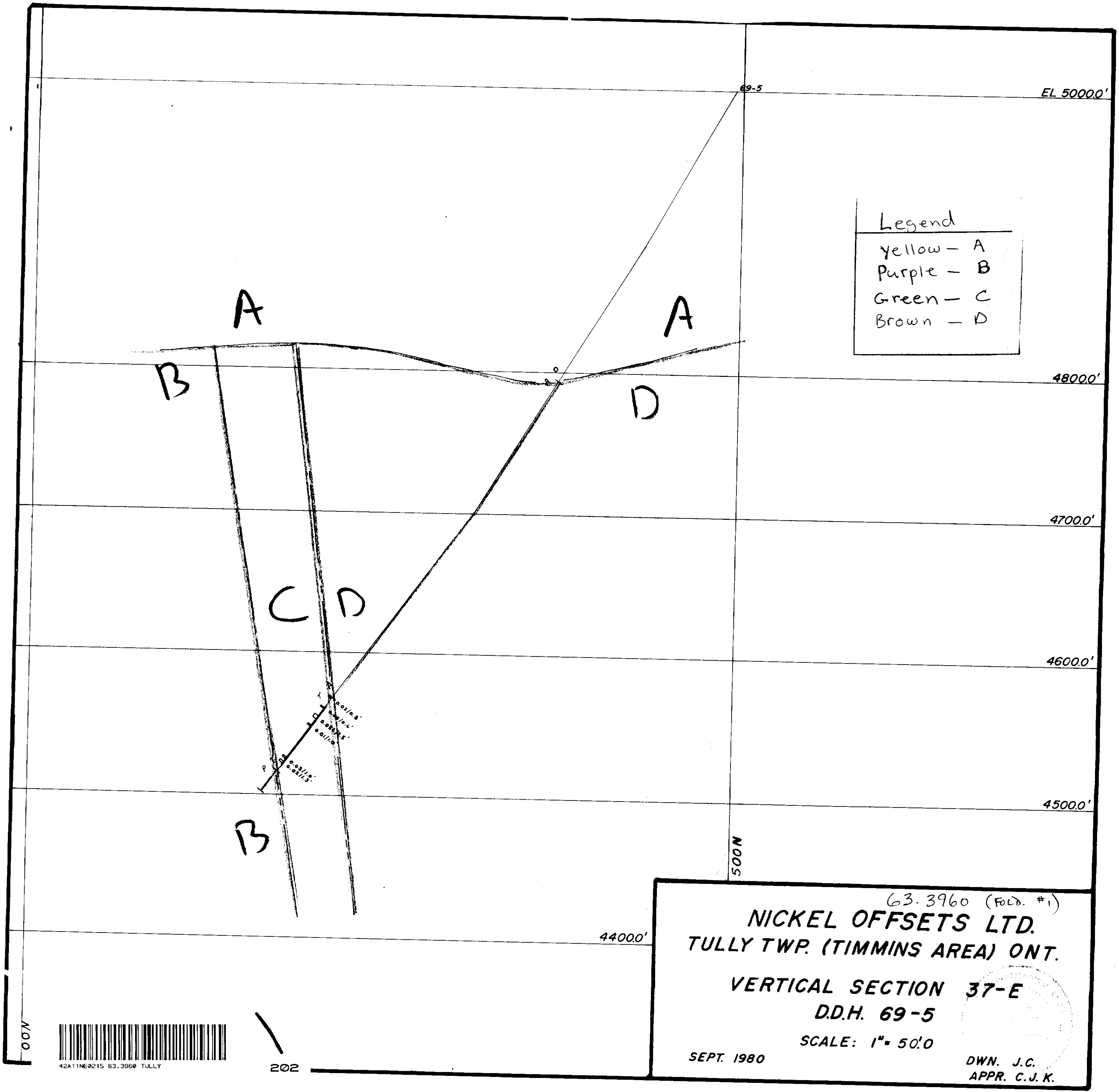
SEPT. 1980

DWN. J.C. Oct 31 1980

APPR. C.J.K.

42A11NE0215 63.3960 TULLY

201



63.3960 (Fold. #1)

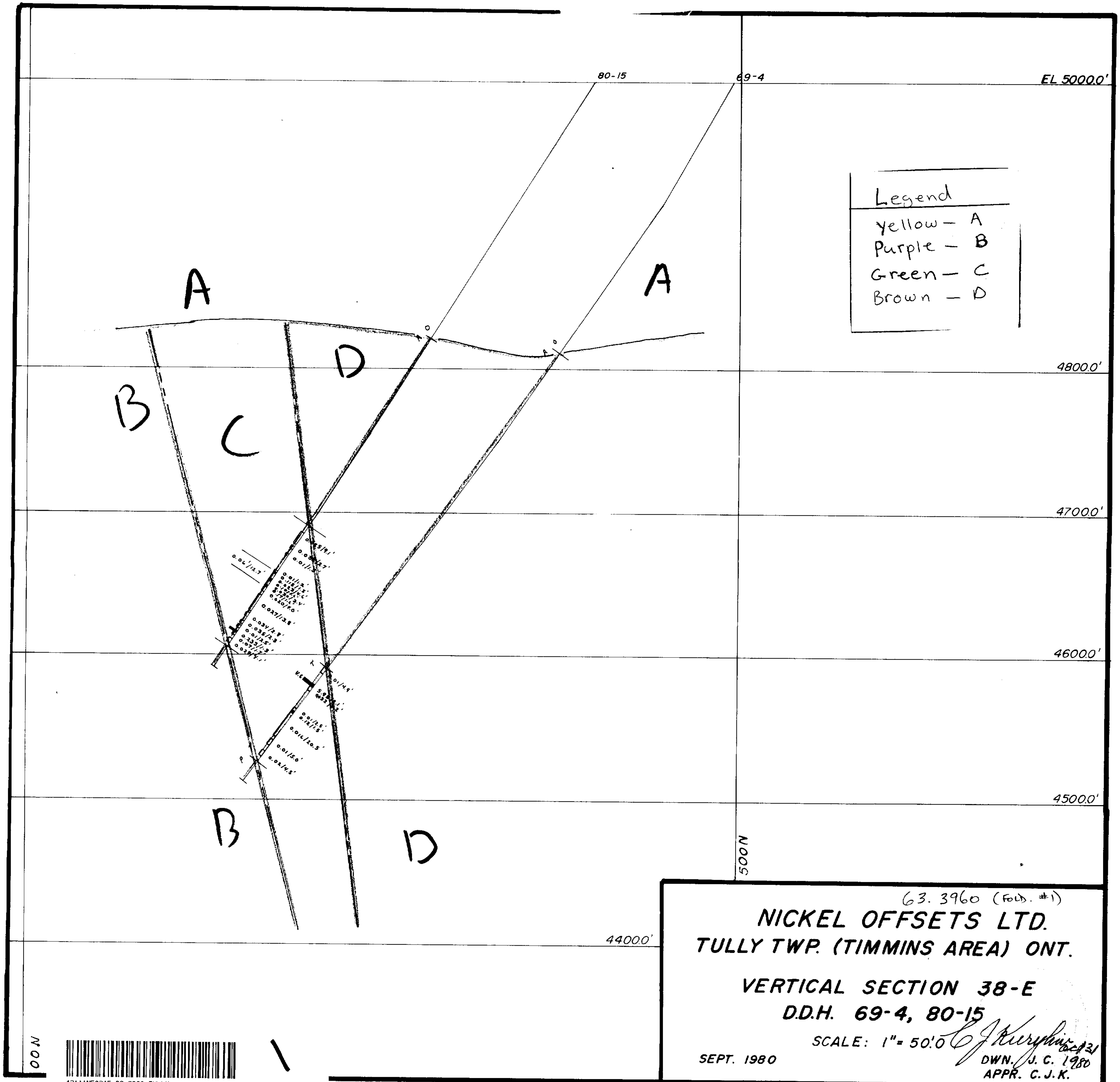
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 37-E
D.D.H. 69-5

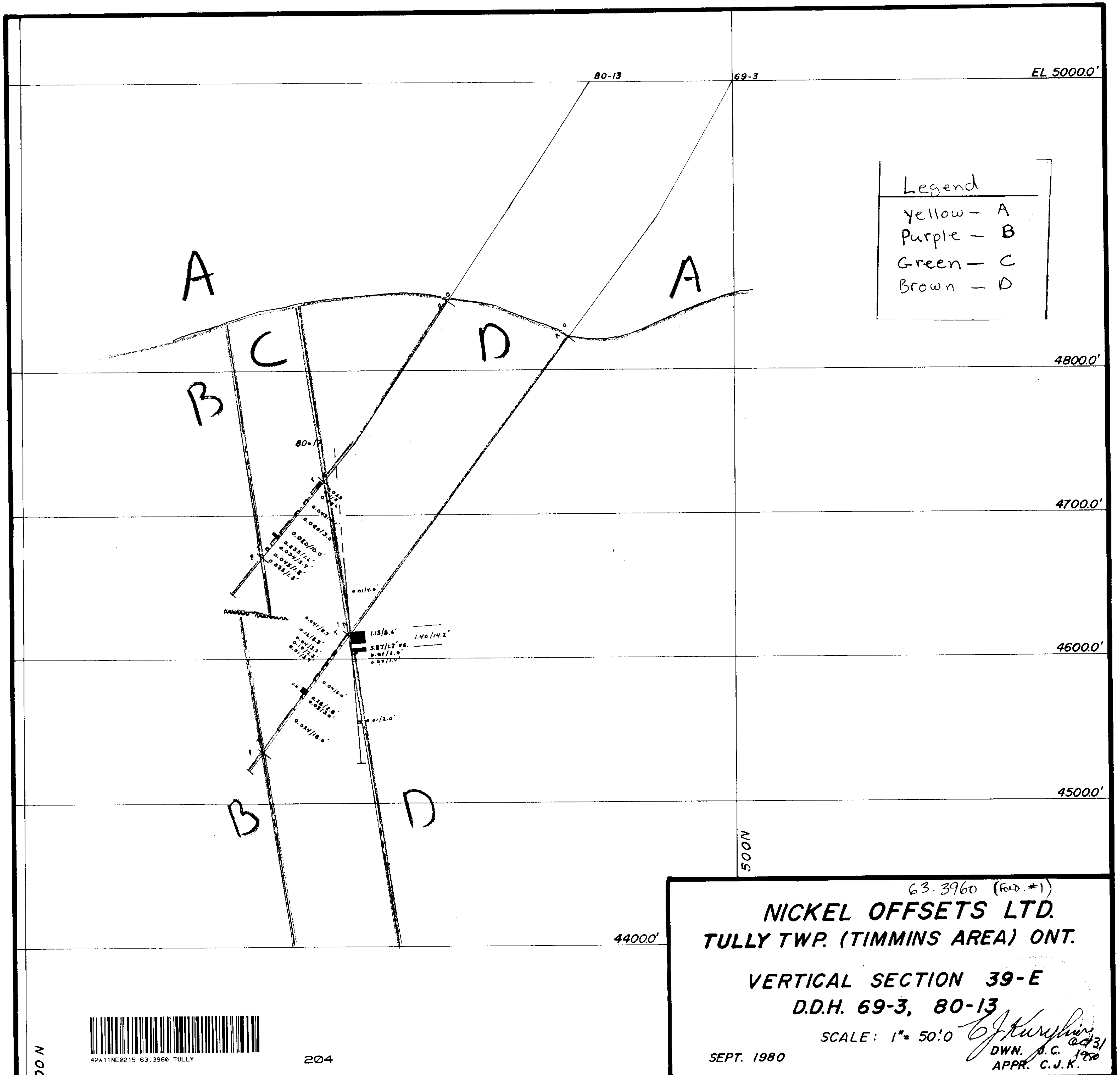
SCALE: 1" = 50.0

SEPT. 1980

DWN. J.C.
APPR. C.J.K.



80-15
69-4
EL 5000.0'
4800.0'
4700.0'
4600.0'
4500.0'
4400.0'
500N
00N
A
A
B
C
D
B
D
Legend
Yellow — A
Purple — B
Green — C
Brown — D
63.3960 (Fold. #1)
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 38-E
D.D.H. 69-4, 80-15
SCALE: 1" = 50.0'
SEPT. 1980
DWN. J. C.
APPR. C. J. K.
42A11NE0215 63.3960 TULLY
203



204

63.3960 (FOLD. #1)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 39-E

D.D.H. 69-3, 80-13

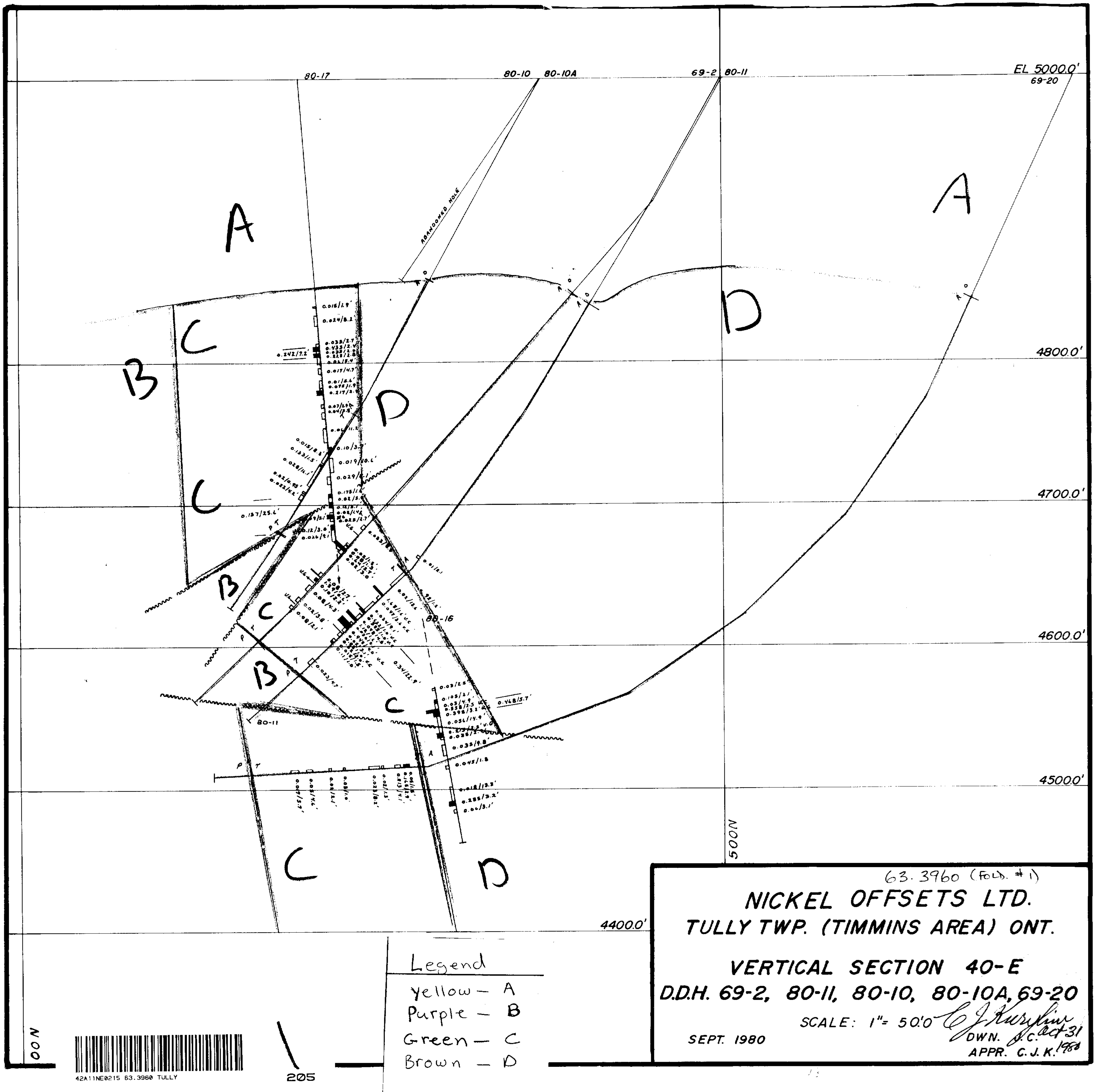
SCALE: 1" = 50'.0

SEPT. 1980

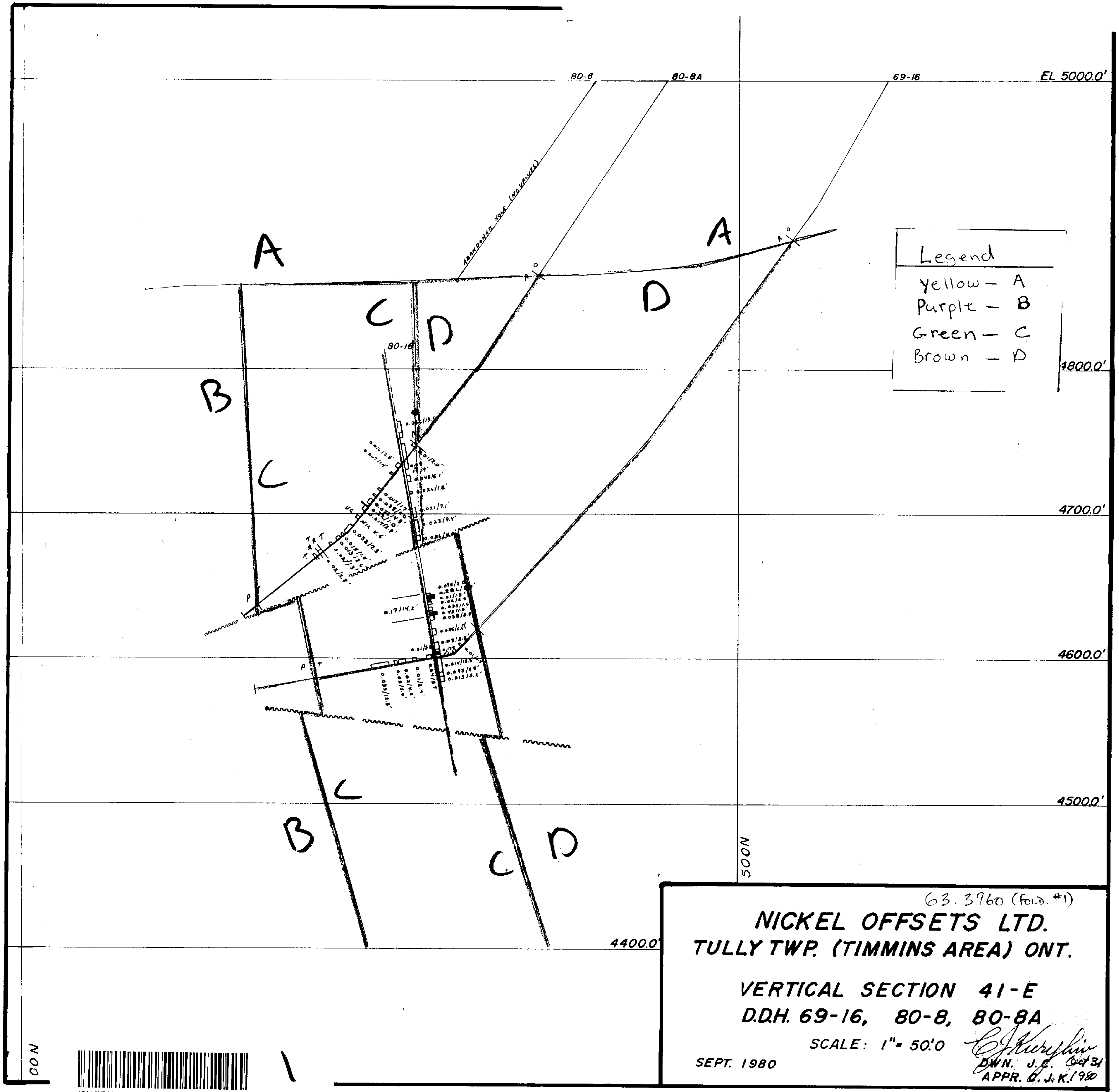
DWN. J.C.

APPR. C.J.K.

C J Kurylin



80-17
80-10 80-10A
69-2 80-11
EL 5000.0'
69-20
ABANDONED HOLE
A
B
C
D
4800.0'
4700.0'
4600.0'
4500.0'
4400.0'
80-16
80-11
500N
00N
63.3960 (FOLD. #1)
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 40-E
D.D.H. 69-2, 80-11, 80-10, 80-10A, 69-20
SCALE: 1"= 50.0'
SEPT. 1980
DWN. J.C.
APPR. C.J.K.
Oct 31 1980
Legend
Yellow – A
Purple – B
Green – C
Brown – D
42A11NE0215 63.3960 TULLY
205



63.3960 (FOLD. #1)

NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

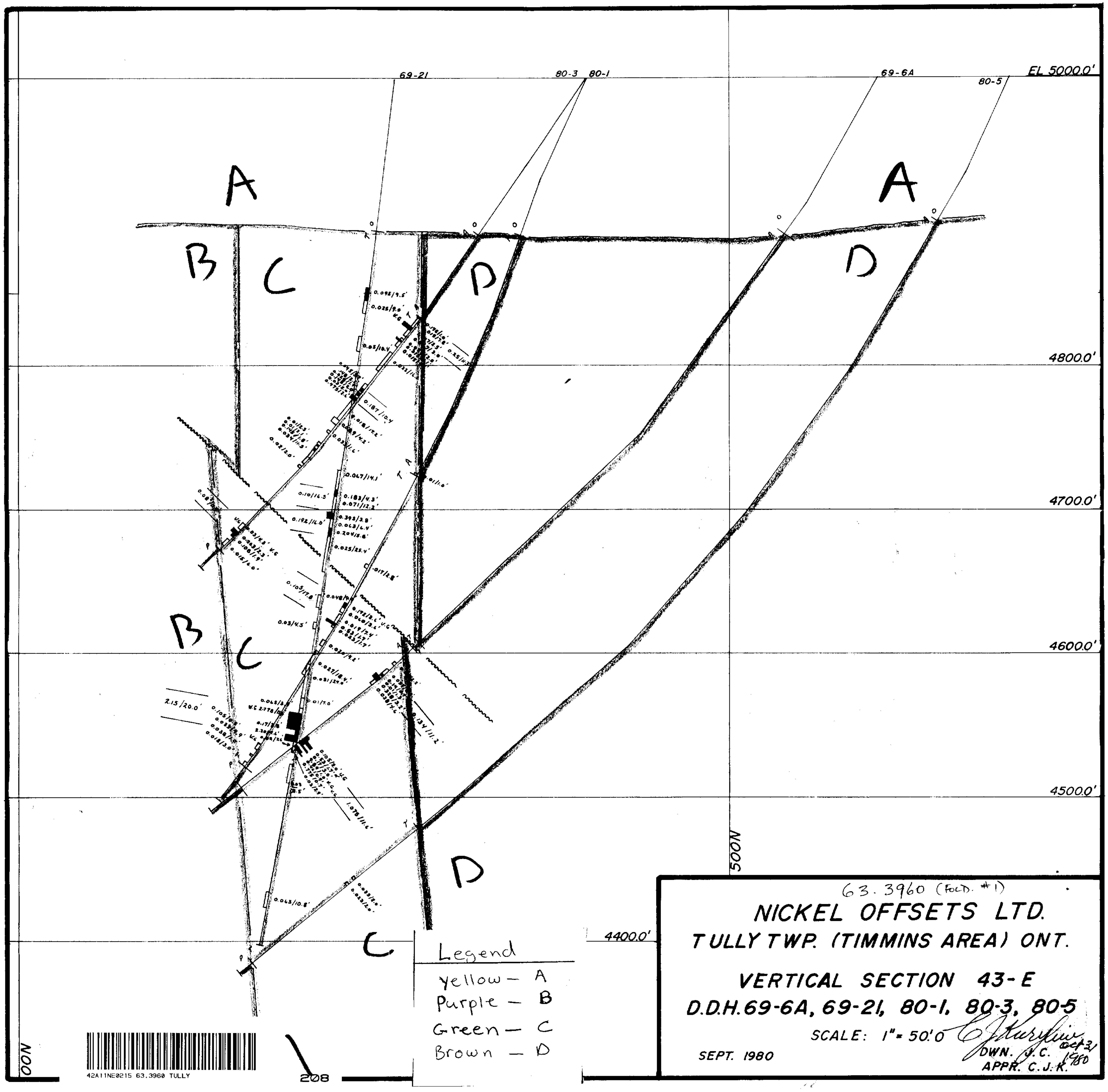
VERTICAL SECTION 41-E
D.D.H. 69-16, 80-8, 80-8A

SCALE: 1" = 50'0

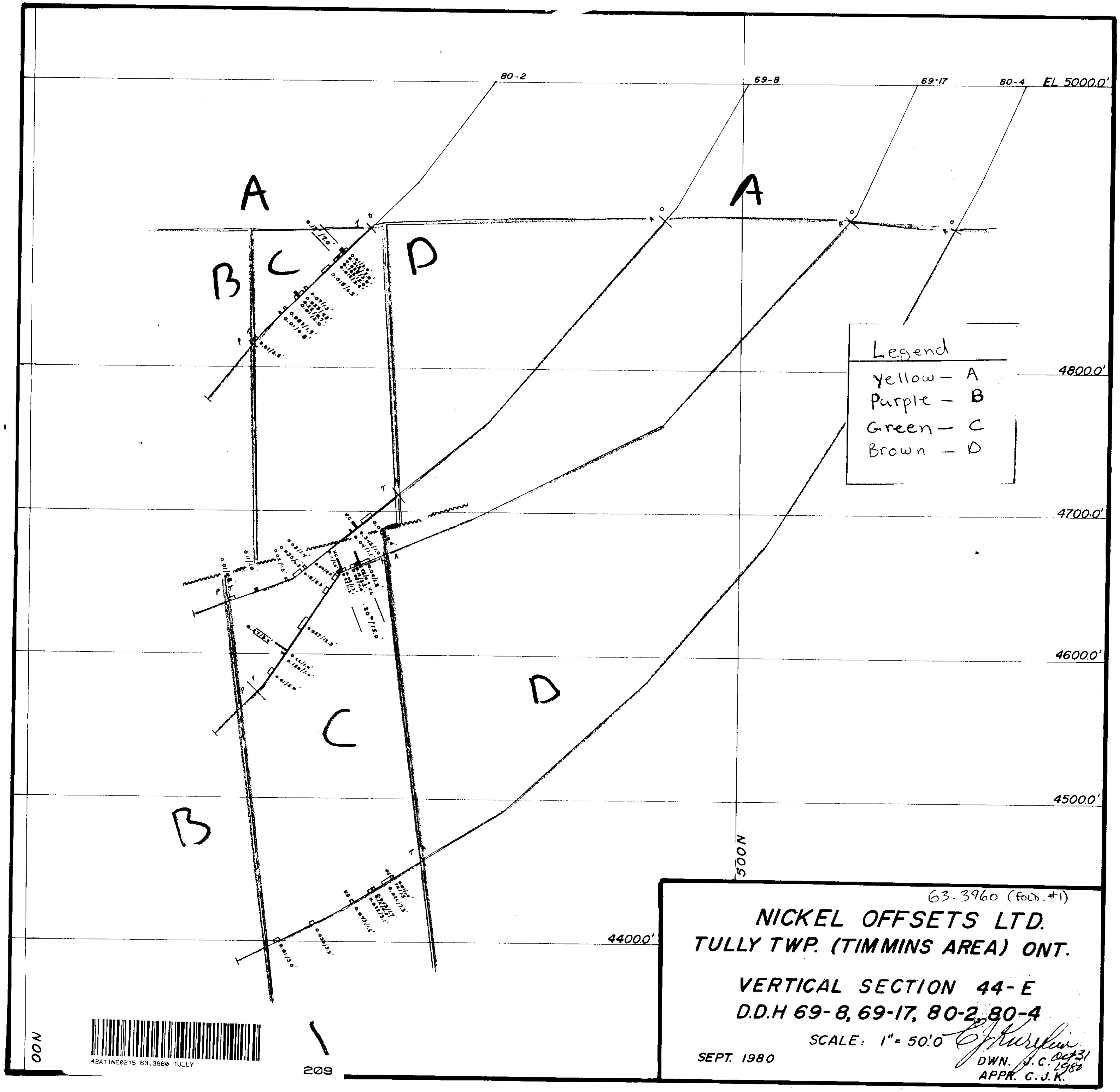
SEPT. 1980

DWN. J.C. Oct 31
APPR. C.J.K. 1980

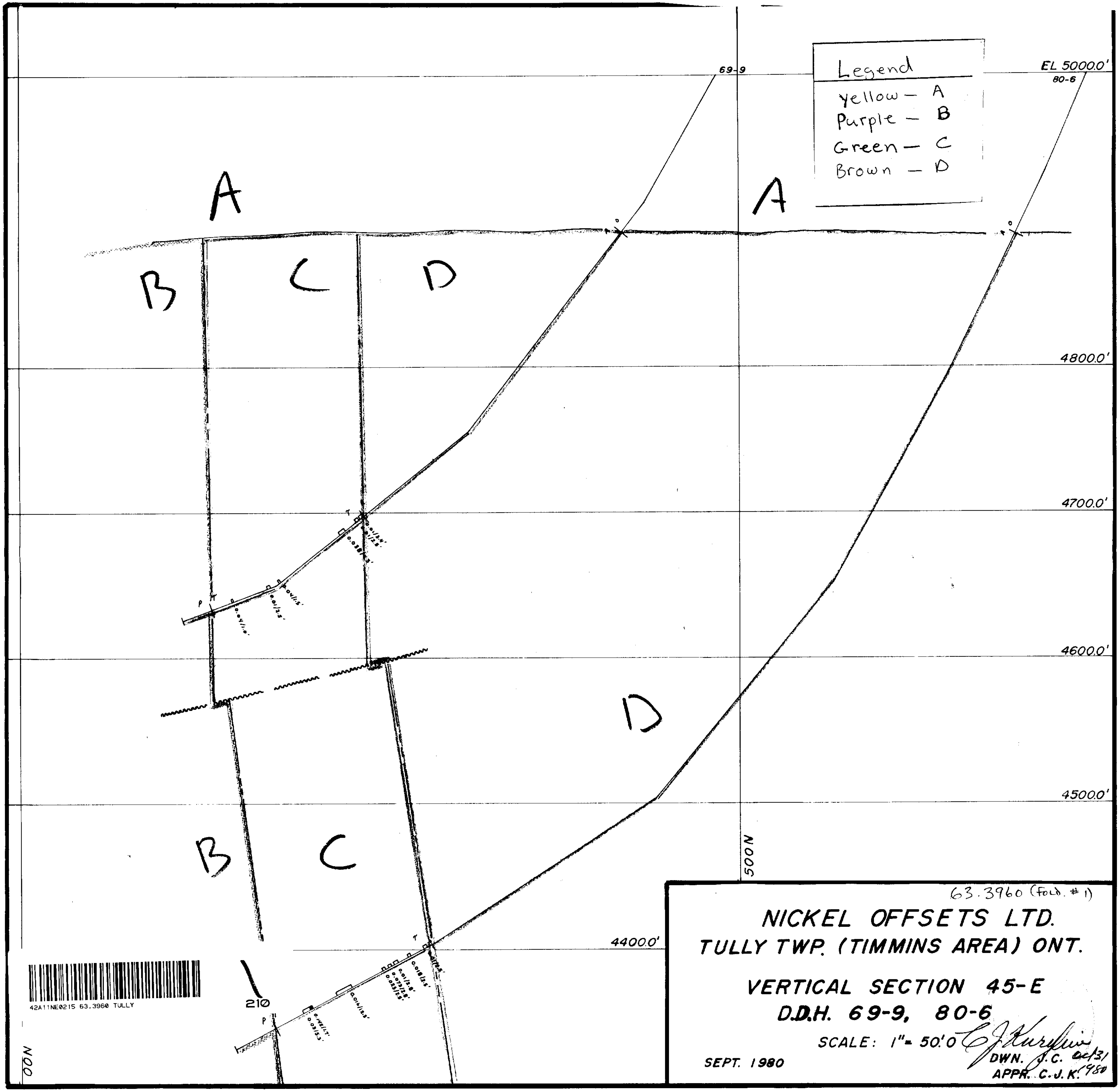
42A11NE0215 63.3960 TULLY



69-21
80-3
80-1
69-6A
80-5
EL 5000.0'
4800.0'
4700.0'
4600.0'
4500.0'
4400.0'
500N
00N
A
A
B
C
D
D
B
C
D
C
Legend
Yellow — A
Purple — B
Green — C
Brown — D
63.3960 (Focd. #1)
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 43-E
D.D.H. 69-6A, 69-21, 80-1, 80-3, 80-5
SCALE: 1" = 50'0
SEPT. 1980
DWN. J.C.
APPR. C.J.K.
Oct 31 1980
42A11NE0215 63.3960 TULLY
208



80-2
69-8
69-17
80-4
EL 5000.0'
A
A
B
C
D
Legend
Yellow — A
Purple — B
Green — C
Brown — D
4800.0'
4700.0'
4600.0'
4500.0'
4400.0'
D
C
B
500N
00N
63.3960 (Fold. #1)
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 44-E
D.D.H 69-8, 69-17, 80-2, 80-4
SCALE: 1" = 50.0'
SEPT. 1980
DWN. J.C. Oct 31 1980
APPR. C.J.K.
42A11NE0215 63.3960 TULLY
209



63.3960 (Fold. #1)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 45-E

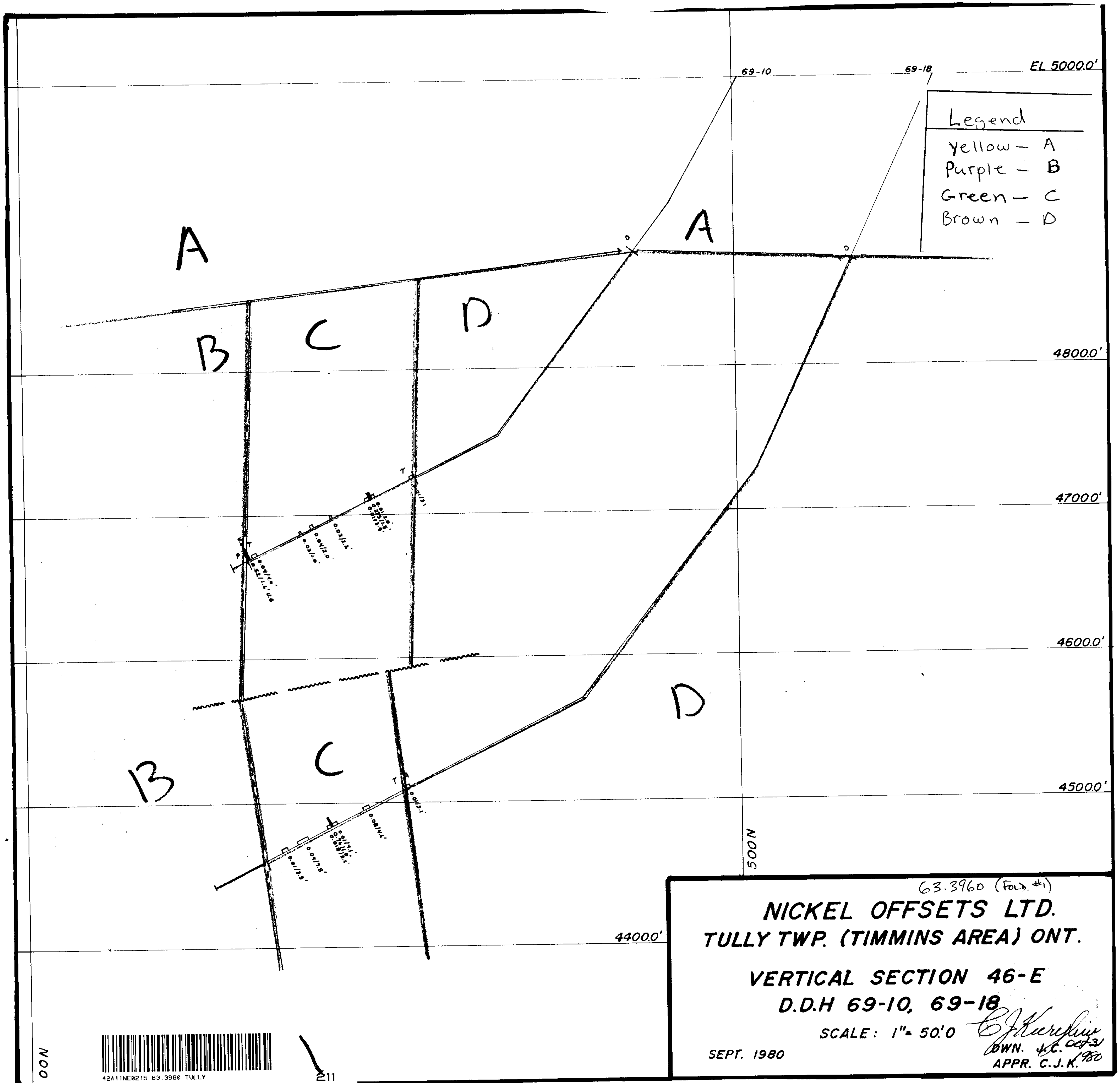
D.D.H. 69-9, 80-6

SCALE: 1" = 50.0'

SEPT. 1980

DWN. J.C. Oct/31 1980

APPR. C.J.K.



63.3960 (Fold. #1)

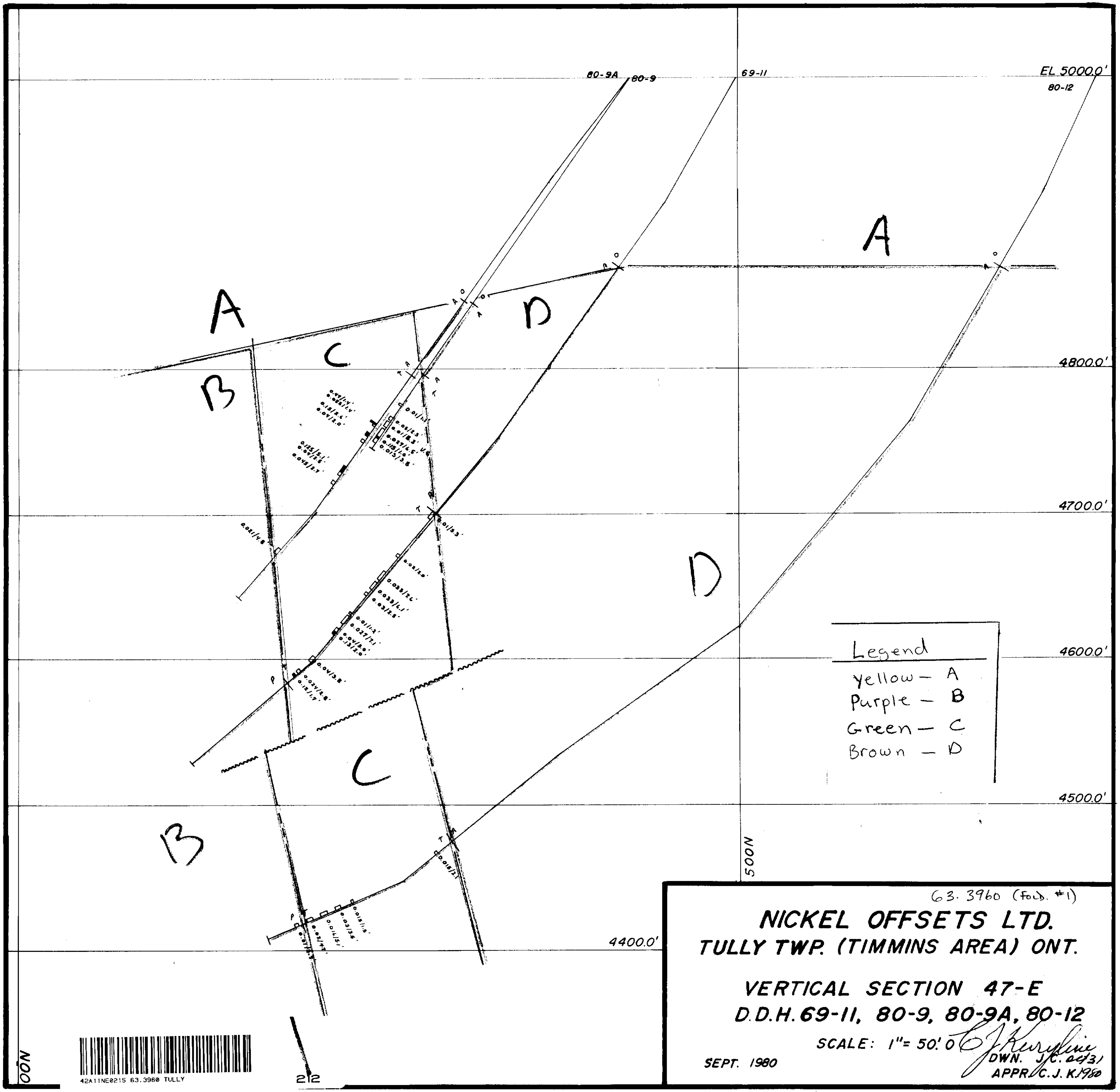
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

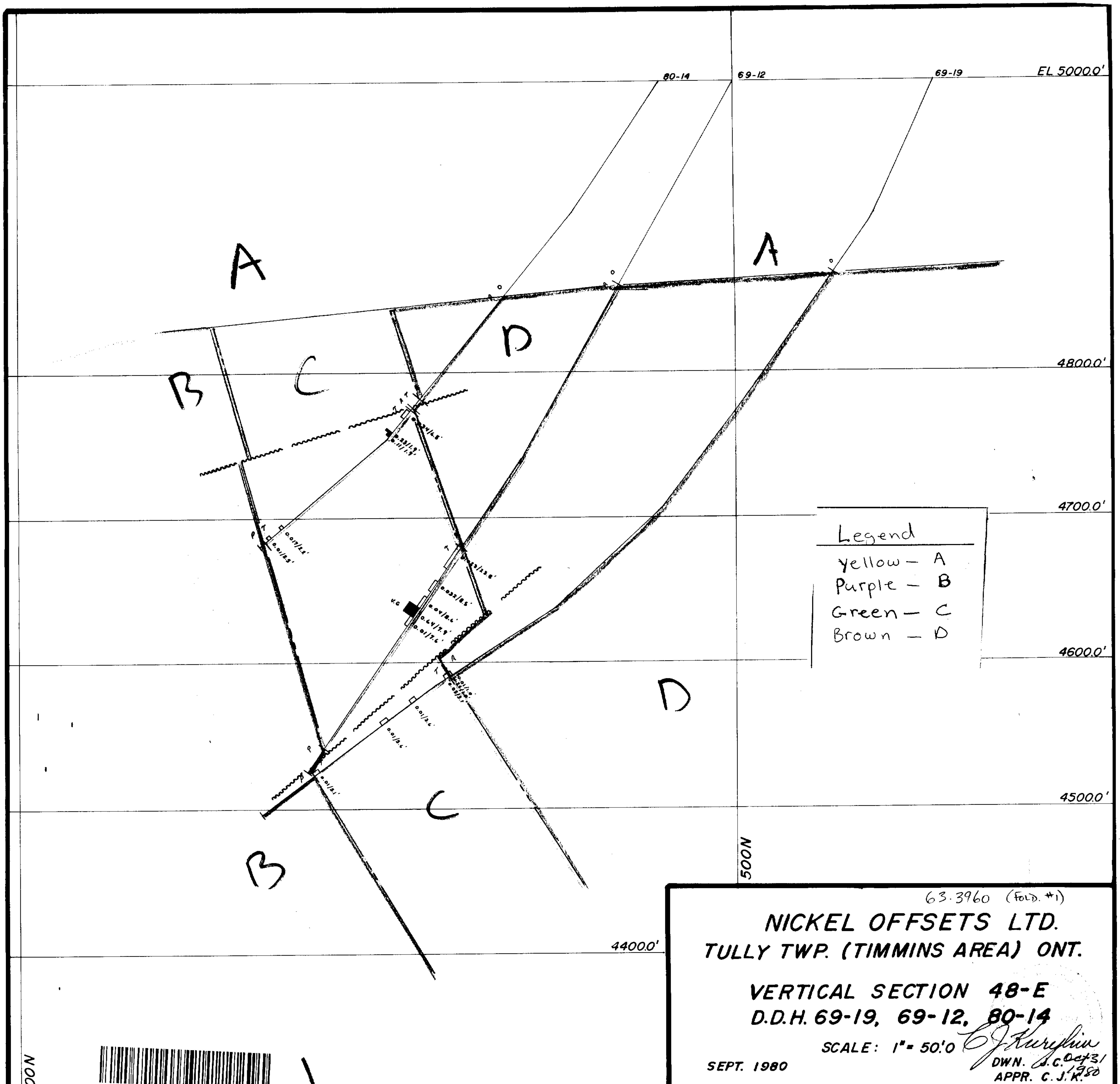
VERTICAL SECTION 46-E
D.D.H 69-10, 69-18

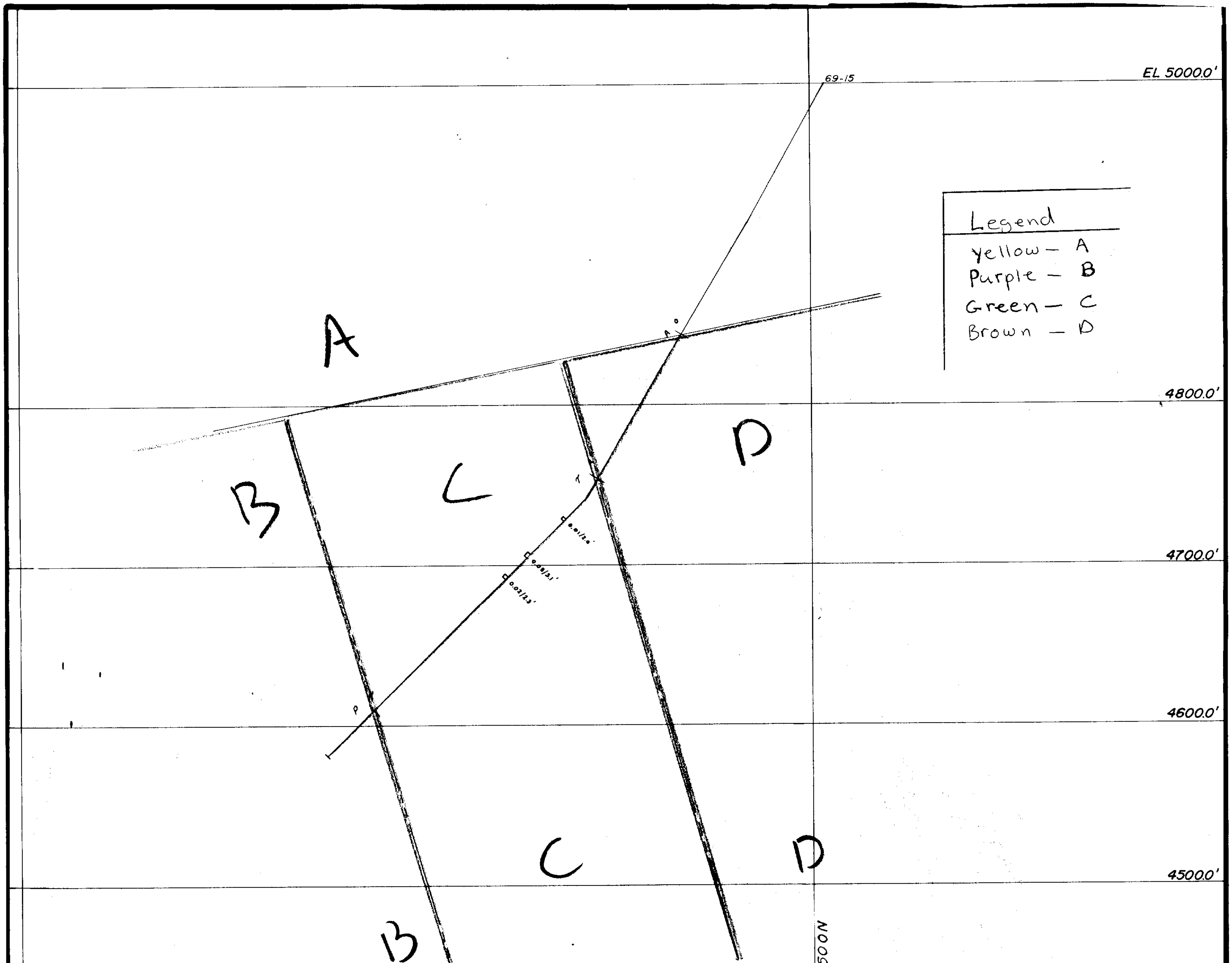
SCALE: 1" = 50.0'

SEPT. 1980

DWN. K.C. Oct 3/1980
APPR. C.J.K.


80-9A
80-9
69-11
EL 5000.0'
80-12
4800.0'
4700.0'
4600.0'
4500.0'
4400.0'
500N
00N
A
A
B
C
D
D
C
B
Legend
Yellow — A
Purple — B
Green — C
Brown — D
63.3960 (Fold. #1)
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 47-E
D.D.H. 69-11, 80-9, 80-9A, 80-12
SCALE: 1" = 50.0'
SEPT. 1980
DWN. J.C.
APPR. C.J.K. 1980
42A11NE0215 63.3960 TULLY
212


80-14
69-12
69-19
EL 5000.0'
4800.0'
4700.0'
4600.0'
4500.0'
4400.0'
500N
00N
A
A
B
C
D
B
C
D
Legend
yellow — A
Purple — B
Green — C
Brown — D
63.3960 (FOLD. #1)
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 48-E
D.D.H. 69-19, 69-12, 80-14
SCALE: 1" = 50'0
SEPT. 1980
DWN. J.C. Oct 31 1980
APPR. C.J.K.



63.3960 (Fold. #1)

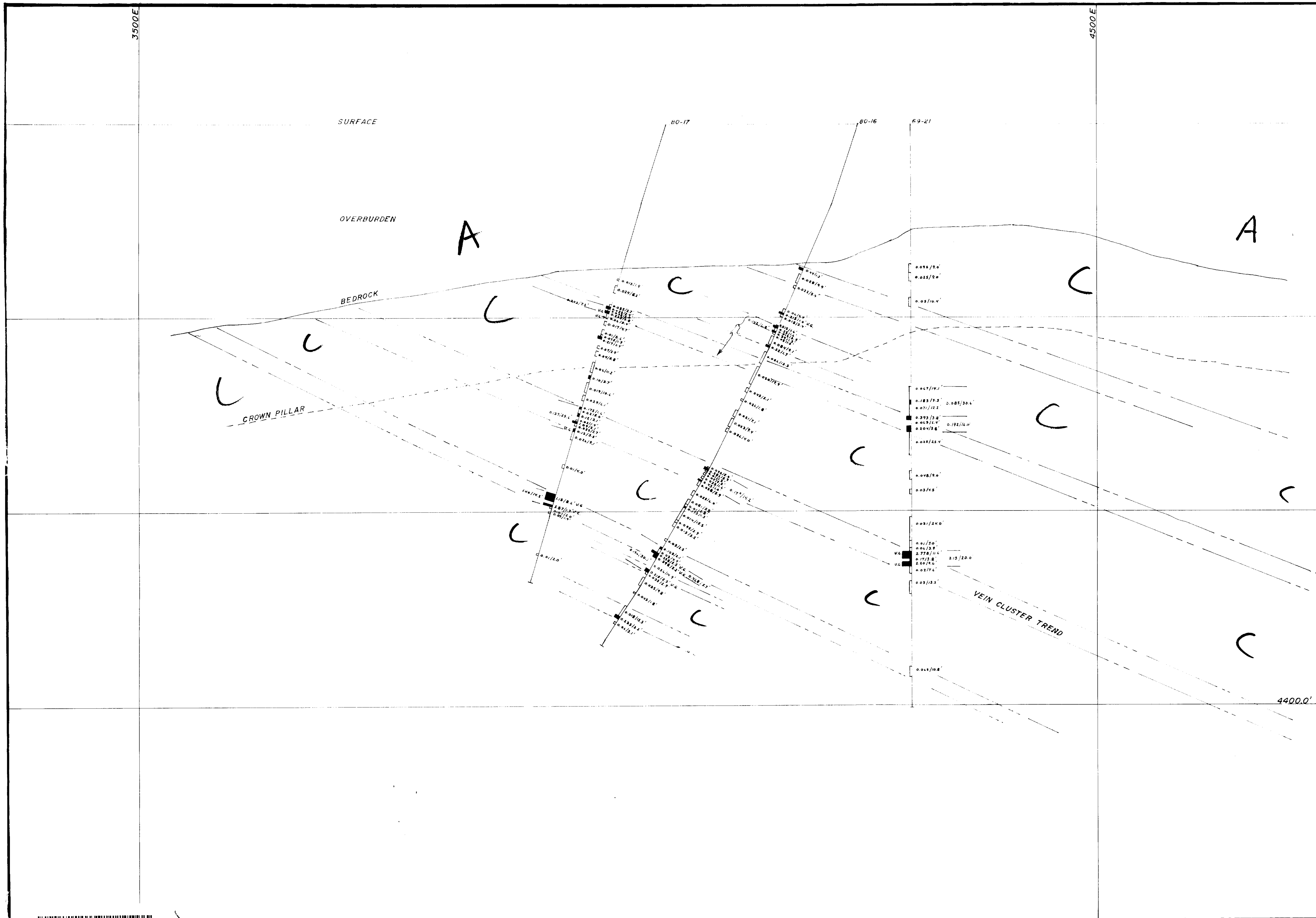
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 50 E
D.D.H. 69-15

SCALE: 1" = 50.0'

SEPT. 1980

DWN. J.C. Oct 31
APPR. C.J.K. 1980



63.3960 (Fold. #1)

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

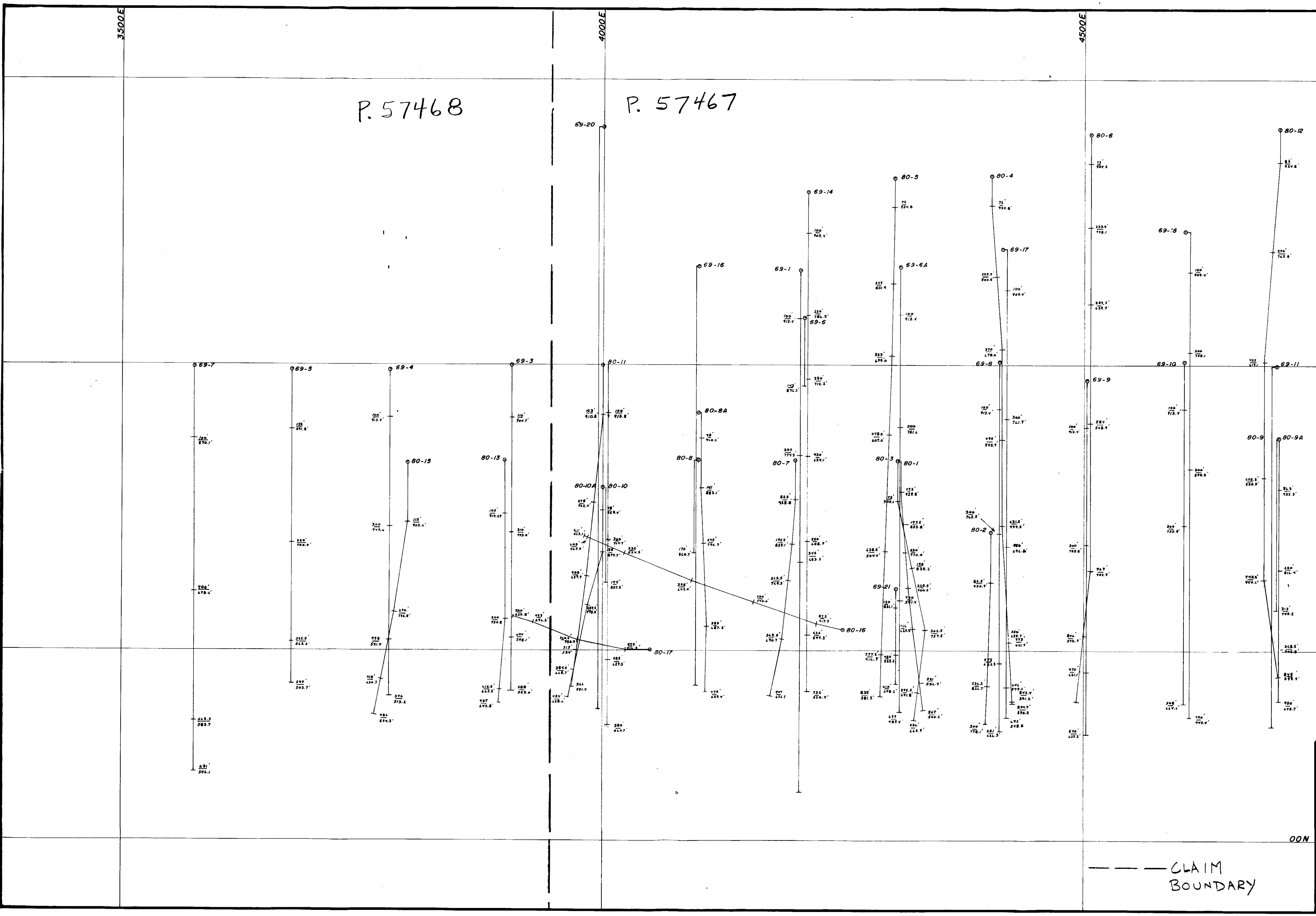
LONGITUDINAL SECTION ALONG THE MINERALIZED TUFFS
D.D. HOLES 80-17 80-16 69-21
LOOKING NORTH

SCALE: 1" = 50'

OCT. 1980

DWN. BY J.C.
APPR. C.J.K.

Oct 31 1980



NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

PLAN OF SURFACE D. DRILLING

63.3960 (Fold. #1)

SCALE: 1" = 50'

1980

42A11NE0215 63.3960 TULLY

217

42A11NE0215 63.3960 TULLY

218

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

PLAN
OF
300' DEPTH

SHOWING D.D.HOLES, Au.VALUES, GEOLOGY.

SCALE: 1" = 50'

OCT. 1980

63.3960 (FOLD. #1)

DWN. BY J.C.
APPR. C.J.K.

Oct 31/1980


3600E
4000E
4500E
5000E
800N
500N
200N
00N
Legend
Yellow — A
Purple — B
Green — C
Brown — D
A
B
C
D
69-20
69-16
69-14
80-5
80-4
80-6
80-20
69-18
69-19
69-6A
69-12
69-13
69-15
69-11
69-7
69-5
80-15
69-3
80-17
80-11
80-16
69-1
80-1
69-21
69-17
69-8
69-9
80-9A
80-8A
80-10A
80-13
NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.
PLAN
OF
400' DEPTH
SHOWING D.D.HOLES, Au.VALUES, GEOLOGY,
SCALE: 1" = 50'
OCT. 1980
63.3960 (FOLD. #1)
DWN. BY J.C. 1980
APPR. C.J.K.
220

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

PLAN
OF
500' DEPTH
SHOWING D.D. HOLES, Au VALUES, GEOLOGY.

SCALE: 1" = 50'

C J Kuzylin

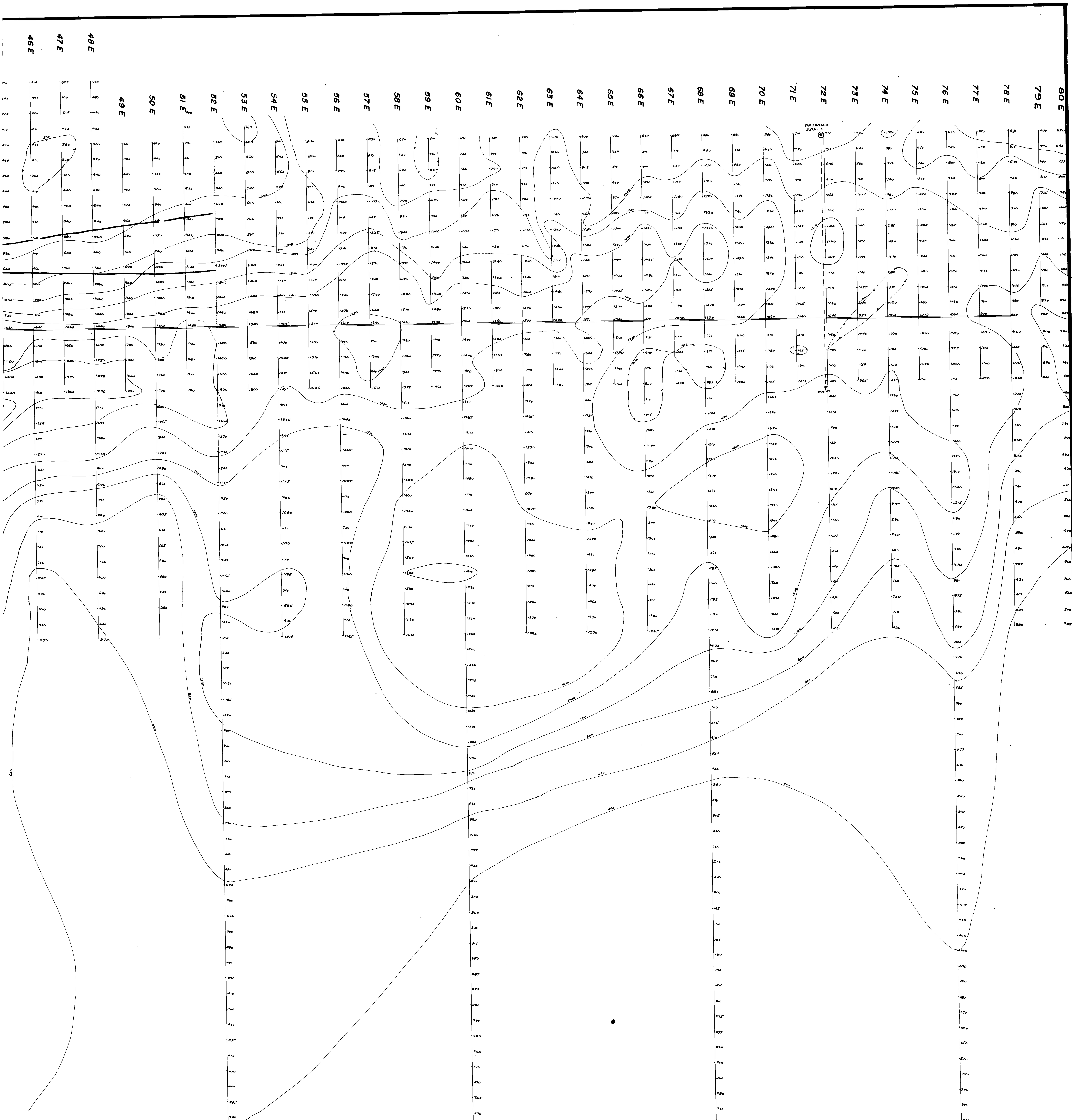
OCT. 1980 63.3960 (Fold. #1) Oct 31/1980 DWN. BY J.C. APPR. C.J.K.

42A11NE0215 63.3960 TULLY

221

42A11NE0215 63.3960 TULLY

222



INSTRUMENT: SHARPE M.F.-1 FLUXGATE MAGNETOMETER
SENSITIVITY: + or - 10 gammas
CONTOUR INTERVAL: 200 gammas
INST. OPERATOR: ADRIAN J. KURYLIW

NICKEL OFFSETS LTD.

TULLY TWP.
TIMMINS AREA, ONT.

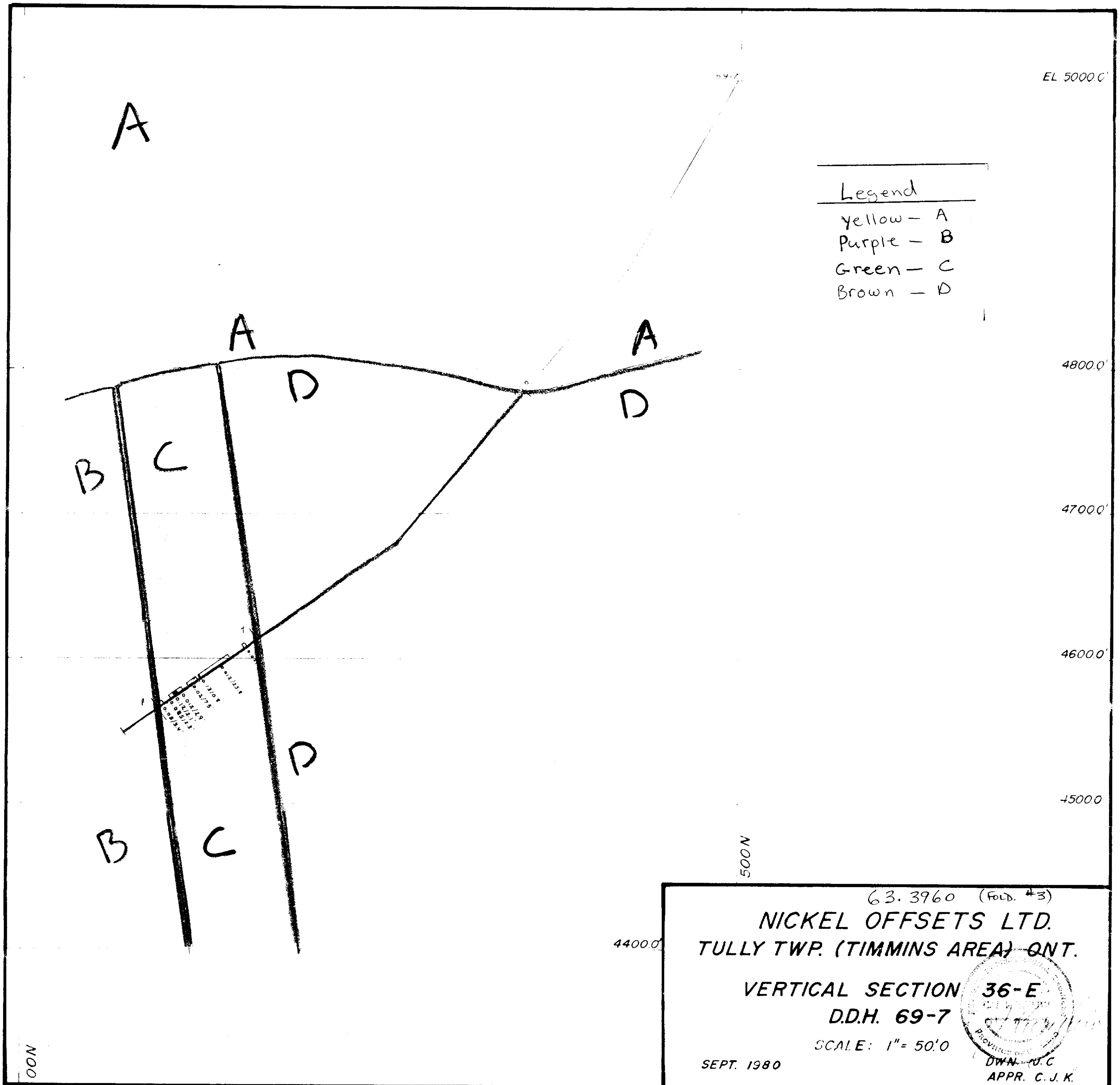
PLAN of

MAGNETIC SURVEY

SCALE: 1"=100'

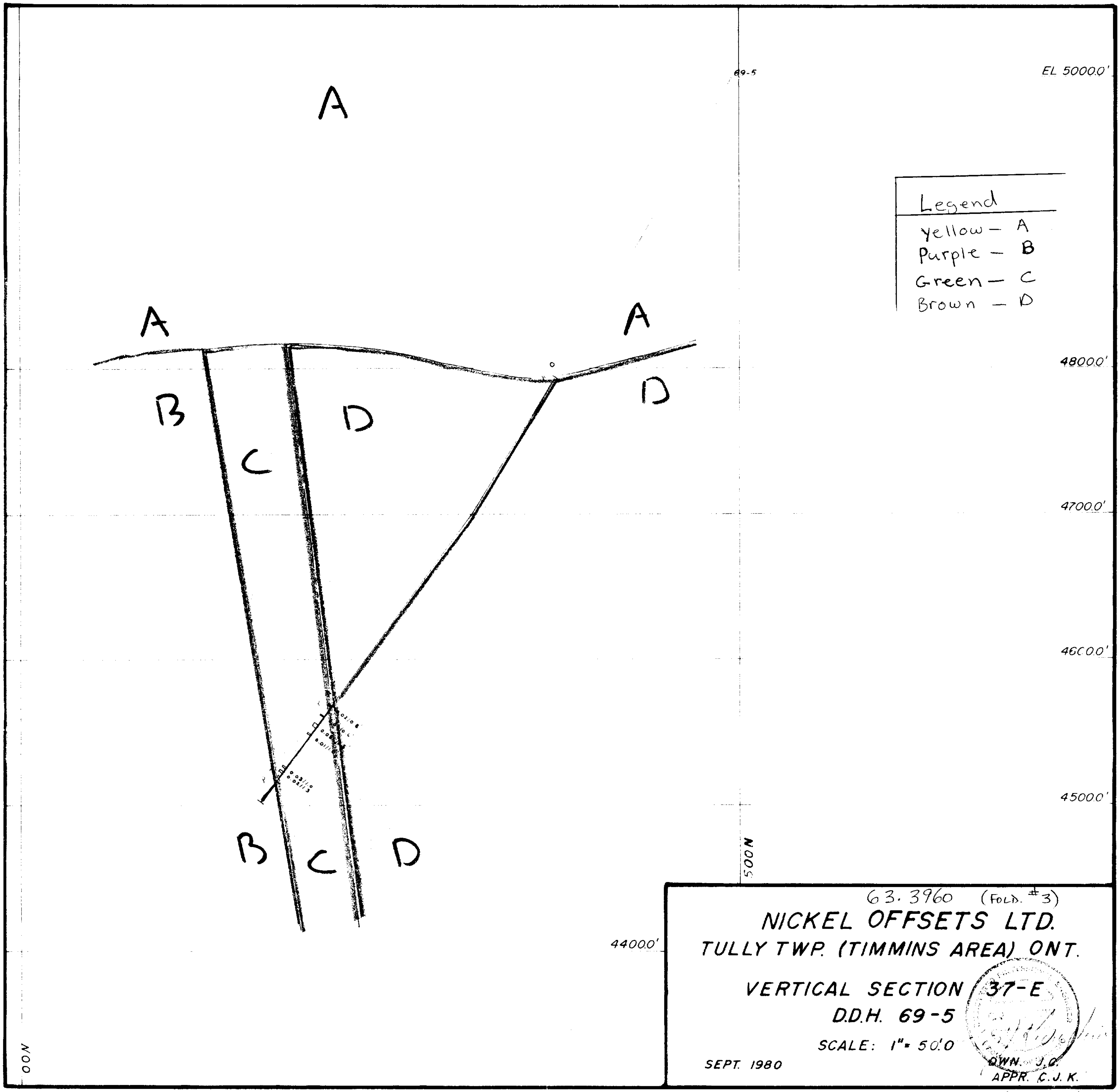
NOV. 1981 CHESTER J. KURYLIW.

63.3960 (Fed. #2)



A
A
A
D
D
B
C
D
B
C
EL 5000.0'
4800.0'
4700.0'
4600.0'
4500.0
4400.0'
500N
00N
Legend
yellow — A
Purple — B
Green — C
Brown — D
63.3960 (Fold. #3)
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 36-E
D.D.H. 69-7
SCALE: 1" = 50.0
SEPT. 1980
DWN. U.C
APPR. C.J.K.

224



63.3960 (FOLD. #3)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 37-E

D.D.H. 69-5

SCALE: 1" = 50.0

SEPT. 1980

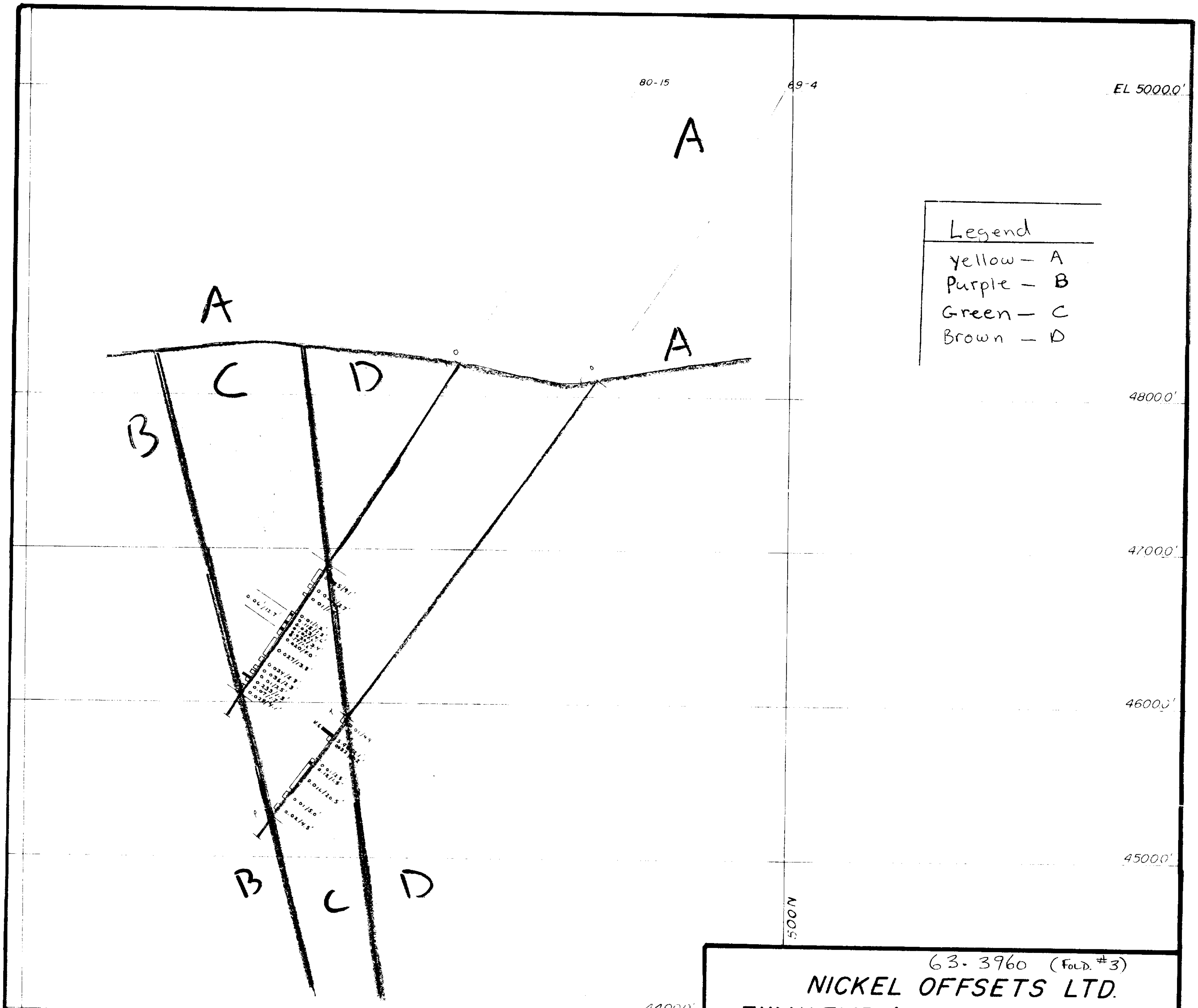
DWN. J.C.

APPR. C.J.K.

42A11NE0215 63.3960 TULLY

1

225



63-3960 (FOLD. #3)

NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

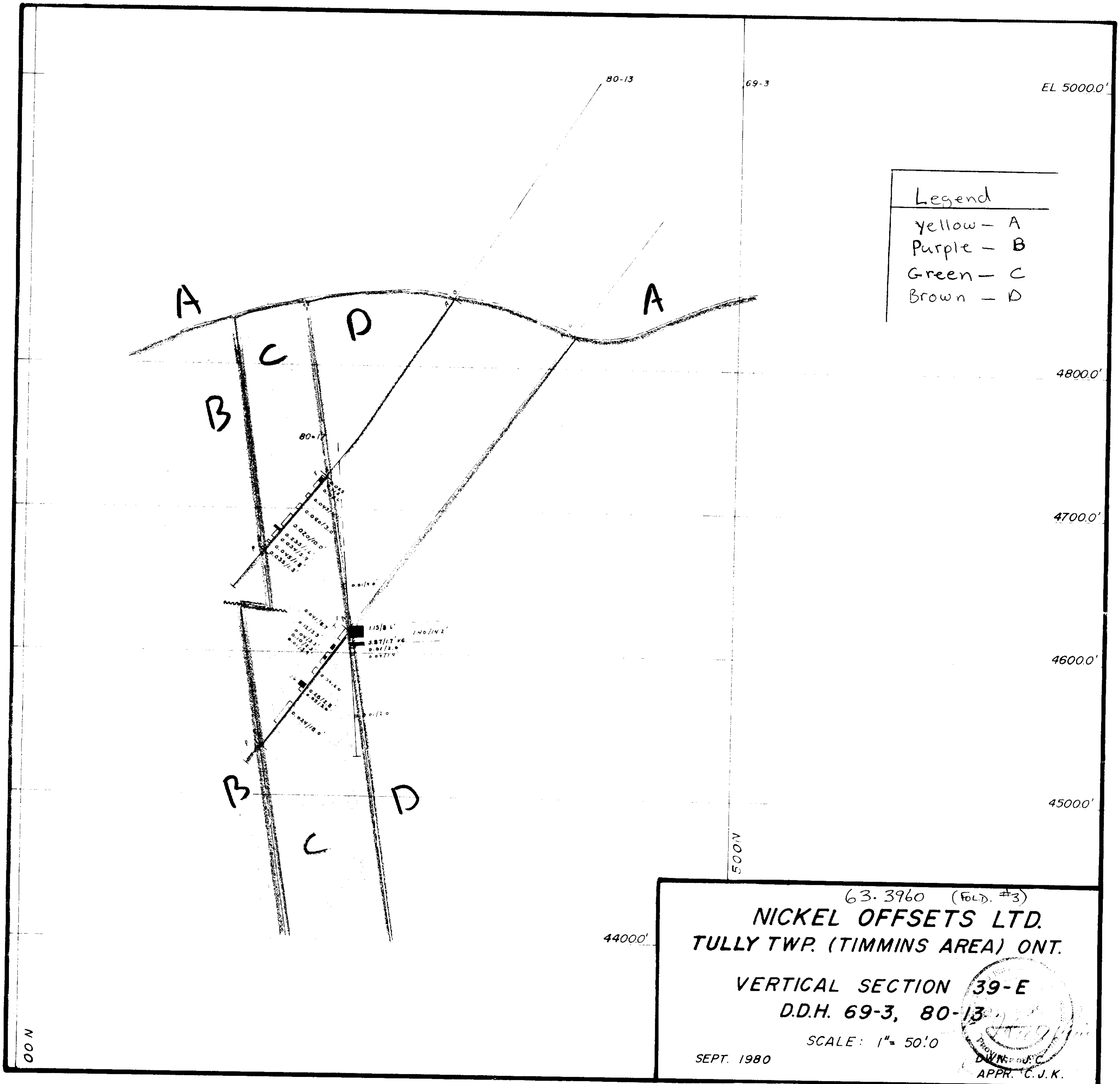
VERTICAL SECTION 38-E
D.D.H. 69-4, 80-15

SCALE: 1" = 50.0

SEPT. 1980

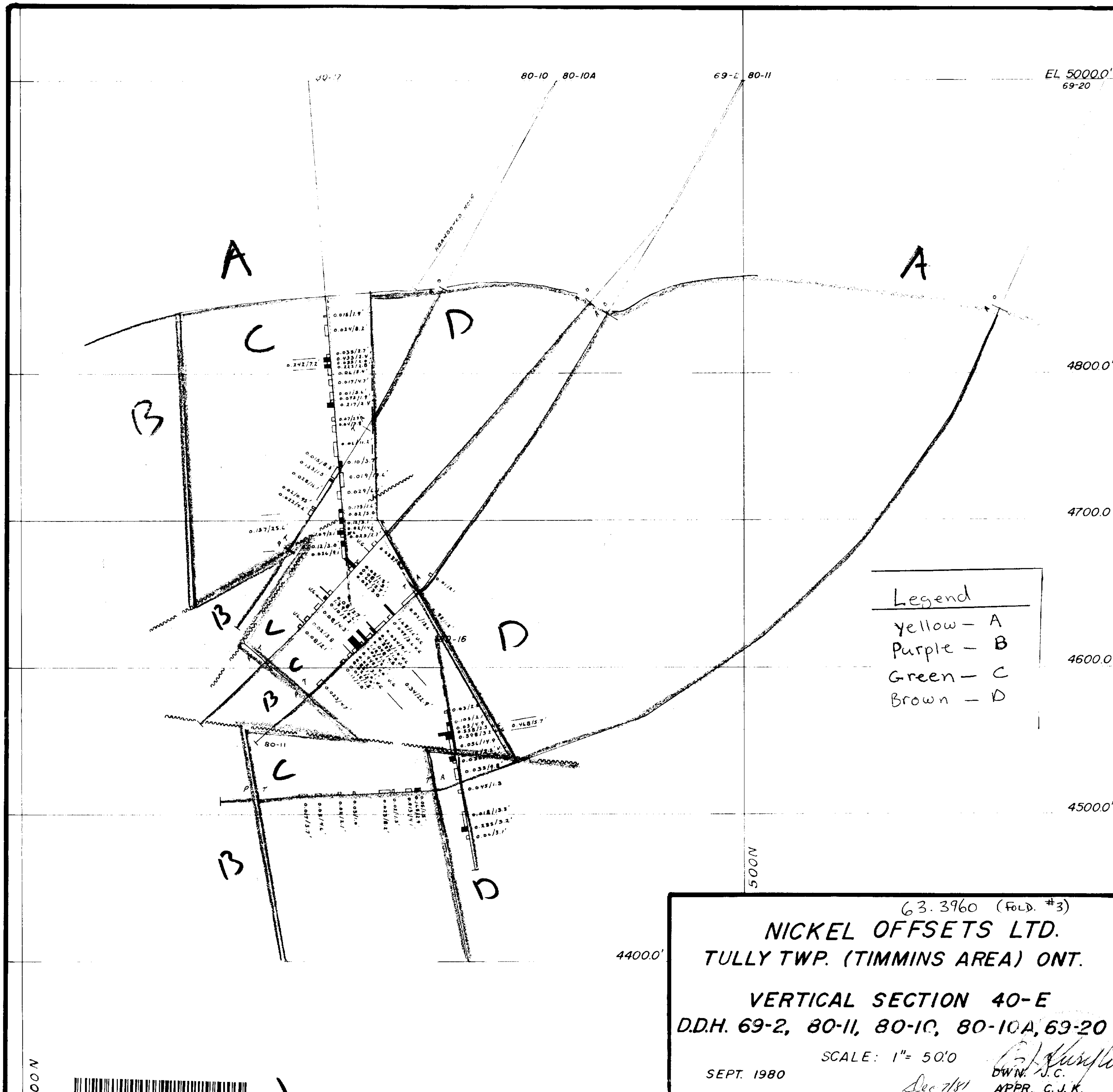
DWN. V.C.
APPR. C.J.K.

226



42A11NE0215 63.3960 TULLY

227



63.3960 (FOLD. #3)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 40-E

D.D.H. 69-2, 80-11, 80-10, 80-10A, 69-20

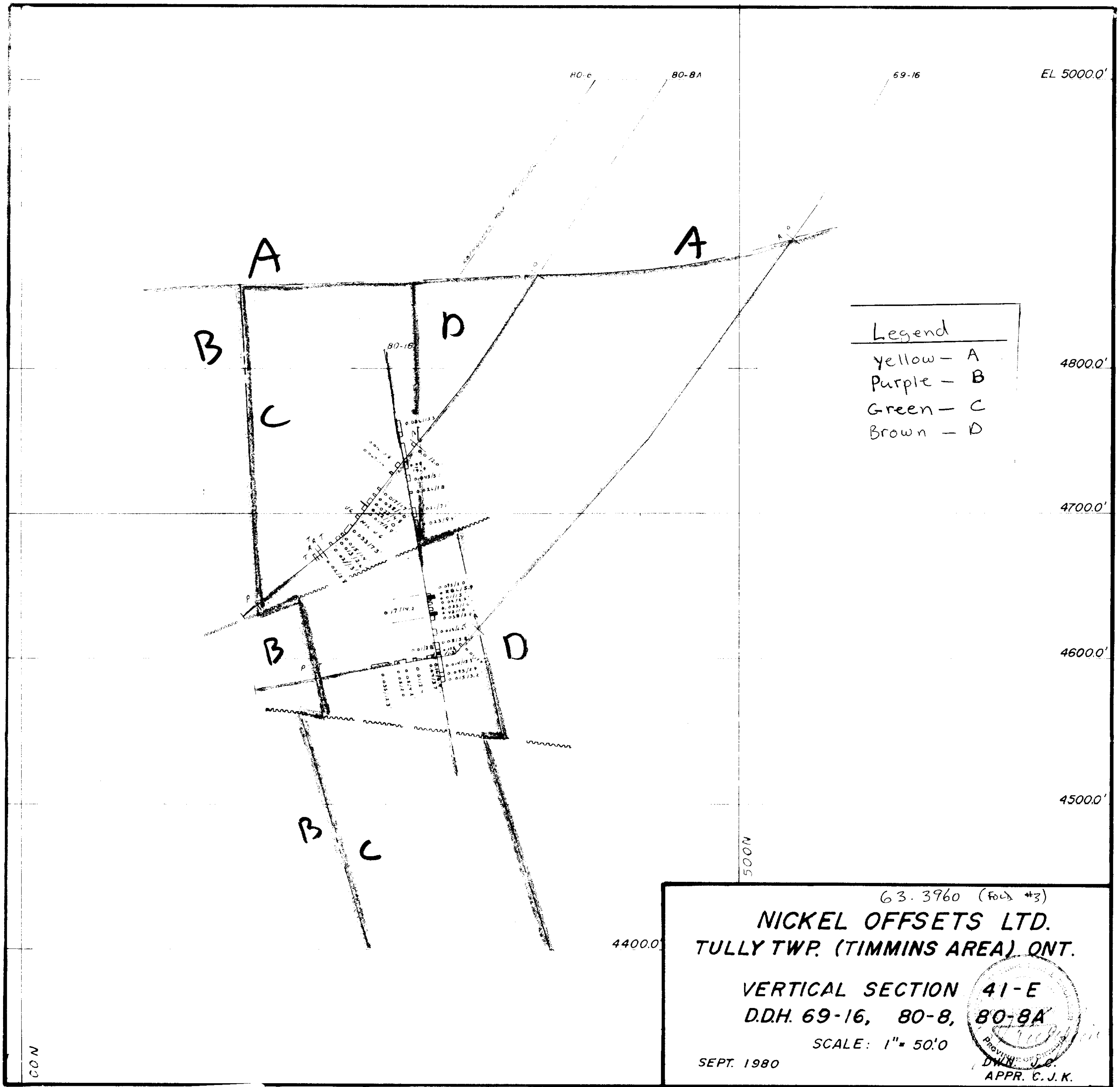
SCALE: 1" = 50.0'

SEPT. 1980

DWN. J.C.

APPR. C.J.K.

Dec 7/81



63.3960 (Fold #3)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 41-E

D.D.H. 69-16, 80-8, 80-8A

SCALE: 1" = 50'.0

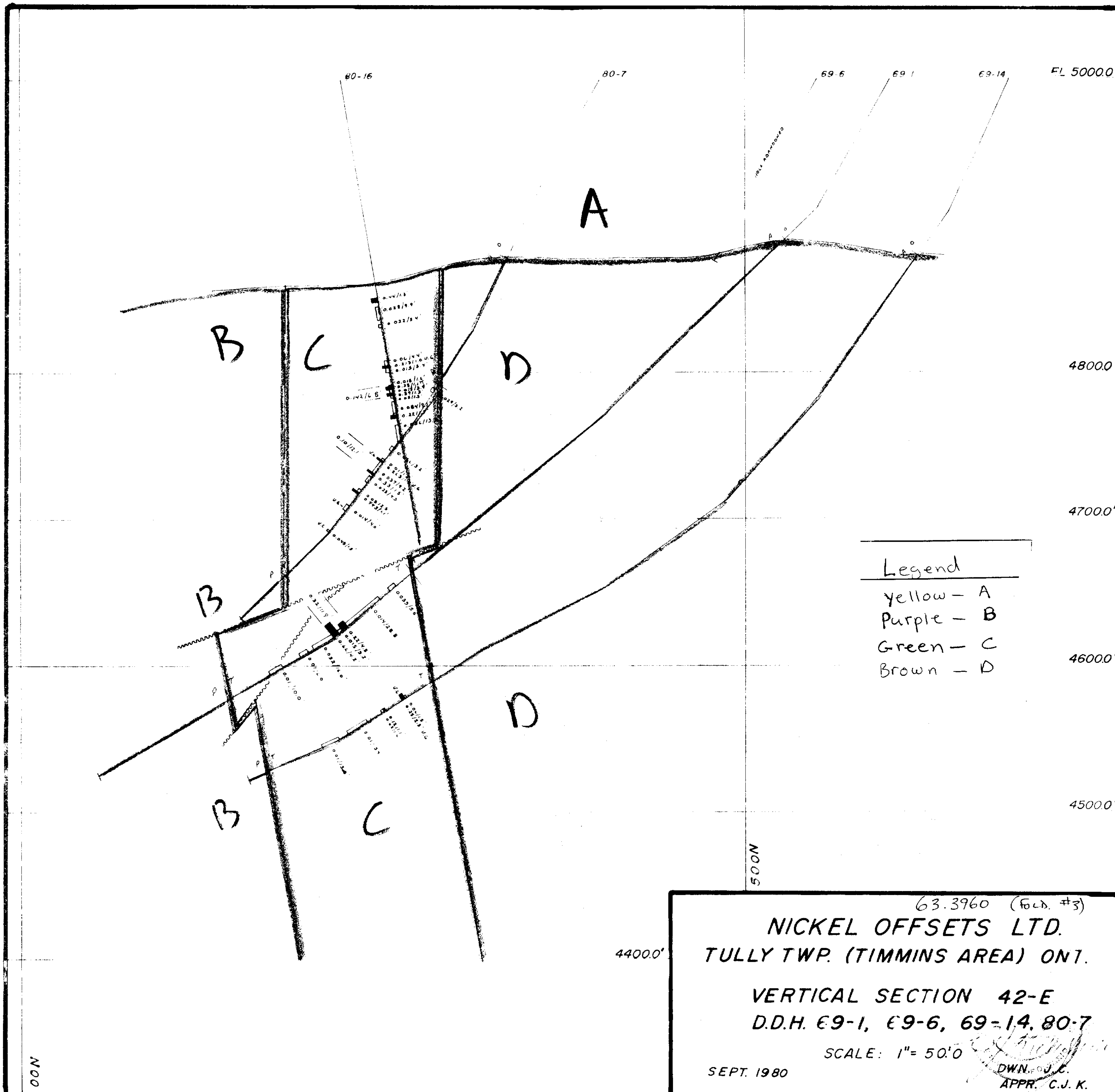
SEPT. 1980

DWN. J.C.

APPR. C.J.K.

42A11NE0215 63.3960 TULLY

229



63.3960 (Fold. #3)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 42-E

D.D.H. 69-1, 69-6, 69-14, 80-7

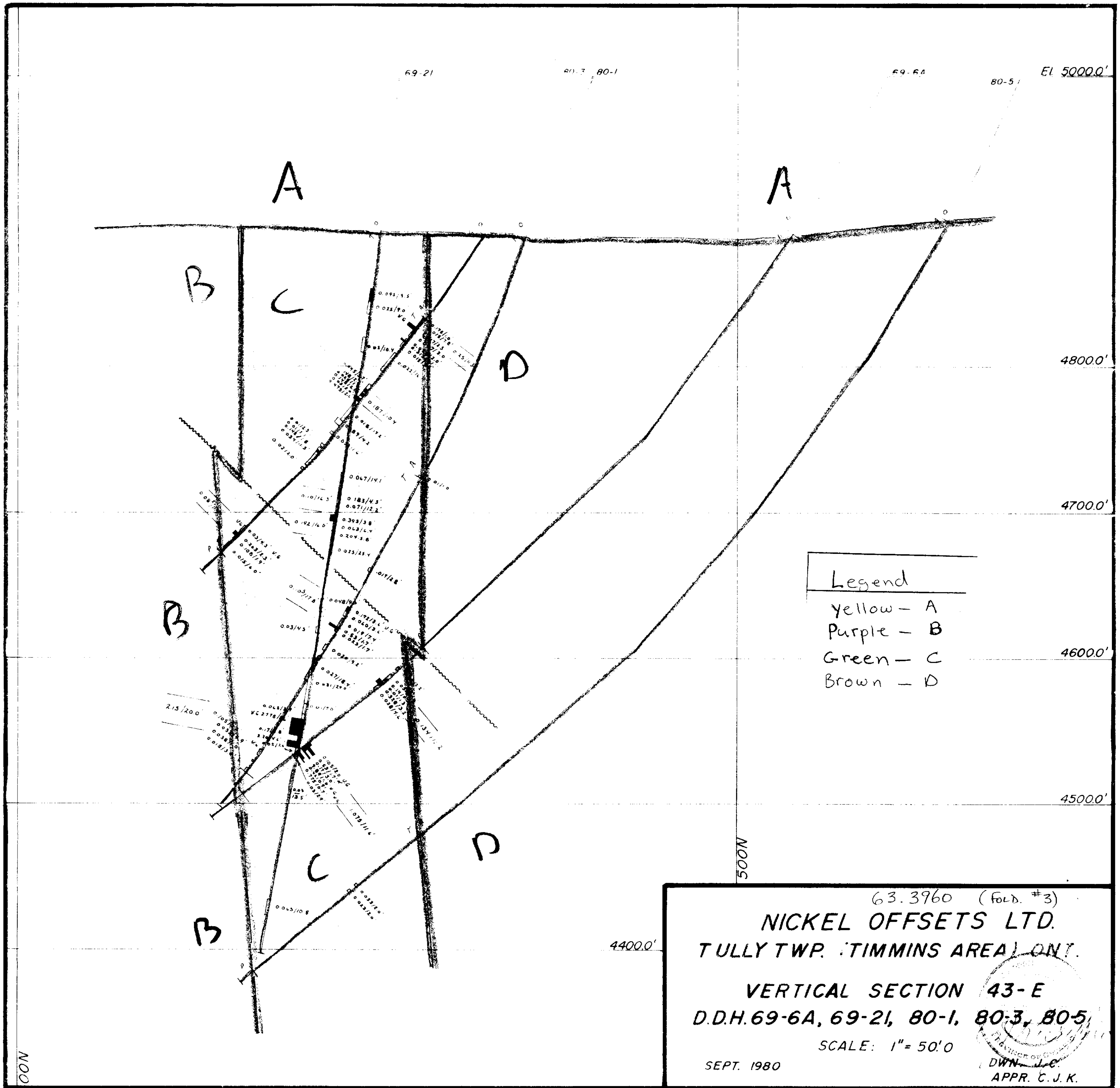
SCALE: 1" = 50'0

SEPT. 1980

DWN. J. C.
APPR. C.J. K.

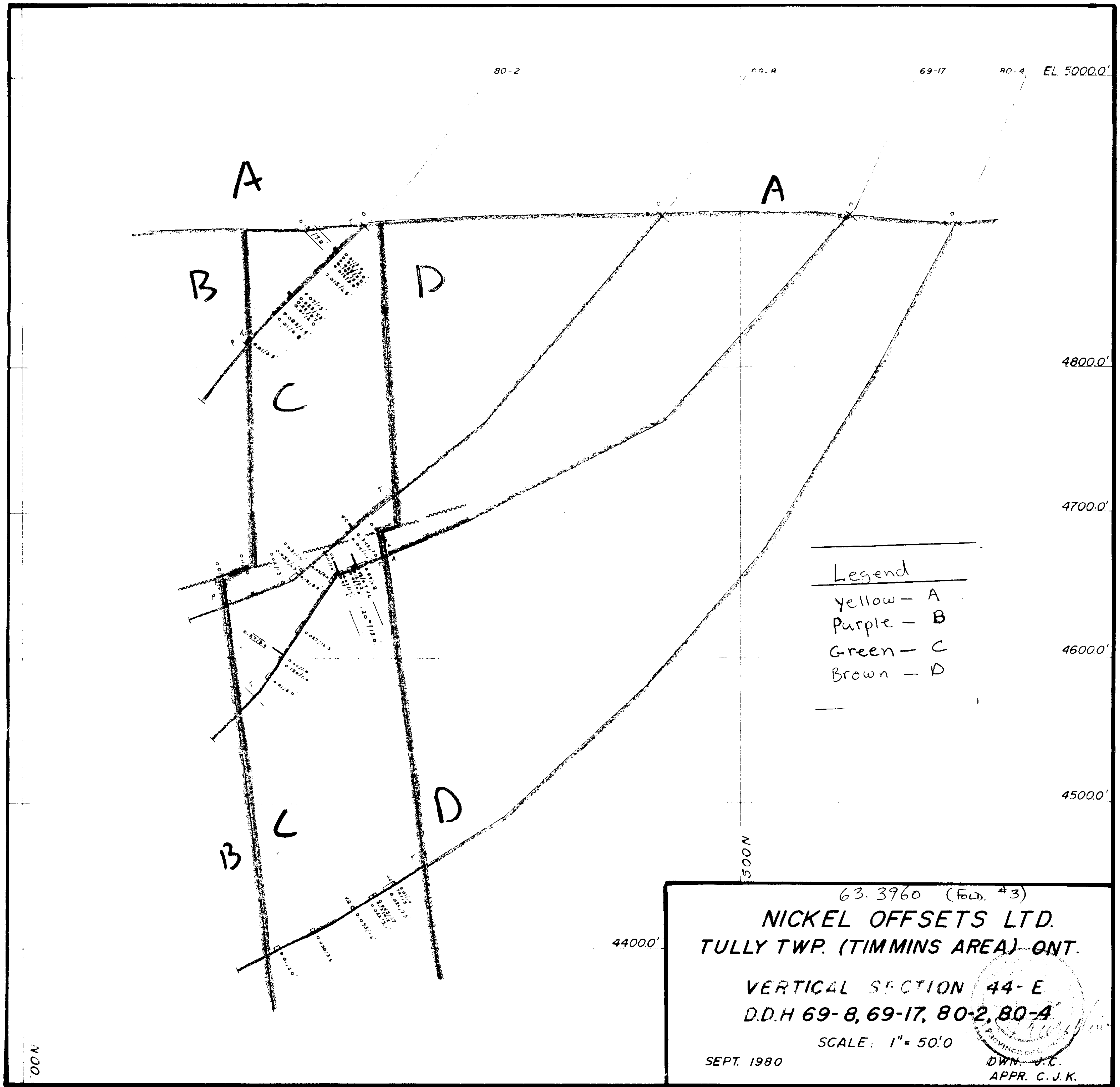
42A11NE0215 63.3960 TULLY

230



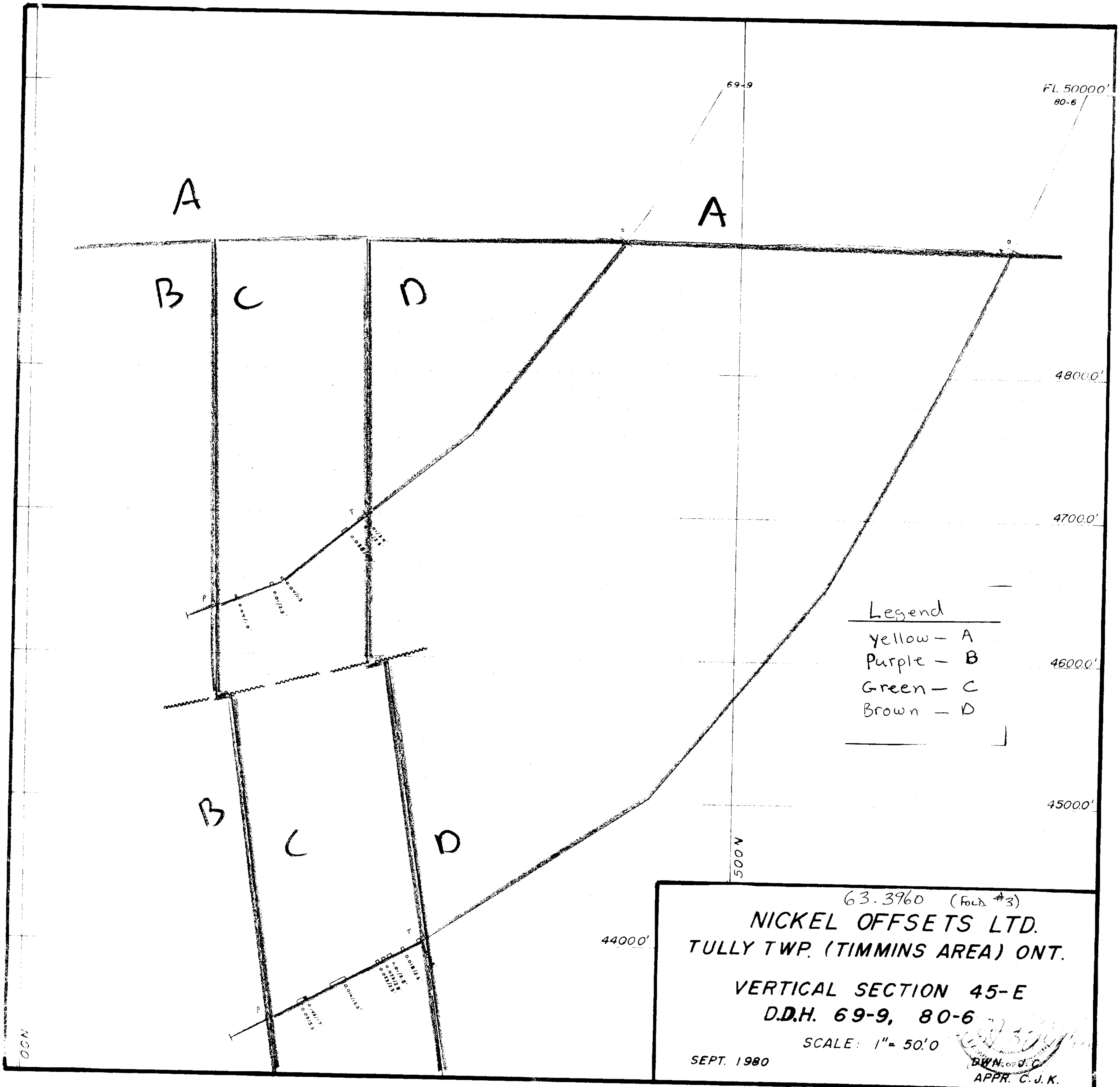
42A11NE0215 63.3960 TULLY

231



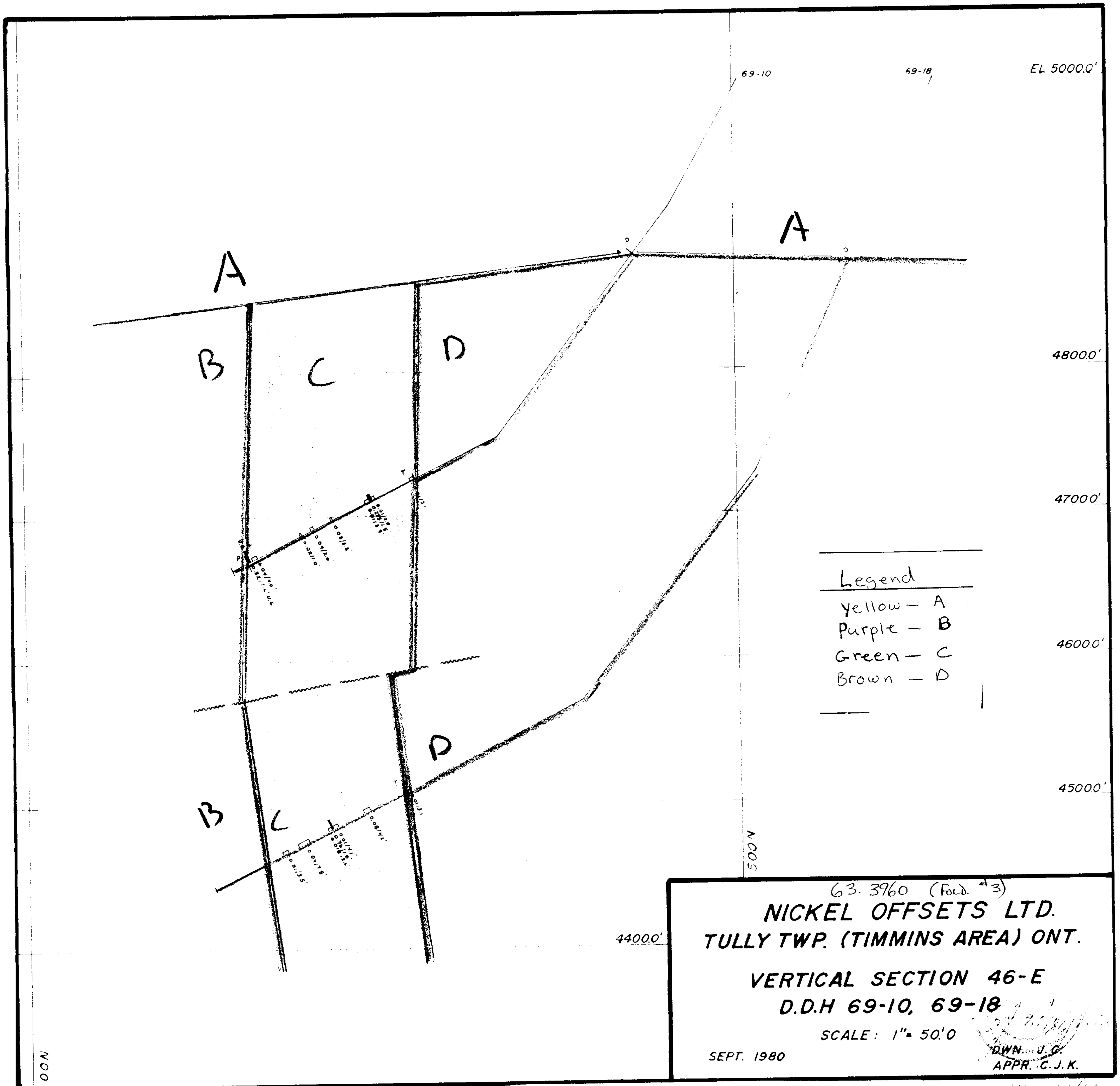
42A11NE0215 63.3960 TULLY

232



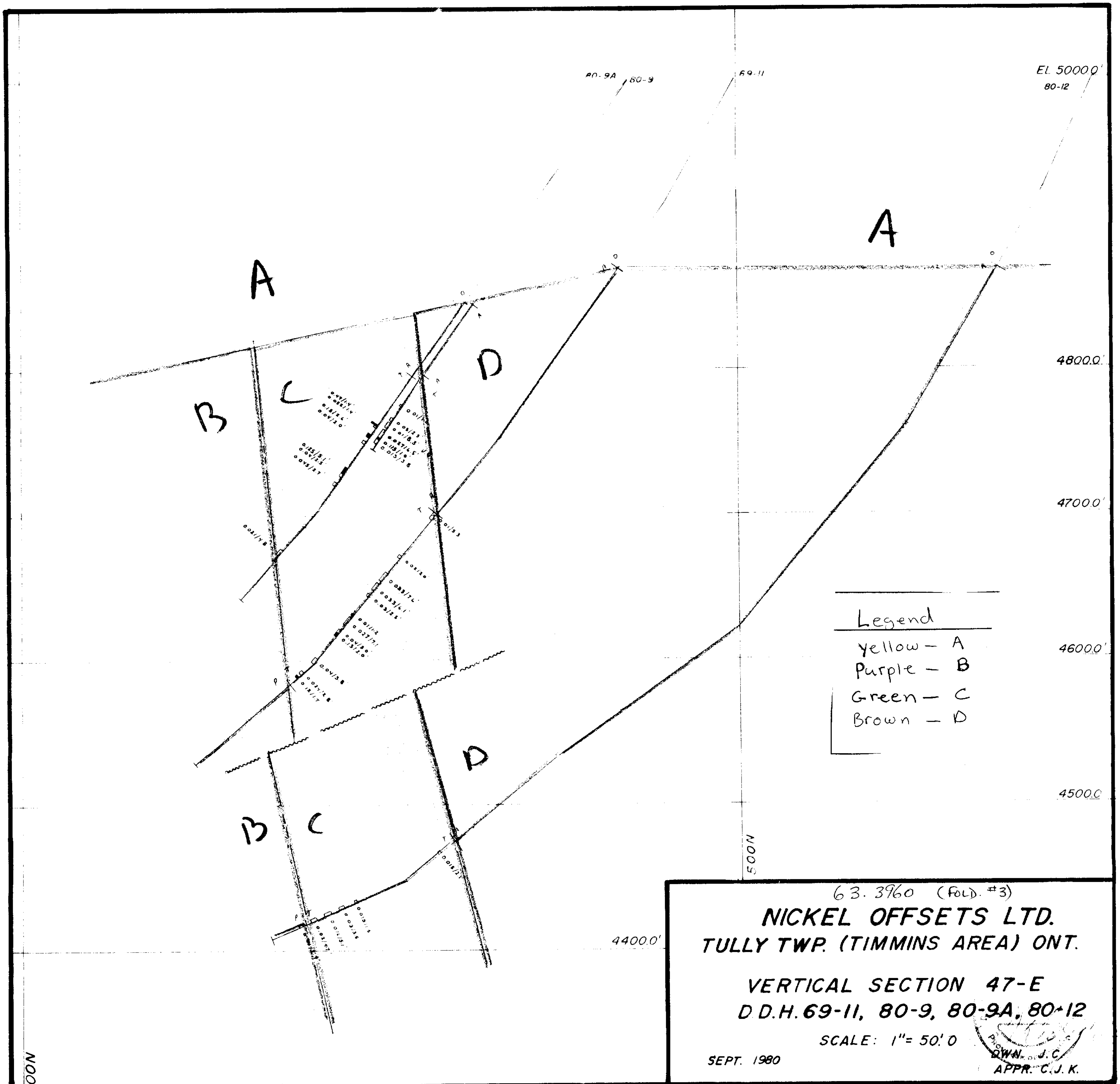
42A11NE0215 63.3960 TULLY

233



42A11NE0215 63.3960 TULLY

234



63.3960 (FOLD. #3)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 47-E

D.D.H. 69-11, 80-9, 80-9A, 80-12

SCALE: 1" = 50.0

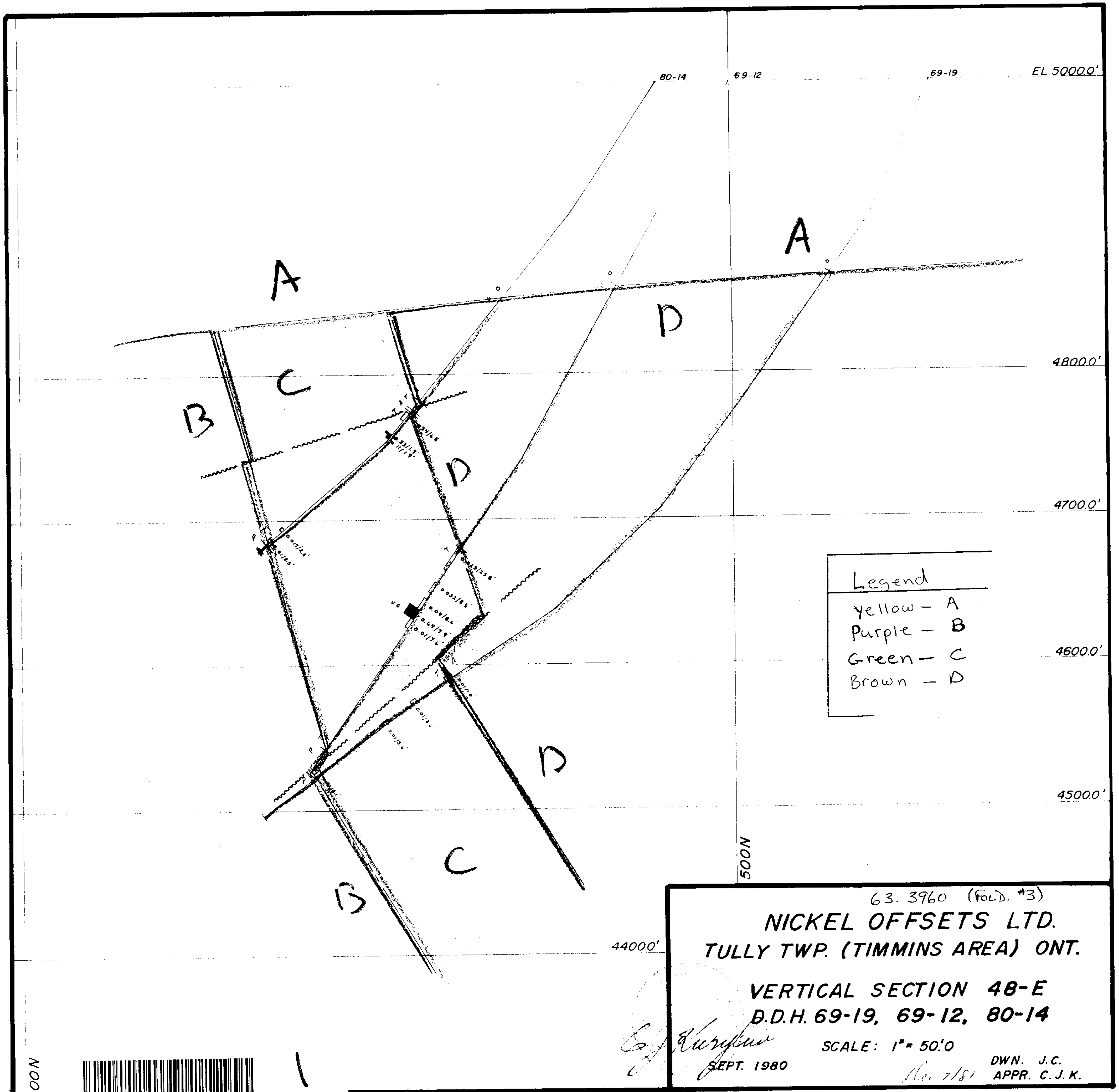
SEPT. 1980

DWN. J.C.

APPR. C.J.K.

42A11NE0215 63.3960 TULLY

235



63.3960 (FOLD. #3)

NICKEL OFFSETS LTD.

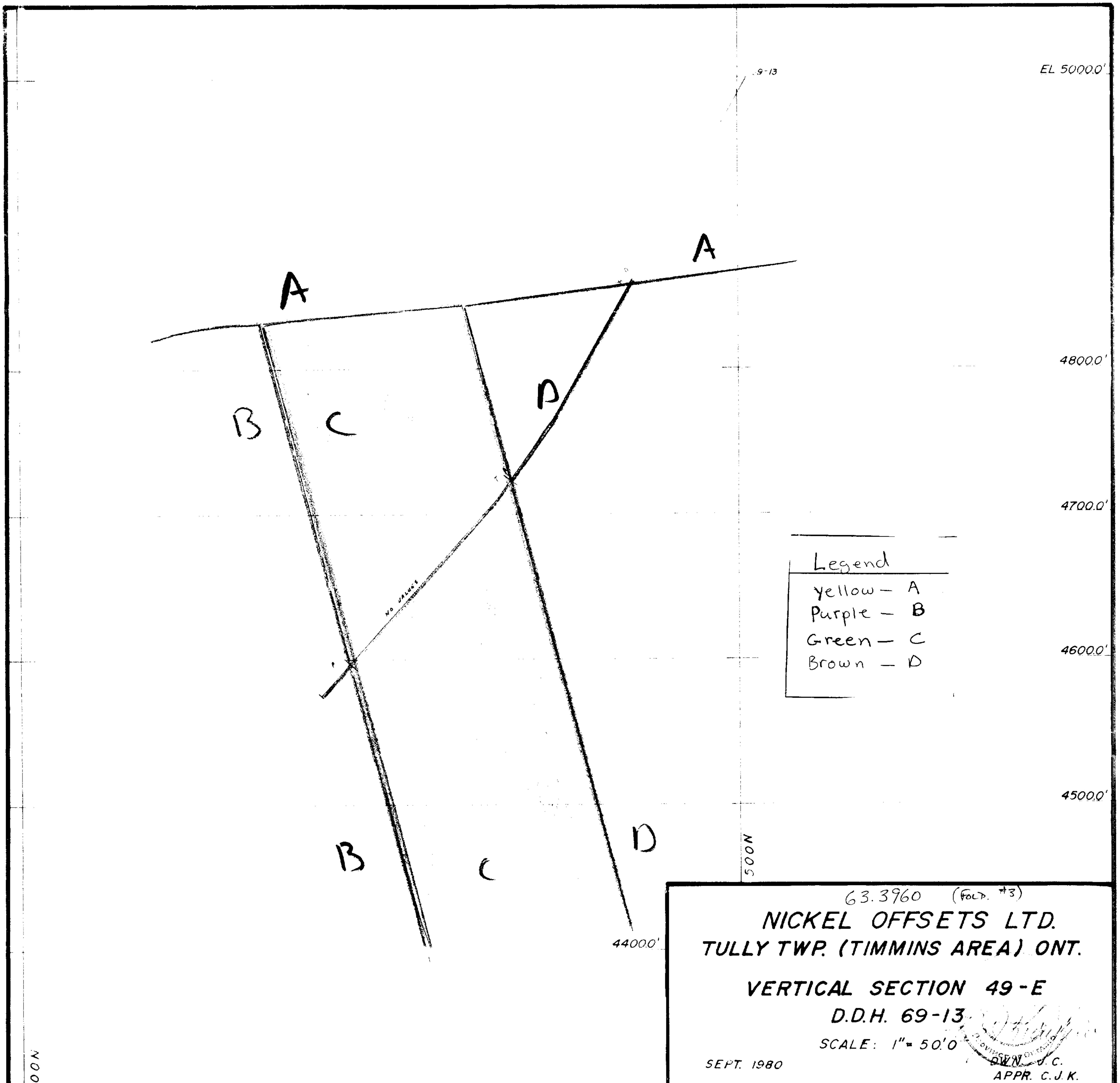
TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 48-E
D.D.H. 69-19, 69-12, 80-14

SCALE: 1" = 50.0

SEPT. 1980

DWN. J.C.
APPR. C.J.K.



63.3960 (Fold. #3)

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 49-E

D.D.H. 69-13

SCALE: 1" = 50'0

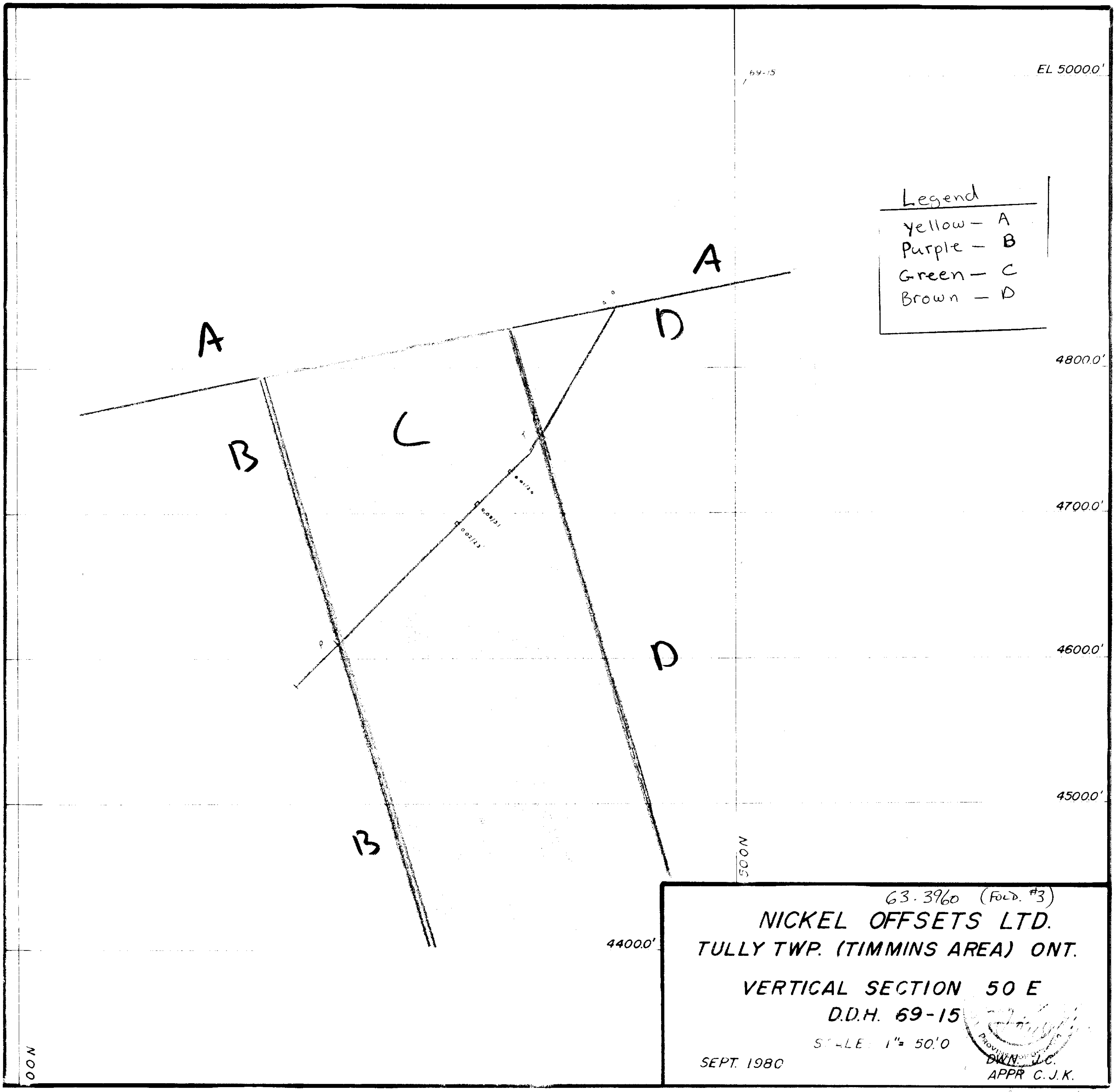
SEPT. 1980

DWN. J.C.

APPR. C.J.K.

42A11NE0215 63.3960 TULLY

237



63.3960 (FOLD. #3)

NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

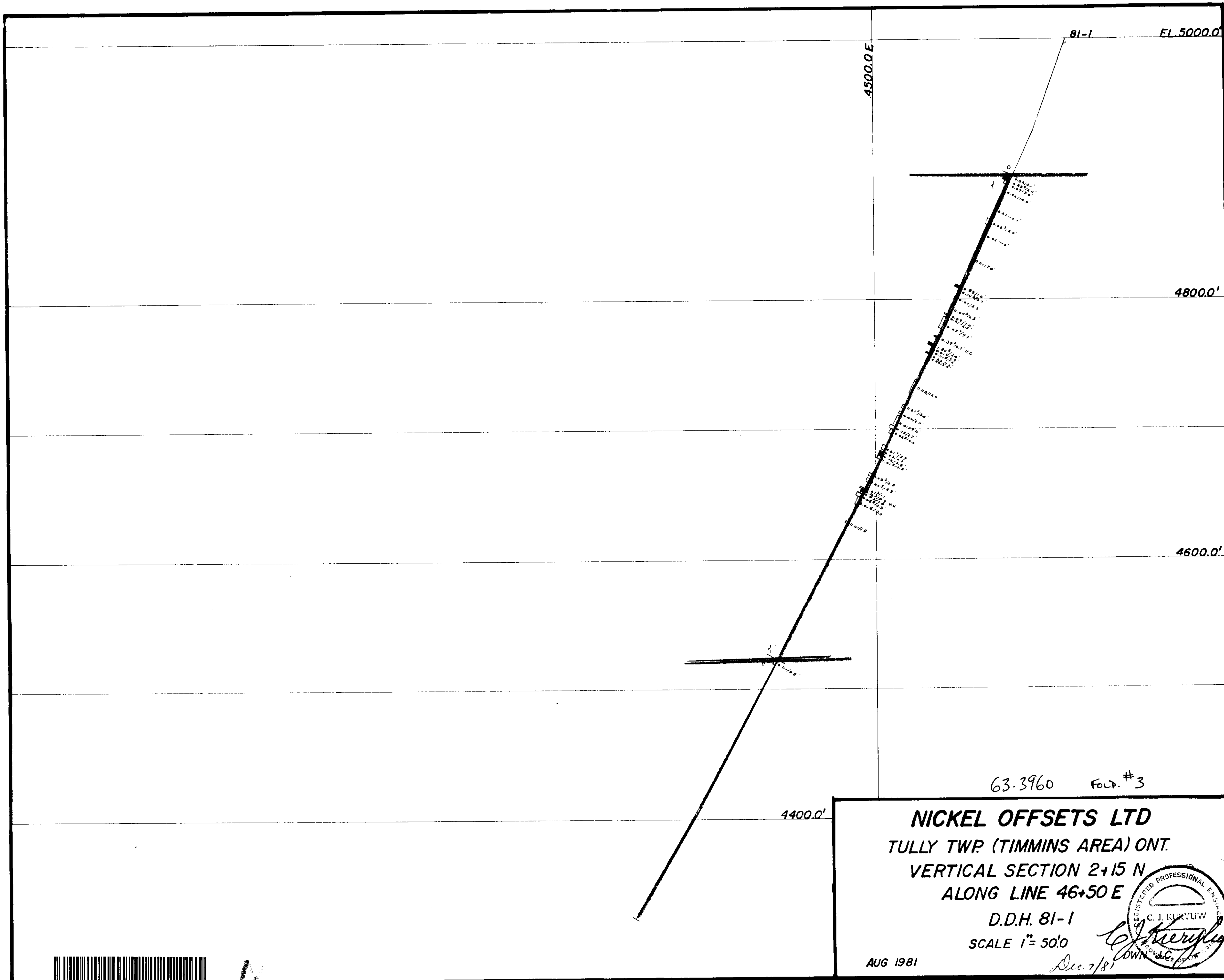
VERTICAL SECTION 50 E
D.D.H. 69-15

SCALE 1" = 50.0

SEPT. 1980

DWN. J.C.
APPR. C.J.K.

238



NICKEL OFFSETS LTD

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 2+15 N
ALONG LINE 46+50 E

D.D.H. 81-1

SCALE 1" = 50.0

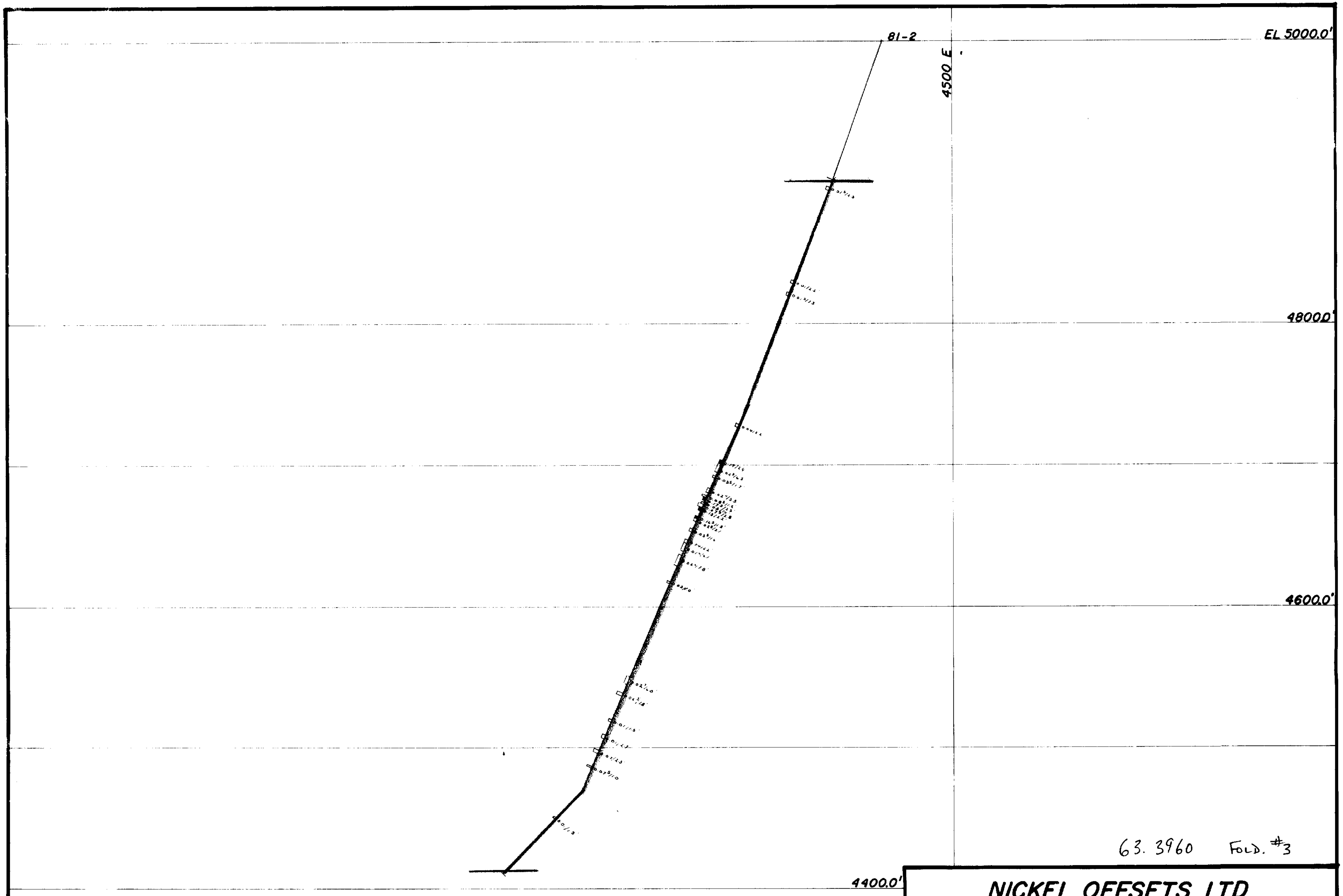
AUG 1981

DWN. J.C.

Dec. 7/81

REGISTERED PROFESSIONAL ENGINEER C. J. KURYLIW PROVINCE OF ONTARIO

C J Kuryliw



63.3960 FOLD. #3

NICKEL OFFSETS LTD

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 2+00N

ALONG LINE 44+50E

D.D.H. 81-2

SCALE 1" = 50.0'

AUG 1981

DWN VG.

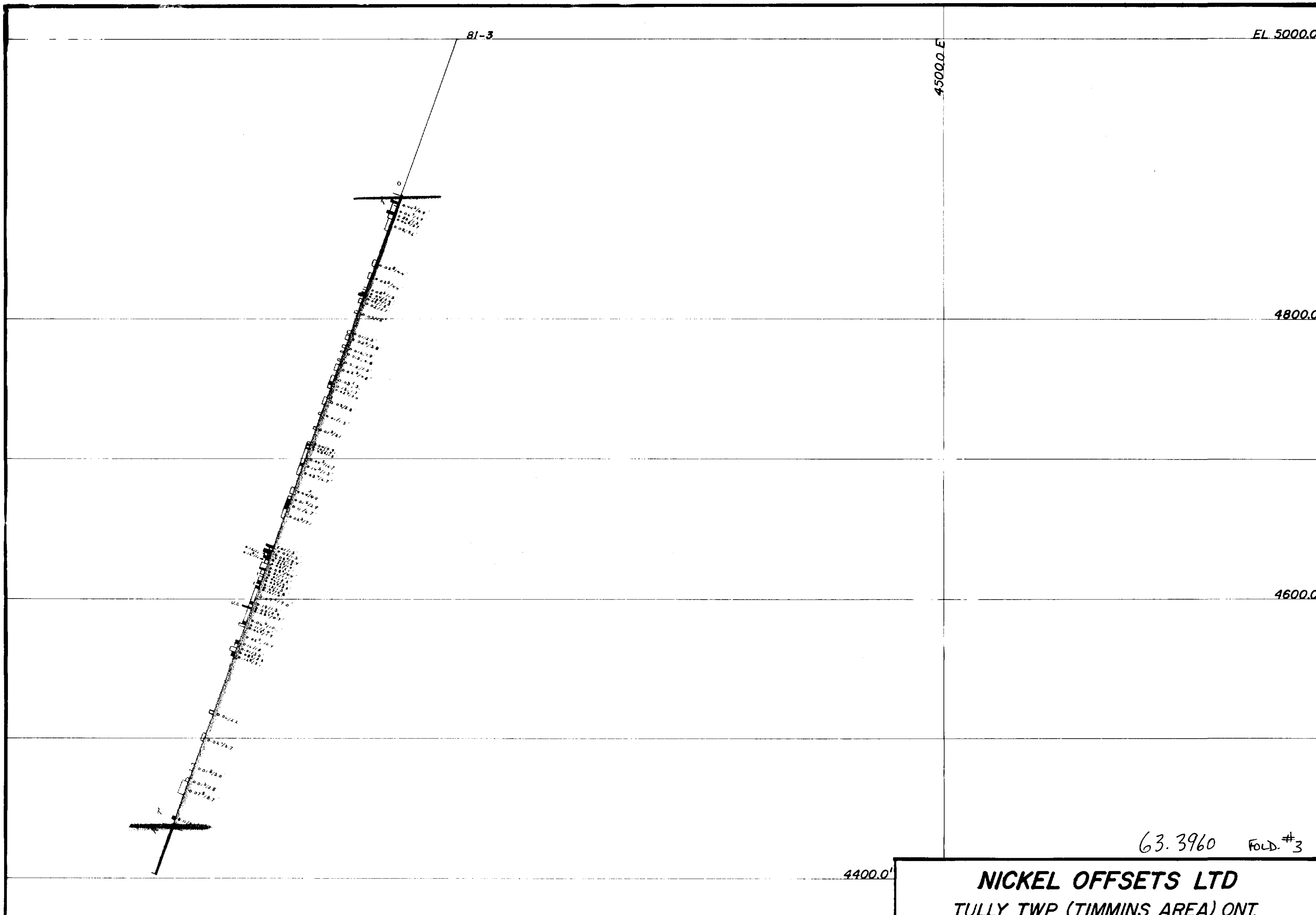
APPR C.J.K.

C. J. KURYLOW

REGISTERED PROFESSIONAL ENGINEER

PROVINCE OF ONTARIO

Dec. 7/81



63.3960 FOLD. #3

NICKEL OFFSETS LTD

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 2+12 N

ALONG LINE 41+50 E

D.D.H. 81-3

SCALE 1" = 50'.0

AUG 1981

DWN. J.C.

APPR. C.J.K.

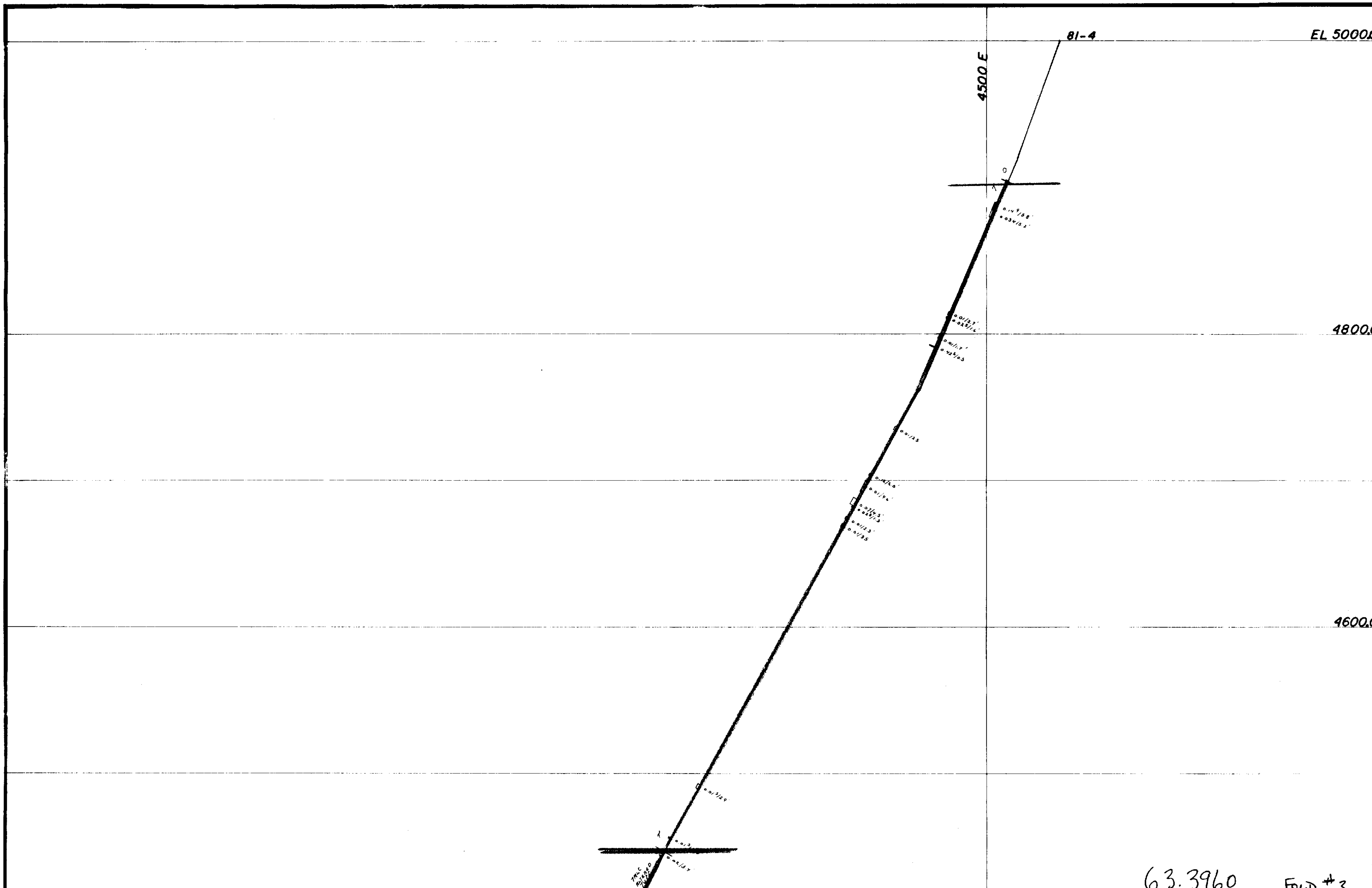
Dec. 7/81

C. J. KUZYLUW

REGISTERED PROFESSIONAL ENGINEER

42A11NE0215 63.3960 TULLY

241



63.3960 FOLD. #3

NICKEL OFFSETS LTD

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 2+00 N

ALONG LINE 45+50 E

D.D.H. 81-4

SCALE 1" = 50.'0

AUG 1981

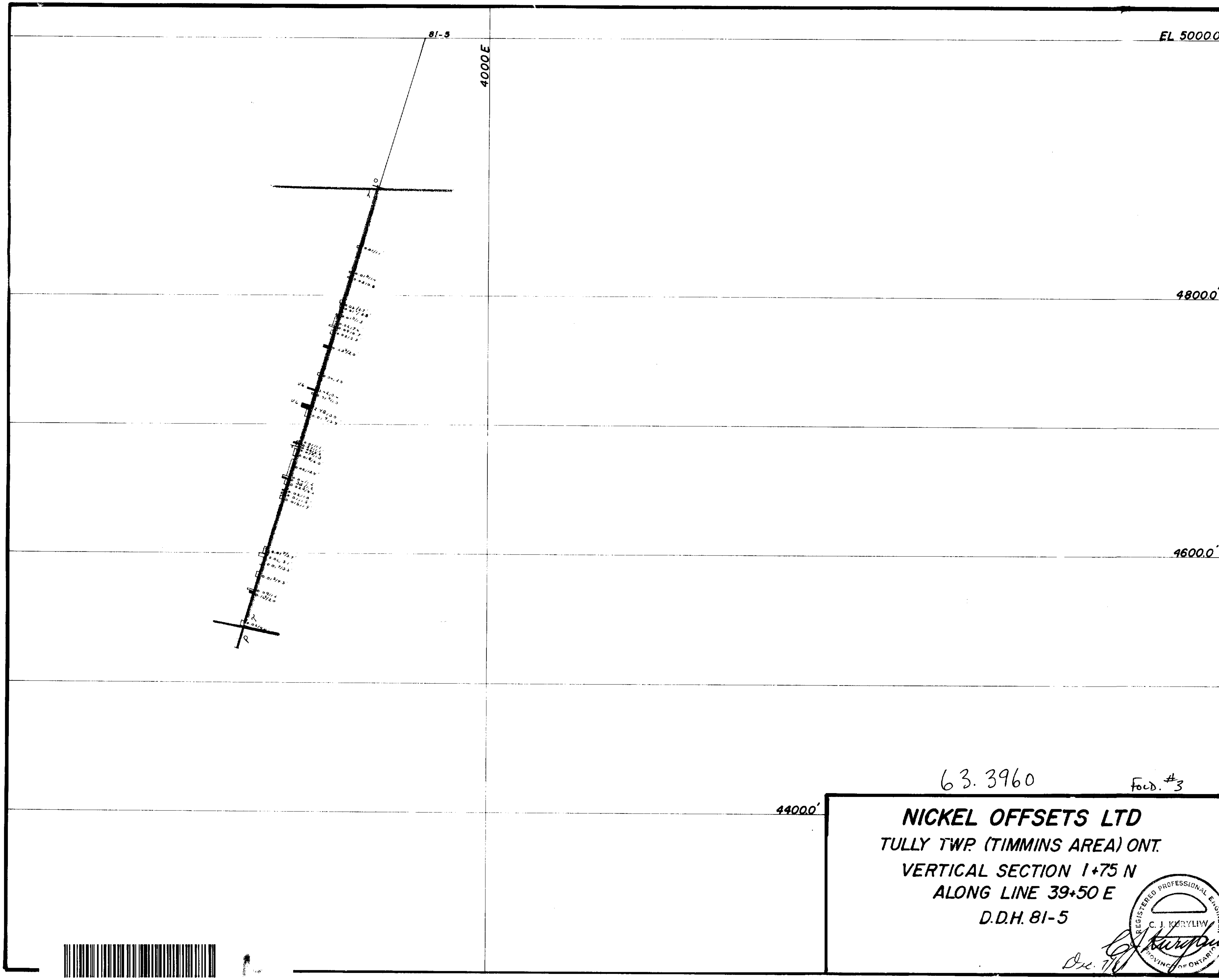
Dec-7/81

DWN

APPR C.J.K.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

242



63.3960

Focd. #3

NICKEL OFFSETS LTD

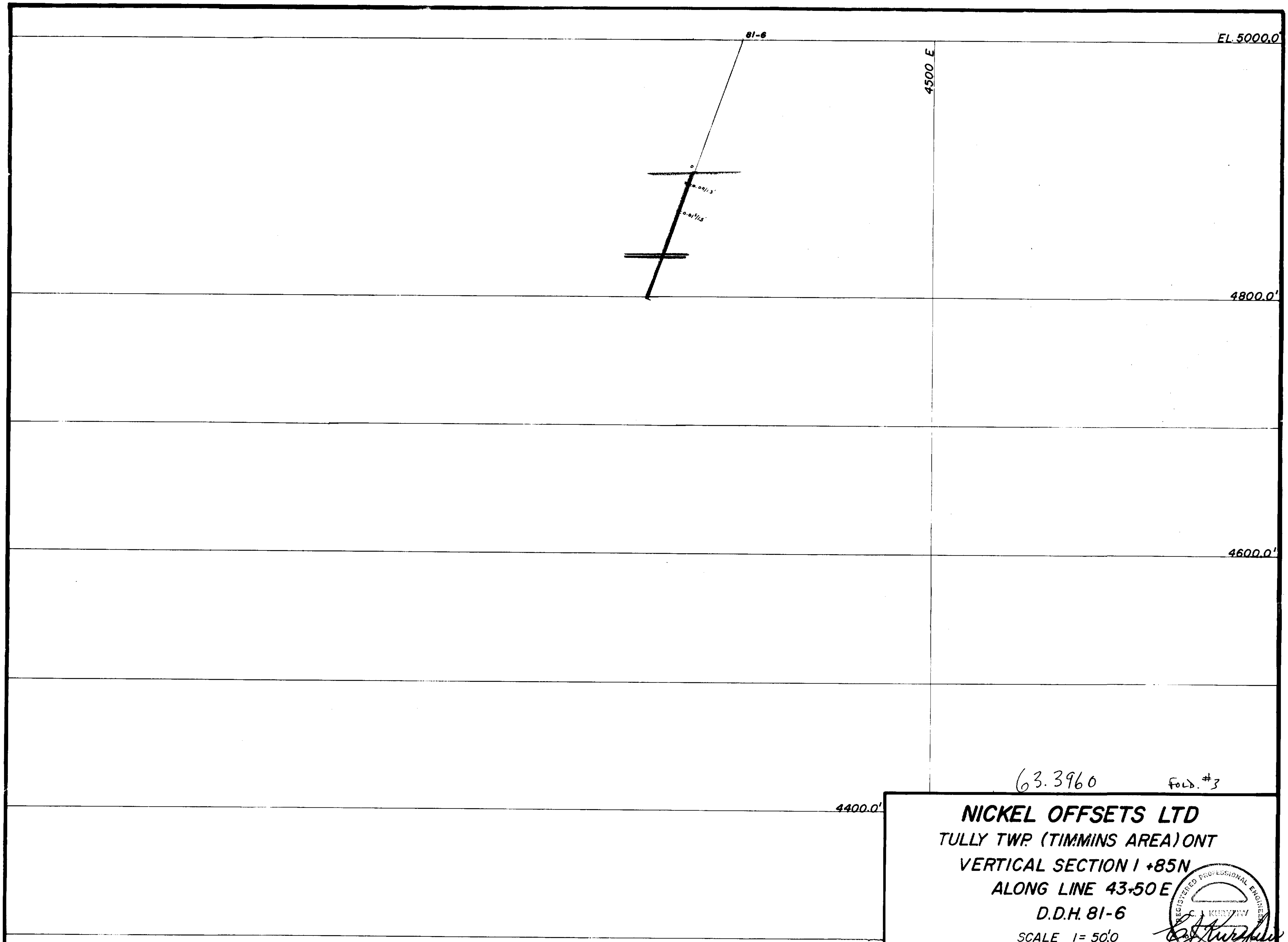
TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 1+75 N

ALONG LINE 39+50 E

D.D.H. 81-5

Dec. 7/81



63.3960 FOLD. #3

NICKEL OFFSETS LTD

TULLY TWP. (TIMMINS AREA) ONT

VERTICAL SECTION 1+85N

ALONG LINE 43+50 E

D.D.H. 81-6

SCALE 1 = 50.0

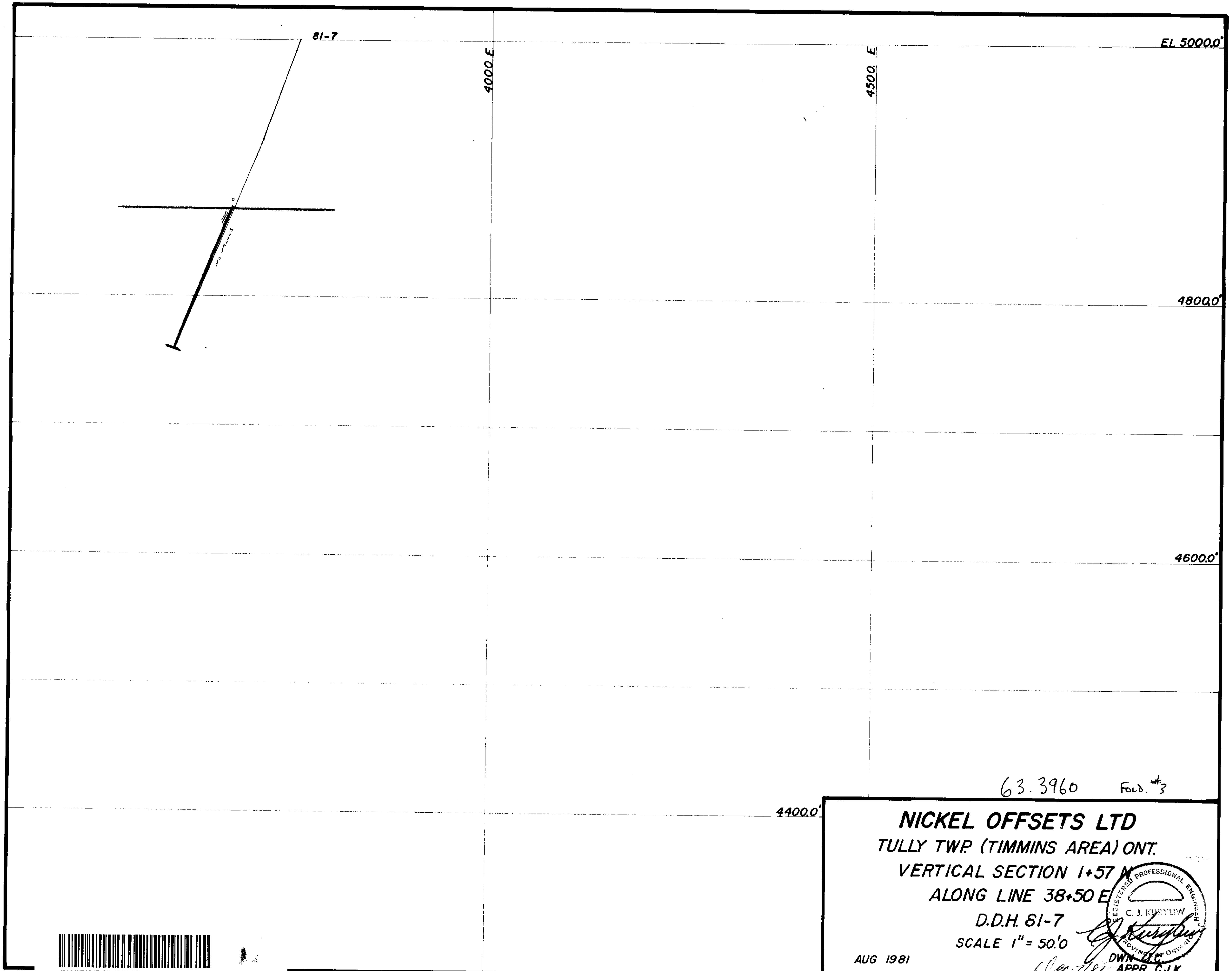
AUG. 1981

DWN. J.C.

APPR. C.J.K.

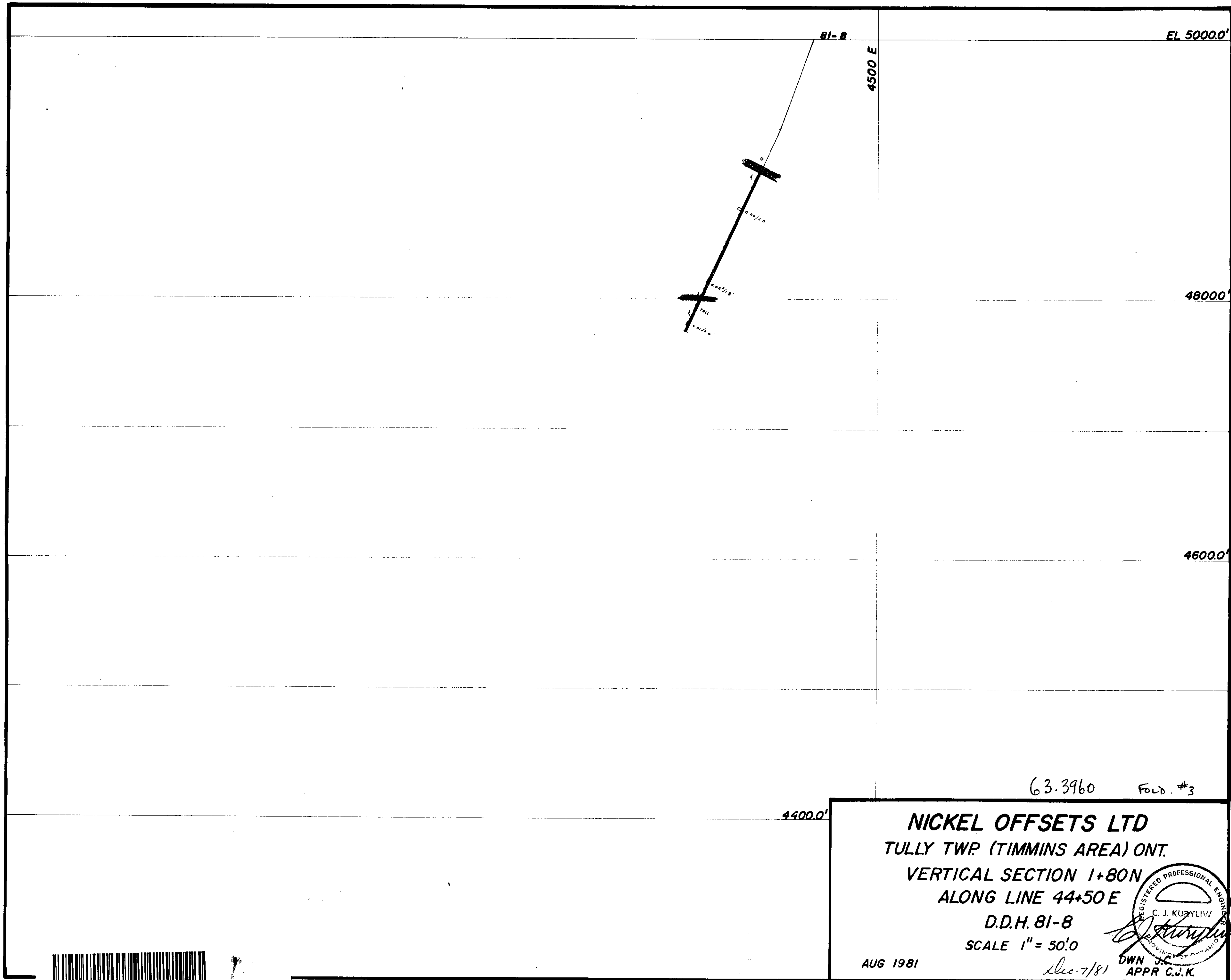
Dec 7/81

REGISTERED PROFESSIONAL ENGINEER C. J. KURYLIW



42A11NE0215 63.3960 TULLY

245



NICKEL OFFSETS LTD

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 1+80N

ALONG LINE 44+50 E

D.D.H. 81-8

SCALE 1" = 50'.0

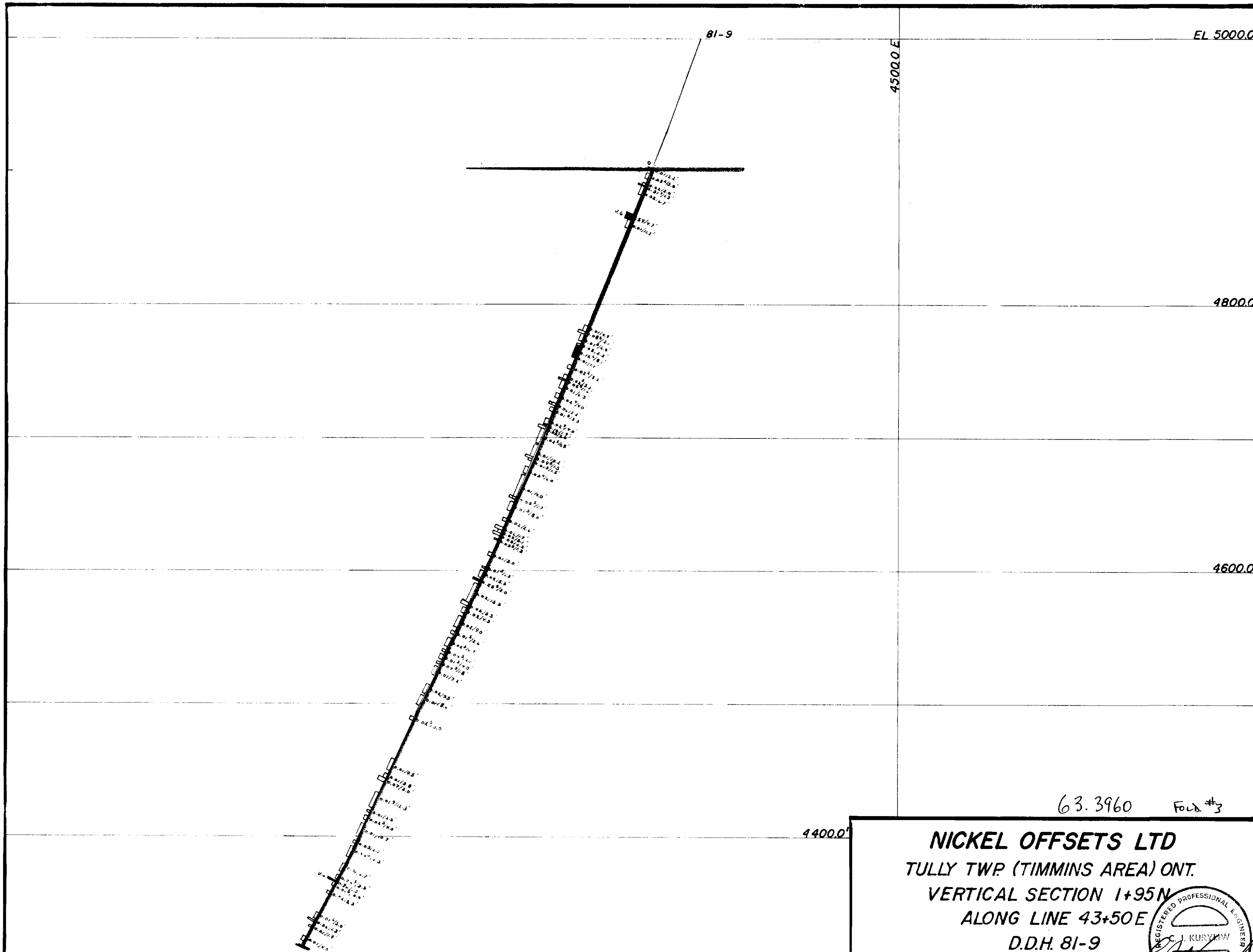
AUG 1981

Dec. 7/81

DWN J.C.

APPR C.J.K.

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO



63.3960 Fold. #3

NICKEL OFFSETS LTD

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 1+95 N

ALONG LINE 43+50 E

D.D.H. 81-9

SCALE 1" = 50.'0

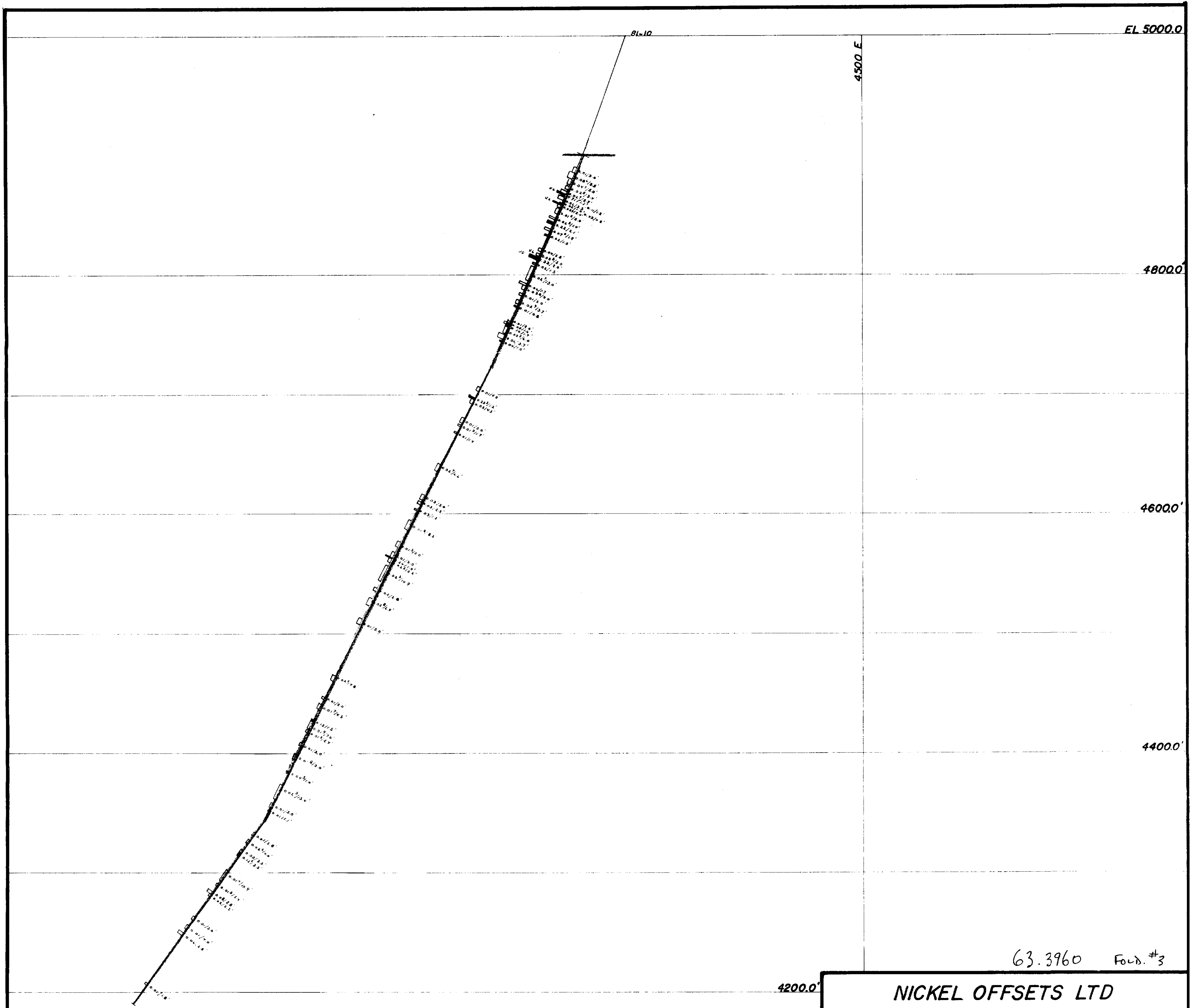
AUG 1981

DWN. J.C.

APPR C.J.K.

REGISTERED PROFESSIONAL ENGINEER C.J. KURYLUK PROVINCE OF ONTARIO

247



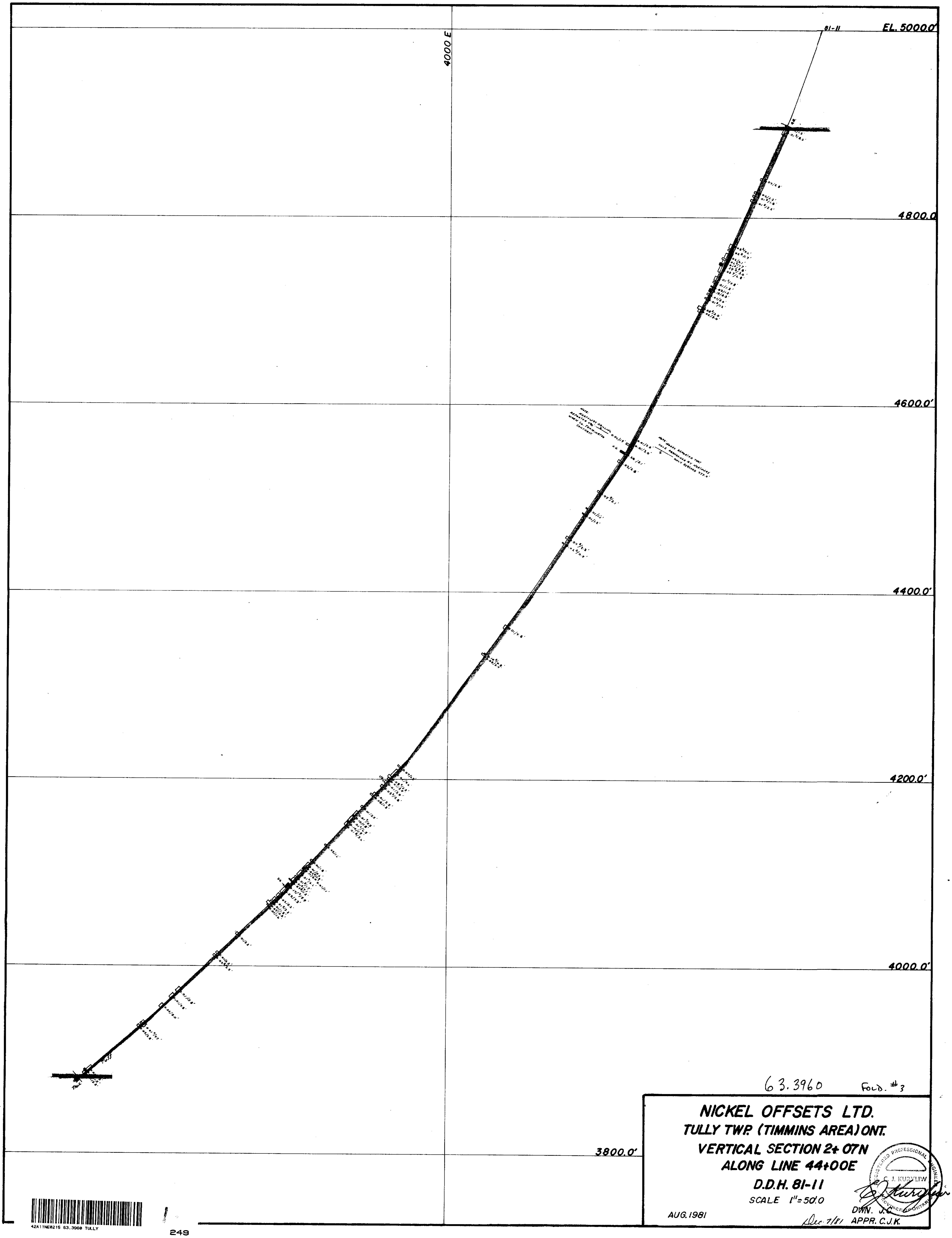
63.3960 FOLD. #3

NICKEL OFFSETS LTD
TULLY TWP. (TIMMINS AREA) ONT
VERTICAL SECTION 2+12 N
ALONG LINE 43+00 E
D.D.H. 81-10
SCALE 1"=50'0

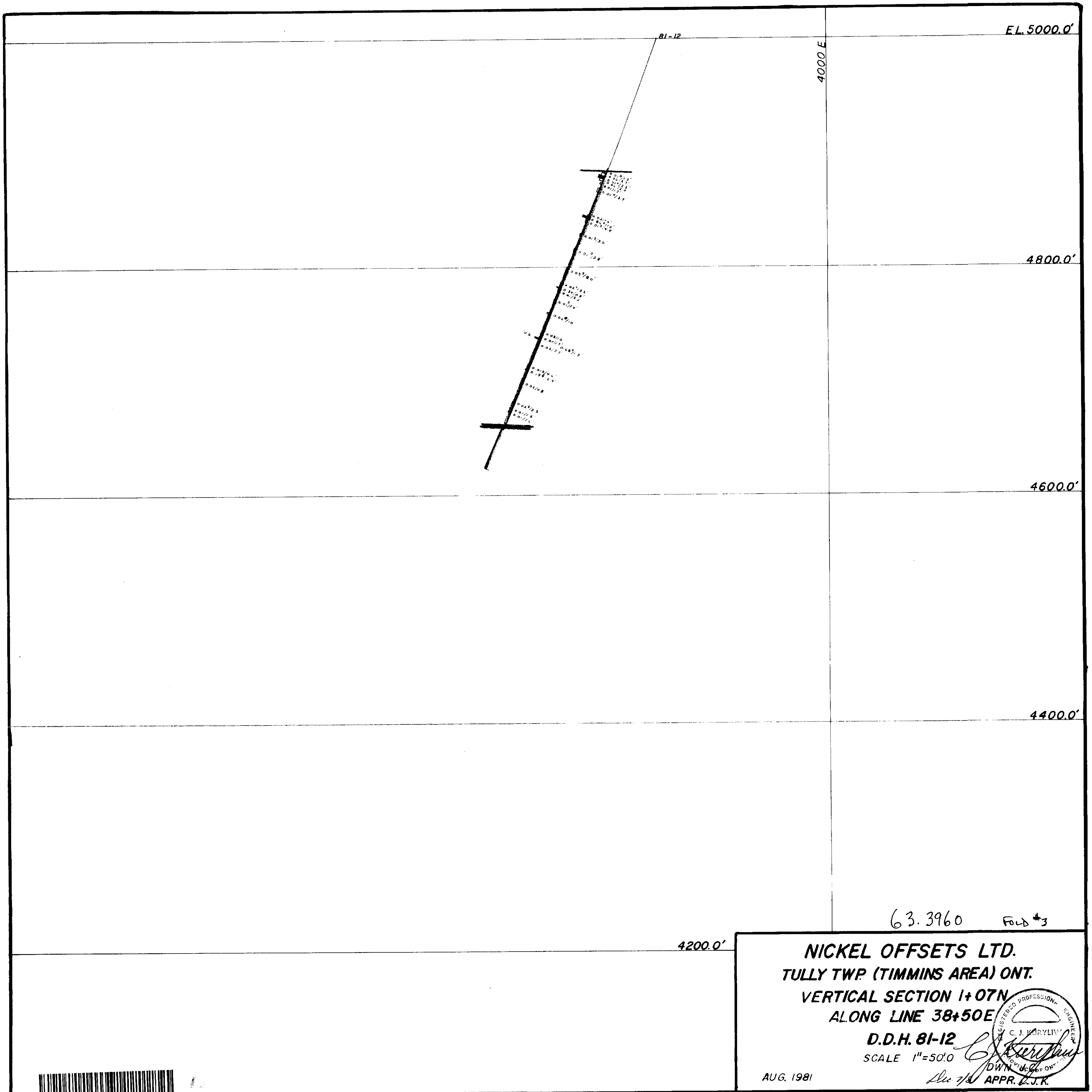
AUG. 1981

DWN. J.C.
APPR. C.J.K.
Dec. 7/81

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO



81-11
EL. 5000.0'
4000 E
4800.0'
4600.0'
4400.0'
4200.0'
4000.0'
3800.0'
63.3960
FOLD. #3
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 2+07N
ALONG LINE 44+00E
D.D.H. 81-11
SCALE 1"=50.0
AUG. 1981
DWN. J.C.
APPR. C.J.K.
C. J. KURYLIW



63.3960 FOLD #3

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 1+07N

ALONG LINE 38+50E

D.D.H. 81-12

SCALE 1"=50.0'

AUG. 1981

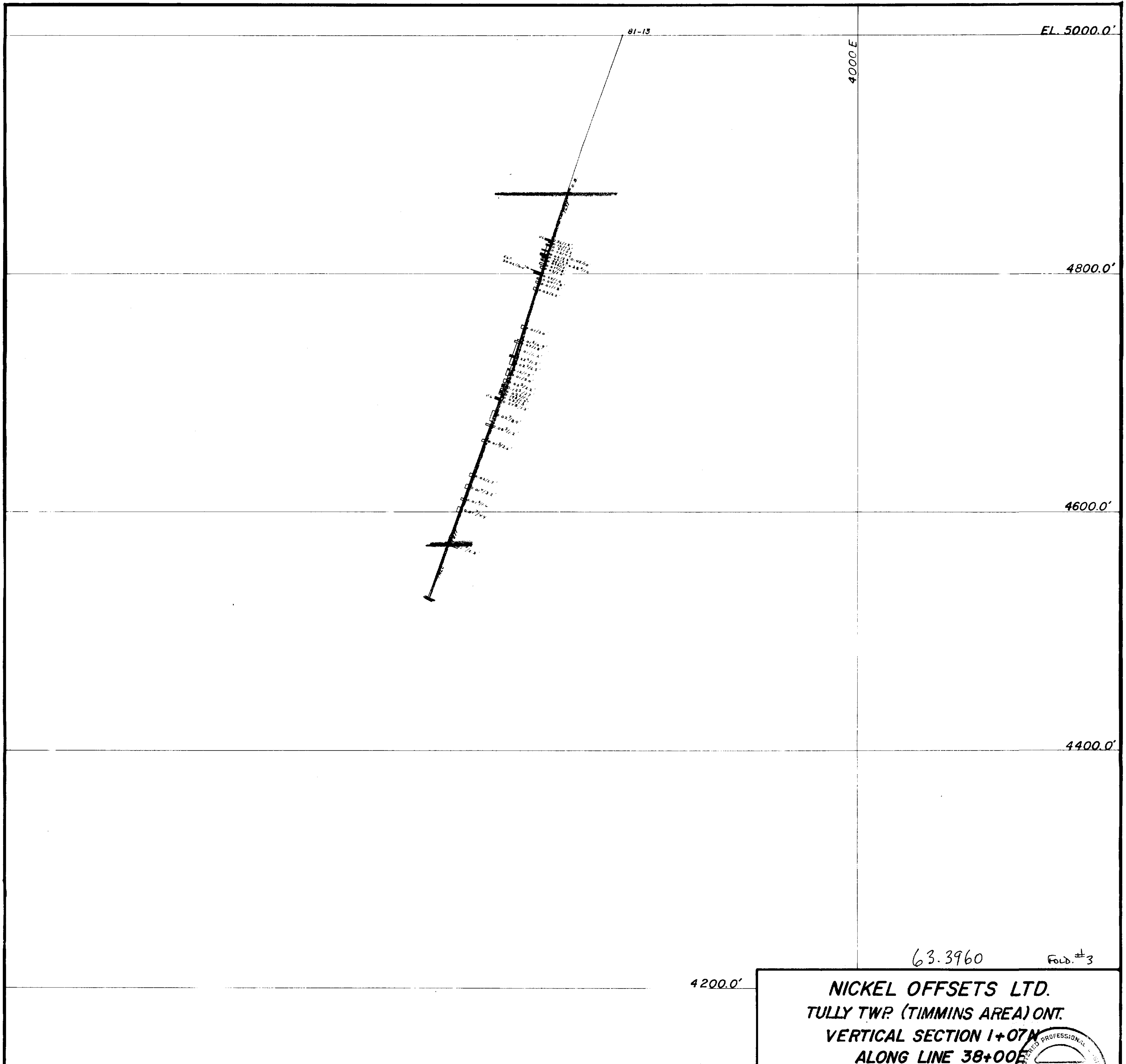
DWN.

APPR. C.J.K.

C. J. KURYLIW

42A11NE0215 63.3960 TULLY

250



NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 1+07N

ALONG LINE 38+00E

D.D.H. 81-13

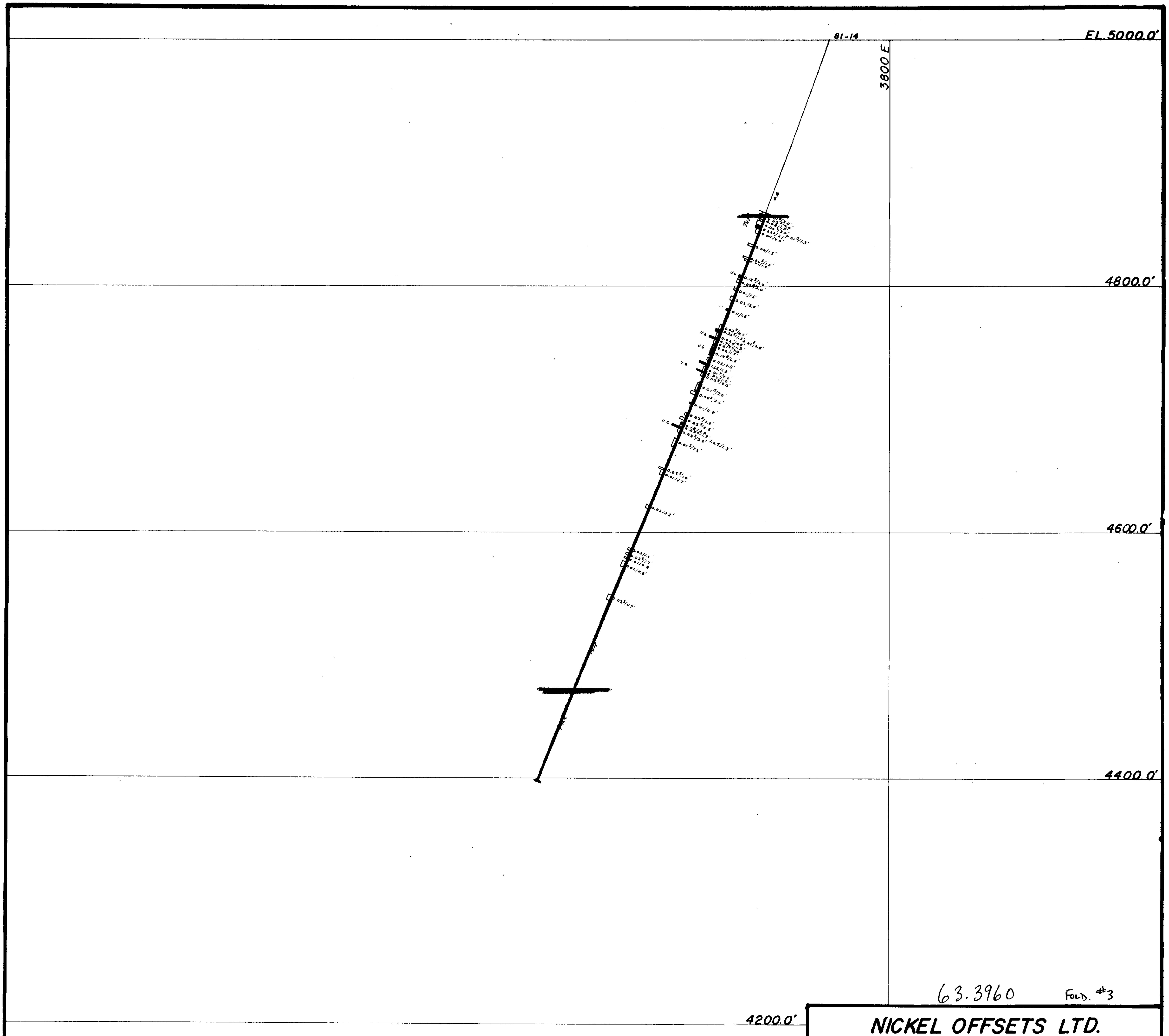
SCALE 1" = 50'.0

AUG. 1980

Dec 7/81

DWN. V.G.

APPR. C.J.K.



63.3960 FOLD. #3

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 0+64N ALONG LINE 37+50E

D.D.H. 81-14

SCALE 1" = 50'.0

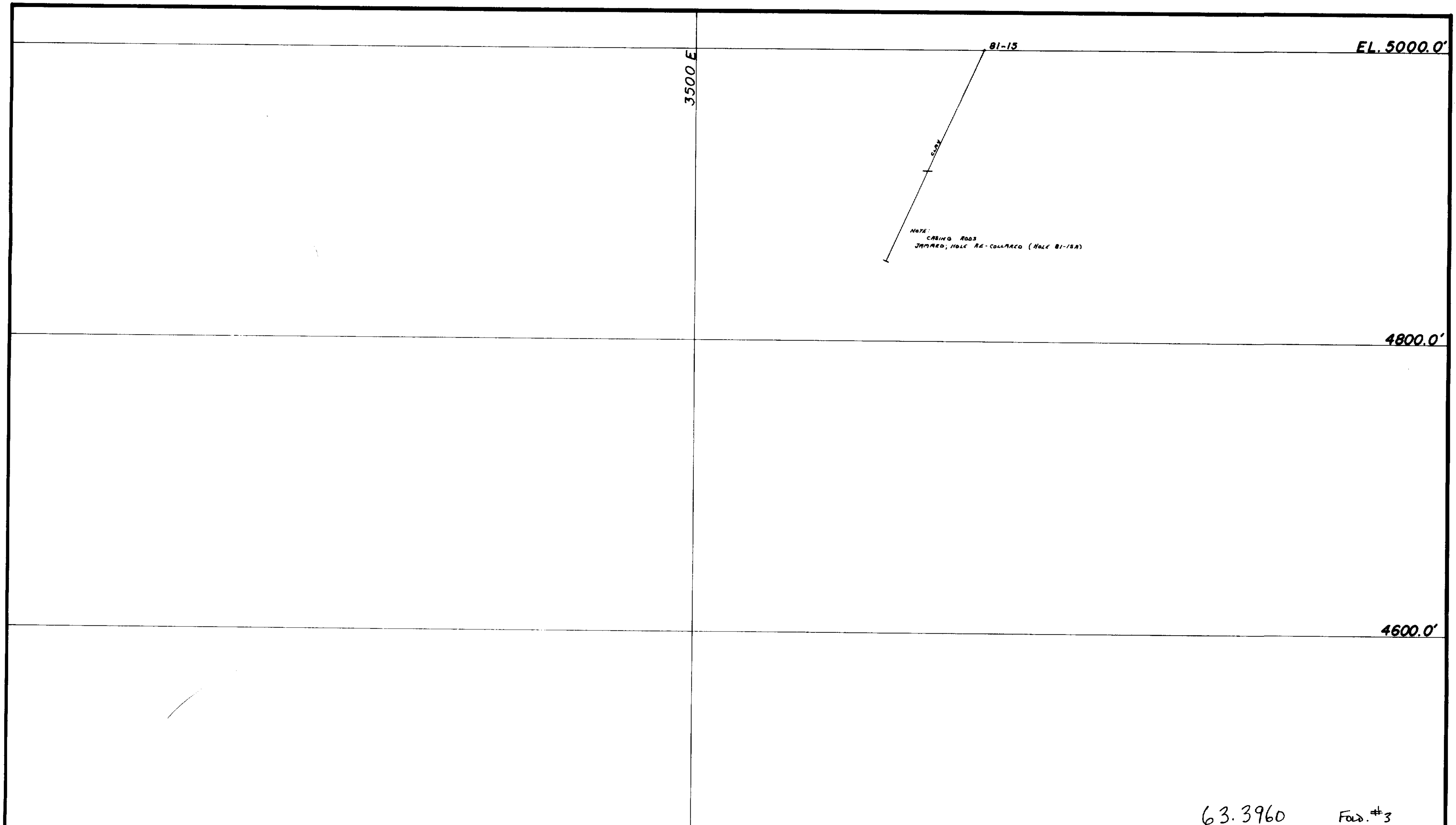
AUG. 1981

Dec 7/81

DWN. F.C.

APPR. C.J.K.

252



63.3960 FOLD. #3

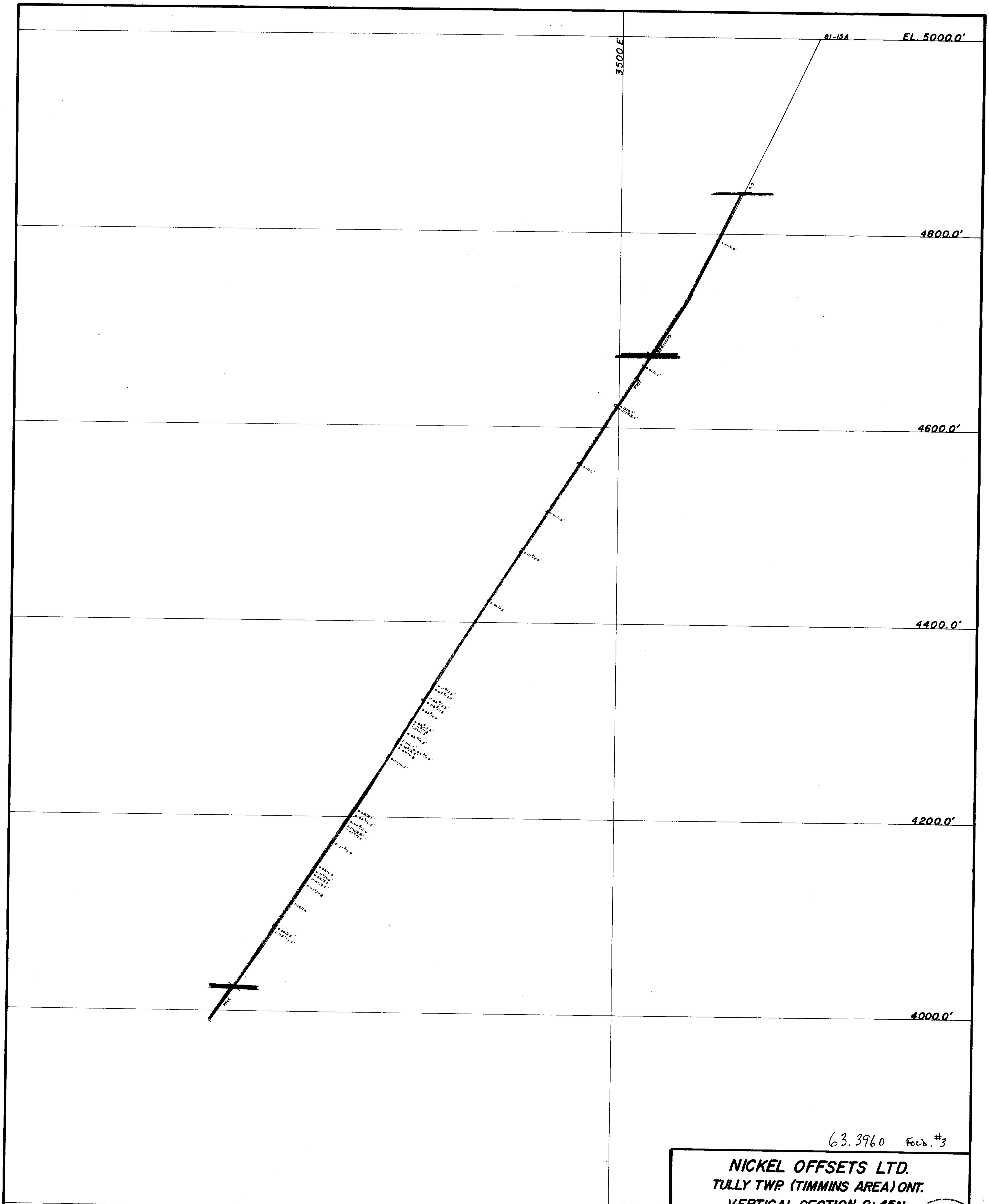
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 0+42N
ALONG LINE 37+00E
D.D.H. 81-15
SCALE 1" = 50'0

AUG. 1981

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

Dec. 4/81

DWN. D.C.
APPR. C.J.K.



63.3960 FOLD. #3

NICKEL OFFSETS LTD.

TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 0+45N

ALONG LINE 37+04E

D.D.H. 81-15A

SCALE 1" = 50.0

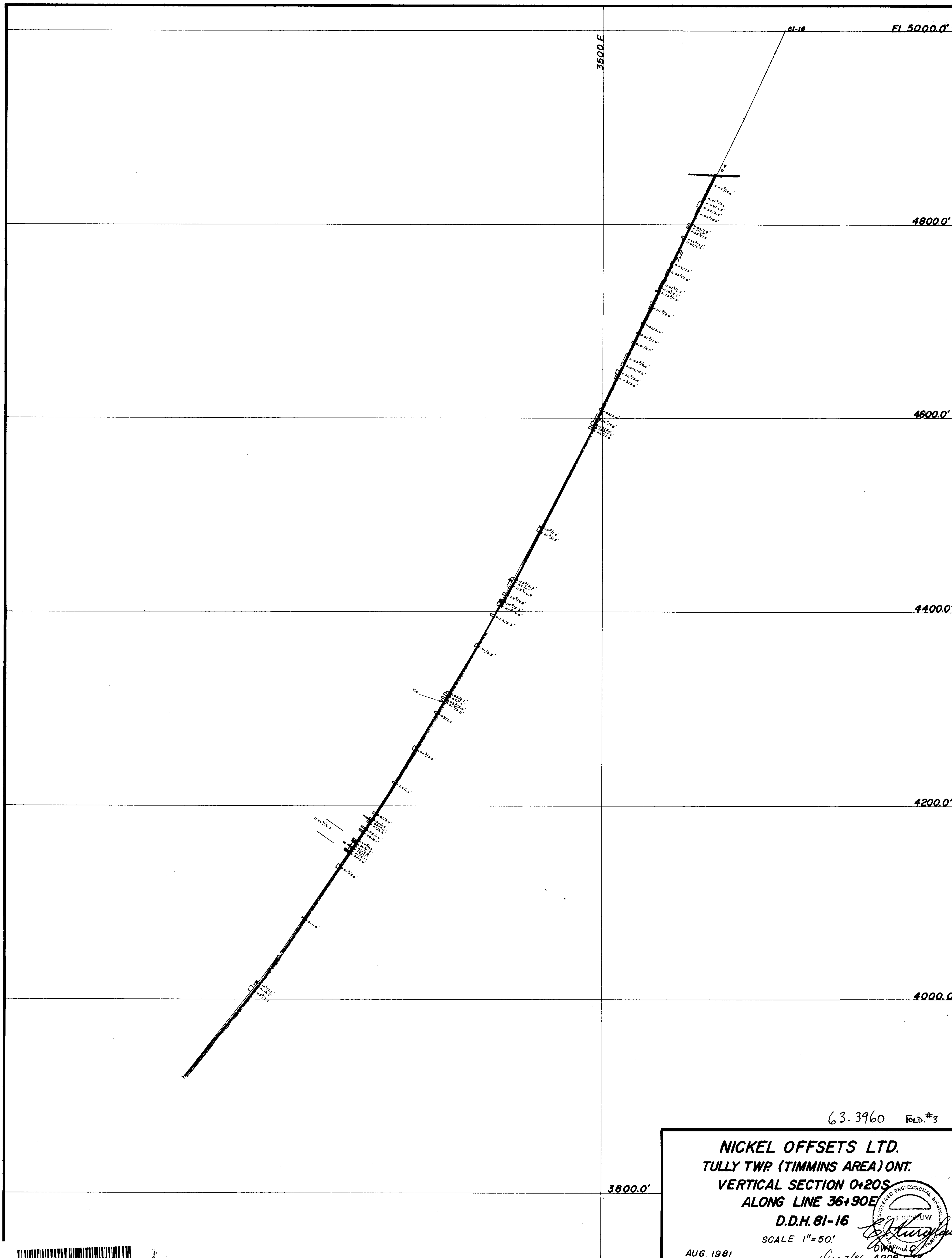
AUG.1981 Dec 7/81

DWN. J.C.

APPR. C.J.K.

42A11NE0215 63.3960 TULLY

254



63.3960 FOLD. #3

NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.
VERTICAL SECTION 0+20S
ALONG LINE 36+90E
D.D.H. 81-16

SCALE 1" = 50'

AUG. 1981

Dec 7/81

DWN. J.C.
APPR. C.J.K.

42A11NE0215 63.3960 TULLY

256

42A11NE0215 63.3960 TULLY

257

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

63.3960
FOLD. #3

PLAN
OF
400' DEPTH
SHOWING D.D. HOLES, Au. VALUES, GEOLOGY.

SCALE: 1" = 50'

OCT. 1980

DWN. BY J.C.
APPR. C.J.K.

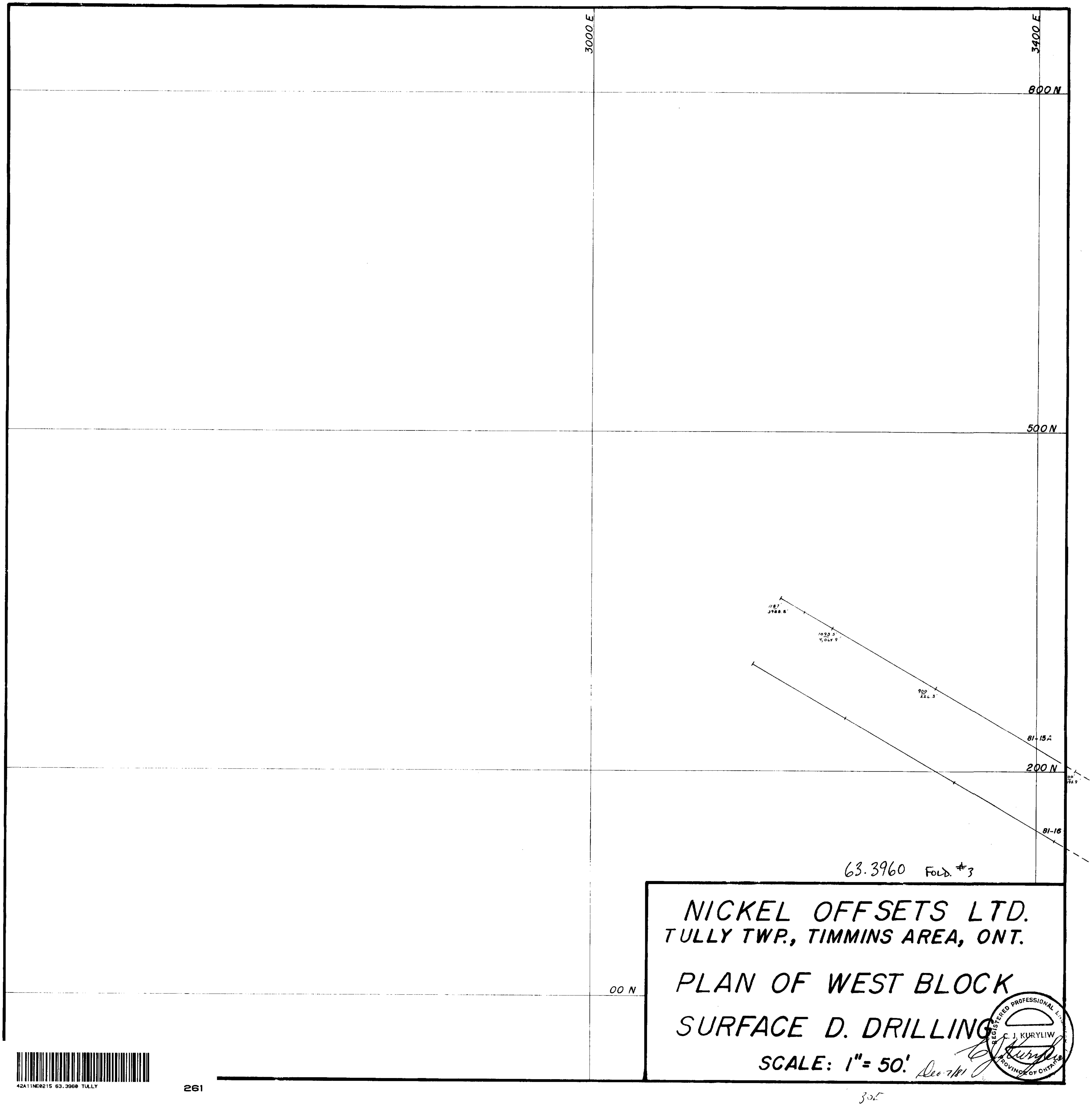
258

42A11NE0215 63.3960 TULLY

259

42A11NE0215 63.3960 TULLY

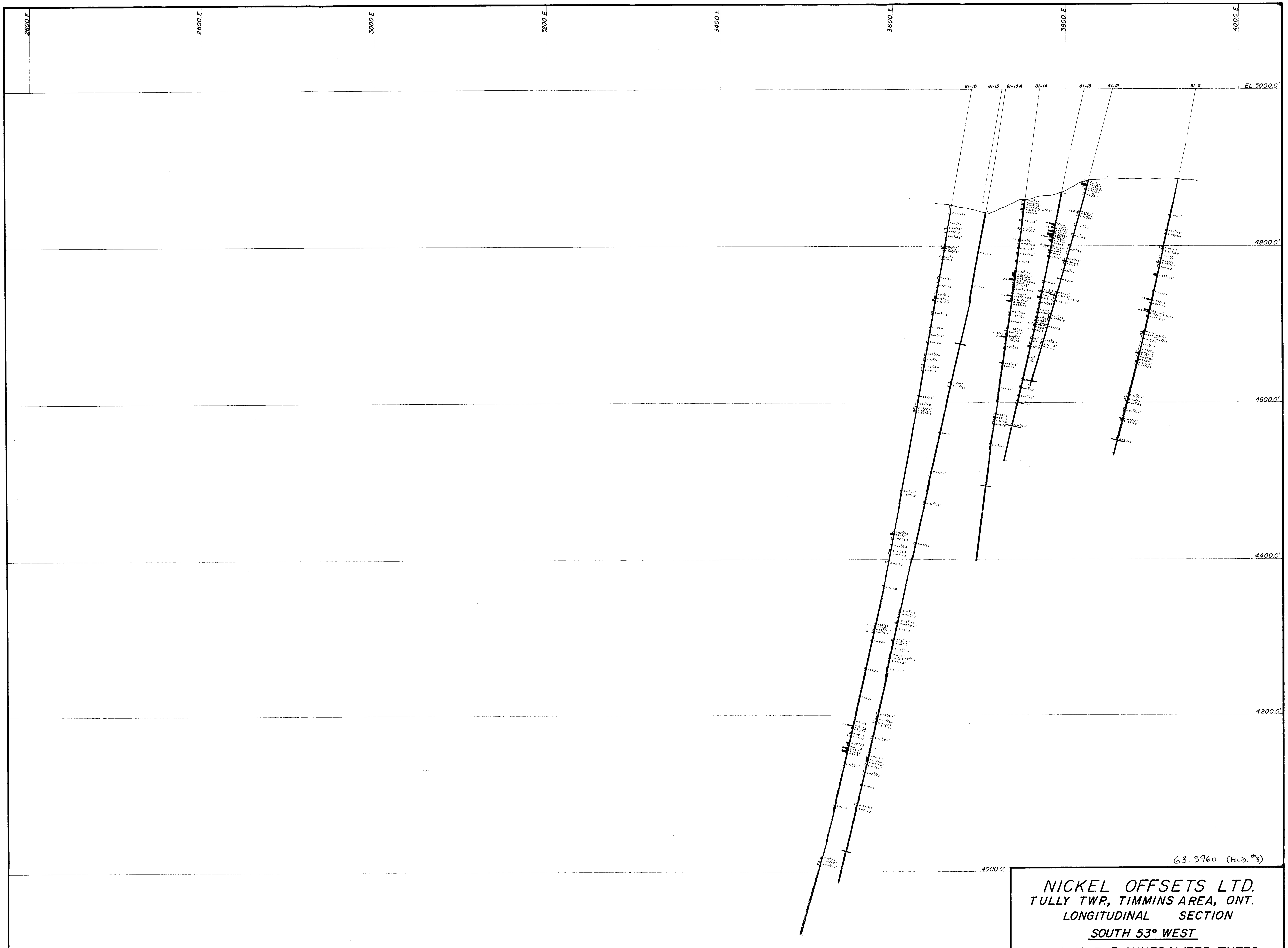
260



42A11NE0215 63.3960 TULLY

261

305



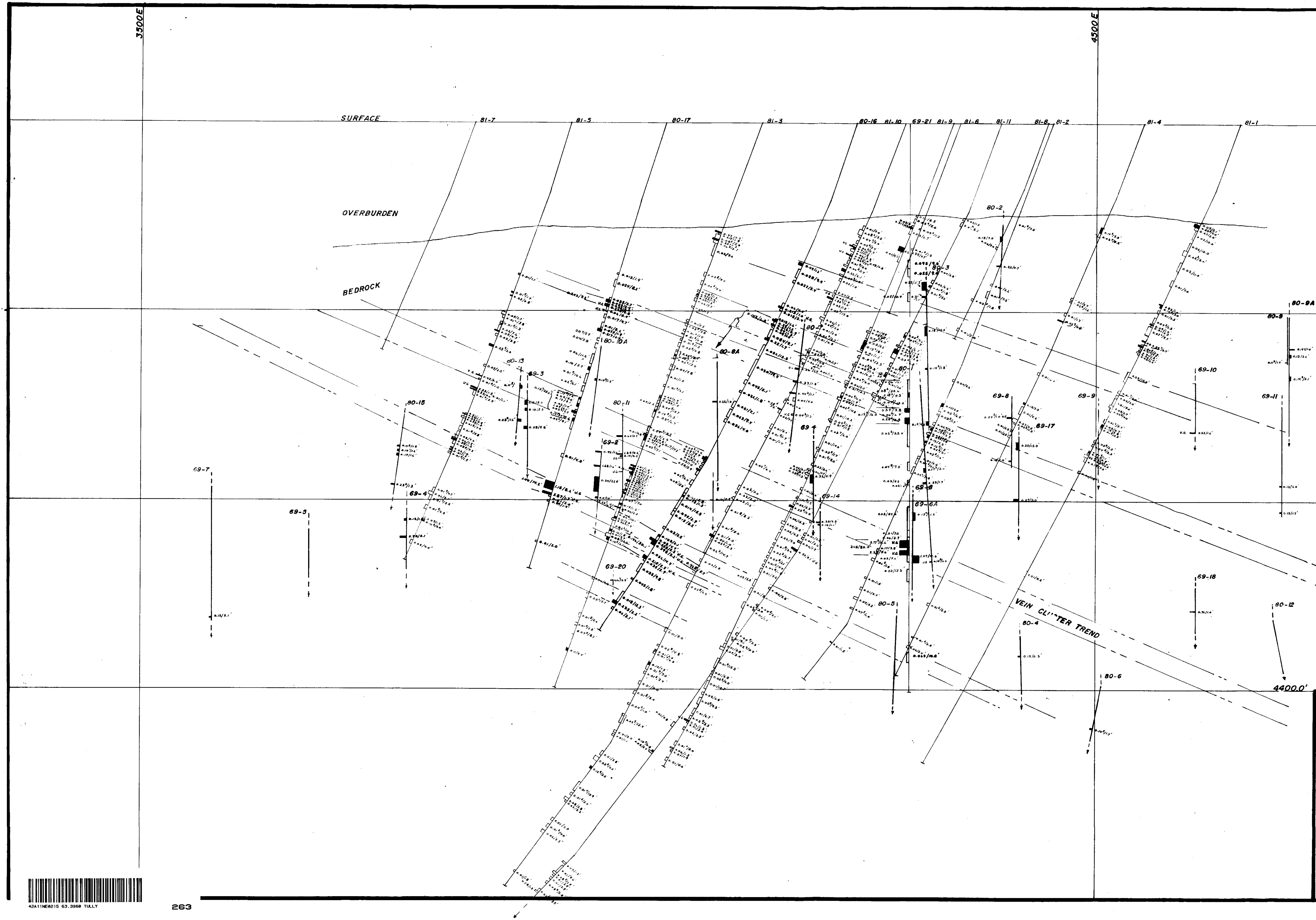
63.3960 (FOLD. #3)

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.
LONGITUDINAL SECTION
SOUTH 53° WEST
ALONG THE MINERALIZED TUFFS
WEST BLOCK
LOOKING NORTH
SCALE : 1" = 50'

Dec 7/81

262

42A11NE8215 63.3960 TULLY



63. 3960 (FOLD. #3)

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

-

LONGITUDINAL SECTION
ALONG THE MINERALIZED TUFFS

LOOKING NORTH

SCALE: 1" = 50'

OCT. 1980

DWN. BY J.C.
APPR. C.J.K.

REGISTERED PROFESSIONAL ENGINEER
J. KURYLIW
PROVINCE OF ONTARIO

455

263

42A11NE0215 63.3960 TULLY

NICKEL OFFSETS LIMITED

Tully Township

ORE RESERVE CALCULATIONS

Of Possible Ore From Surface Diamond Drilling

Summary - Dec. 7, 1981 C.J. Kuryliw

Zone	(Ft) Length	Corrected Average Width	Ounces Uncut	Ounces Cut	Tons	Grade Uncut	Grade Cut To 2 Ft-Oz. Au PerAssay
1	737	11.4	31,609	30,091	111,470	.283	.270
1A	215	5.2	1,869	1,869	15,838	.118	.118
2	732	12.6	20,577	13,646	133,856	.154	.102
2A	50	5.6	1,339	1,339	3,266	.410	.410
3	836	17.9	57,432	39,258	153,500	.374	.256
4	622	9.3	28,751	18,562	57,346	.501	.324
Intermed Zone Between 3 & 4	83	47.0	4,461	4,372	45,504	.098	.096
Deep Zone (B)	66	42.1	4,276	3,091	20,075	.213	.154
TOTALS			150,315	112,230	540,855	.278	.207

Total Tons @ 20 % Dilution Factor = 109,145 Tons

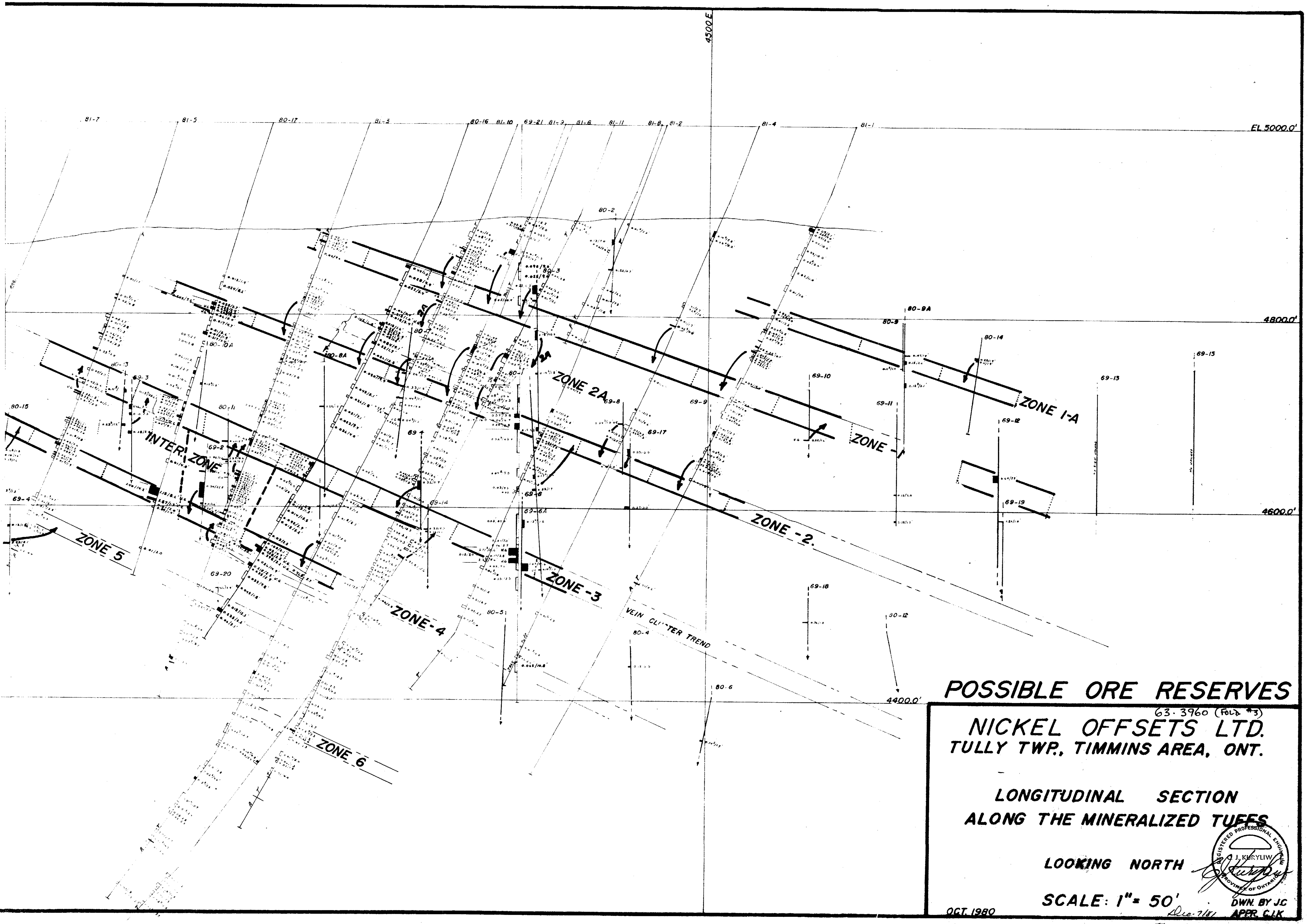
Total Possible Ore Reserves = 650,000 Tons @ 0.23 Ounce Gold per Ton(uncut)

Or @ 0.17 Ounce Gold per Ton(Cut)

Cut to 2 Ft. Oz. Au/Assay

C. J. KURYLIW
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

CJ Kuryliw



POSSIBLE ORE RESERVES

63.3960 (Fold #3)

NICKEL OFFSETS LTD.

TULLY TWP., TIMMINS AREA, ONT.

LONGITUDINAL SECTION

ALONG THE MINERALIZED TUFFS

LOOKING NORTH

SCALE: 1" = 50'

OCT. 1980

Dec. 7/81

DWN. BY J.C.

APPR. C.J.K.

J. KURYLIW
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

45E WITH ZONES

NICKEL OFFSETS LIMITED

Tully Township

ORE RESERVE CALCULATIONS

Of Possible Ore From Surface Diamond Drilling

Summary - Dec. 7, 1981 C.J. Kuryliw

Zone	(Ft) Length	Corrected Average Width	Ounces Uncut	Ounces Cut	Tons	Grade Uncut	Grade Cut To 2 Ft-Oz. Au PerAssay
1	737	11.4	31,609	30,091	111,470	.283	.270
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2	732	12.6	20,577	13,646	133,856	.154	.102
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Or @ 0.17 Ounce Gold per Ton(Cut)

Cut to 2 Ft. Oz. Au/Assay

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW

POSSIBLE ORE RESERVES

63.3960 (FOLD. #3)

NICKEL OFFSETS LTD.

TULLY TWP., TIMMINS AREA, ONT.

LONGITUDINAL SECTION

SOUTH 53° WEST

ALONG THE MINERALIZED TUFFS

WEST BLOCK

LOOKING NORTH

SCALE : 1" = 50'

REGISTERED PROFESSIONAL ENGINEER
C. J. KURYLIW
PROVINCE OF ONTARIO

Dec. 7/81

42A11NE0215 63.3960 TULLY

265

63.3960 Fold #3

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

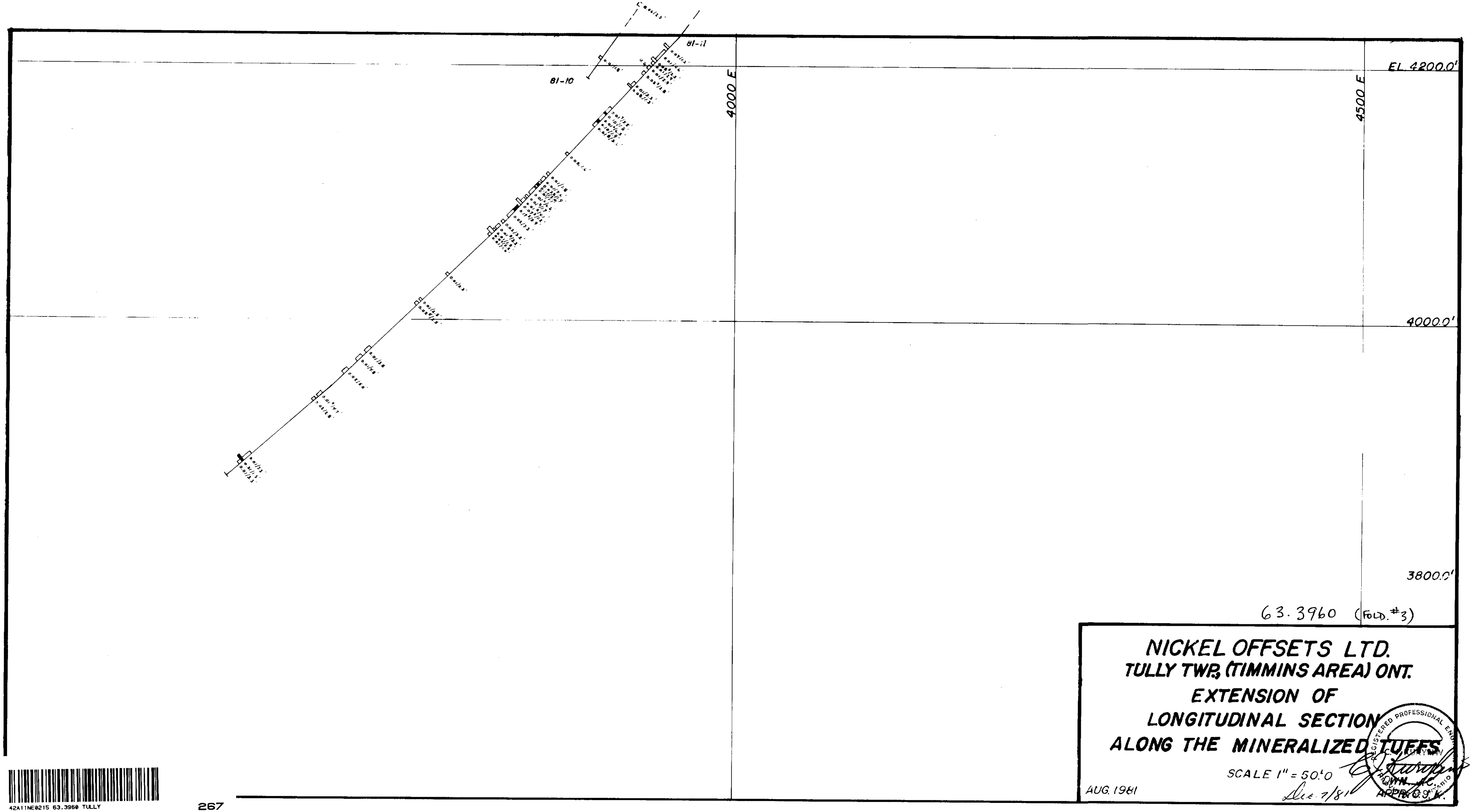
PLAN OF SURFACE D. DRILLING

SCALE: 1" = 50'

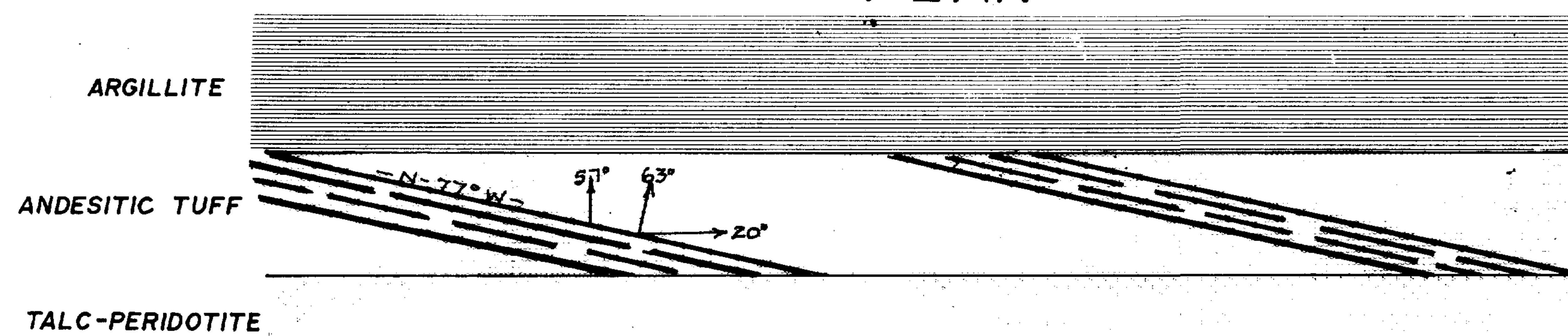
Dec. 7/81

50E

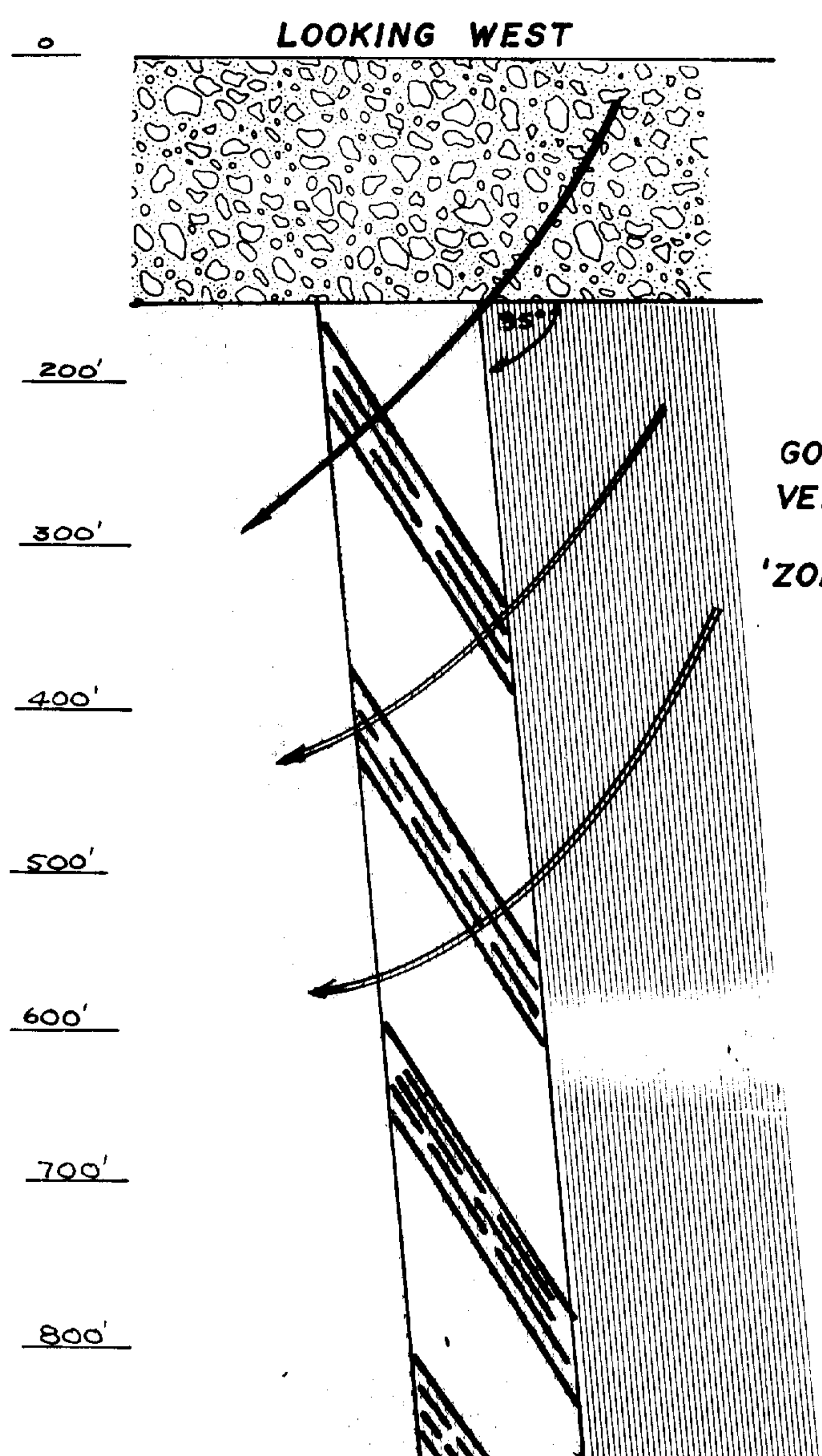
266

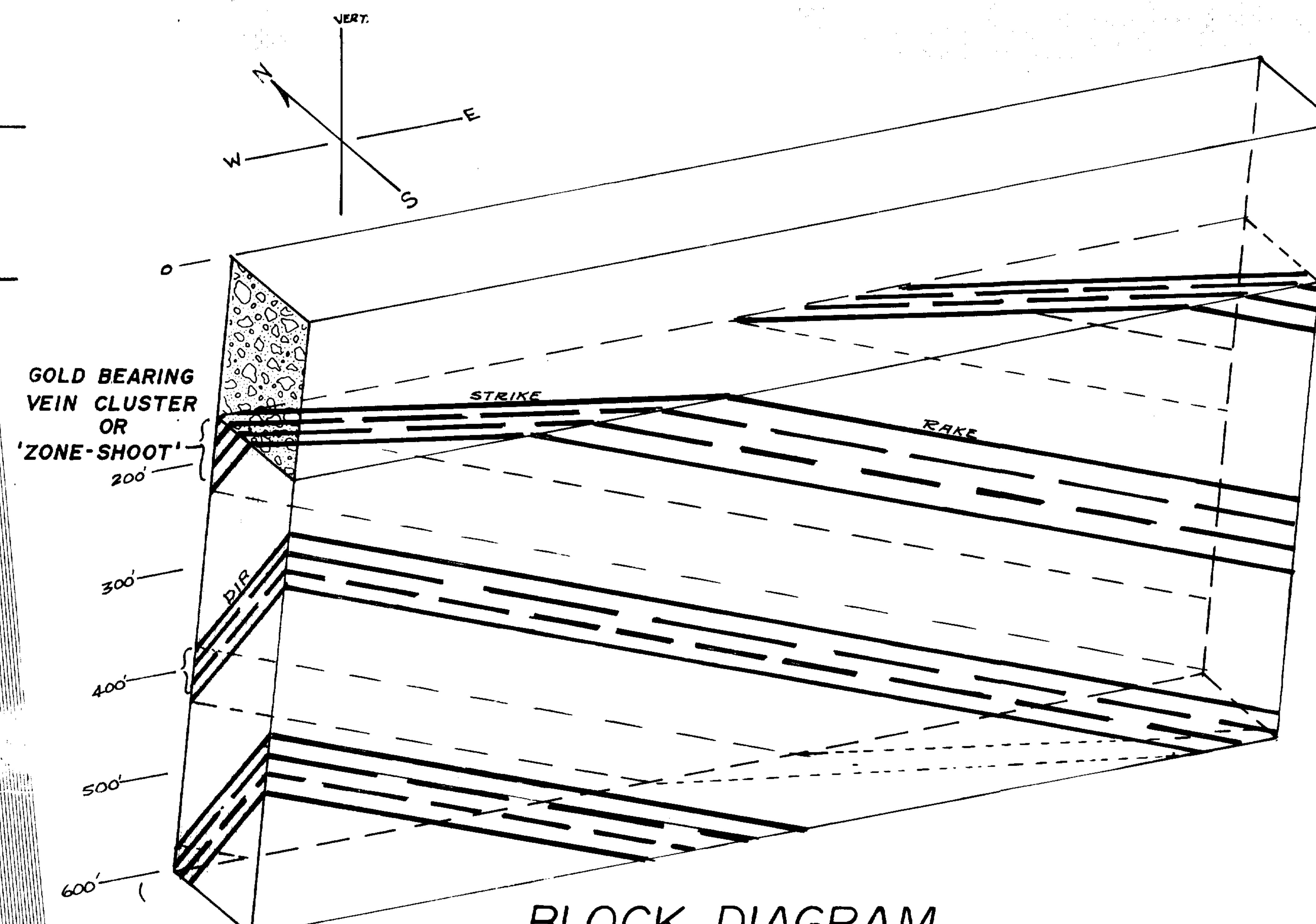

81-10
81-11
4000 E
4500 E
EL. 4200.0'
4000.0'
3800.0'
63.3960 (FOLD. #3)
NICKEL OFFSETS LTD.
TULLY TWP, (TIMMINS AREA) ONT.
EXTENSION OF
LONGITUDINAL SECTION
ALONG THE MINERALIZED TUFFS
SCALE 1" = 50.'0
AUG. 1981
Dec. 7/81
REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

PLAN



VERT. SECTION





BLOCK DIAGRAM

NICKEL OFFSETS LTD.
TULLY TWP. ONT.
IDEALIZED ILLUSTRATIONS of GOLD STRUCTURES

SCALE: 1" = 100'

63.3960
(FOLD. #3)

REGISTERED PROFESSIONAL ENGINEER
G. A. KUZYLIW
PROVINCE OF ONTARIO

Mar. 31/81

GEOLOGY AS CONSTRUCTED AT THE -160' LEVEL - NO OUTCROP VISIBLE.

NICKEL OFFSETS LIMITED
TULLY TOWNSHIP, TIMMINS, ONT
PLAN OF DRILL-HOLE LOCATIONS
1981 PROGRAM

63.3960
FOLDER #4
1" : 50'

269

NICKEL OFFSETS LTD.
TULLY TWP., TIMMINS AREA, ONT.

PLAN
OF
SURFACE D. DRILLING

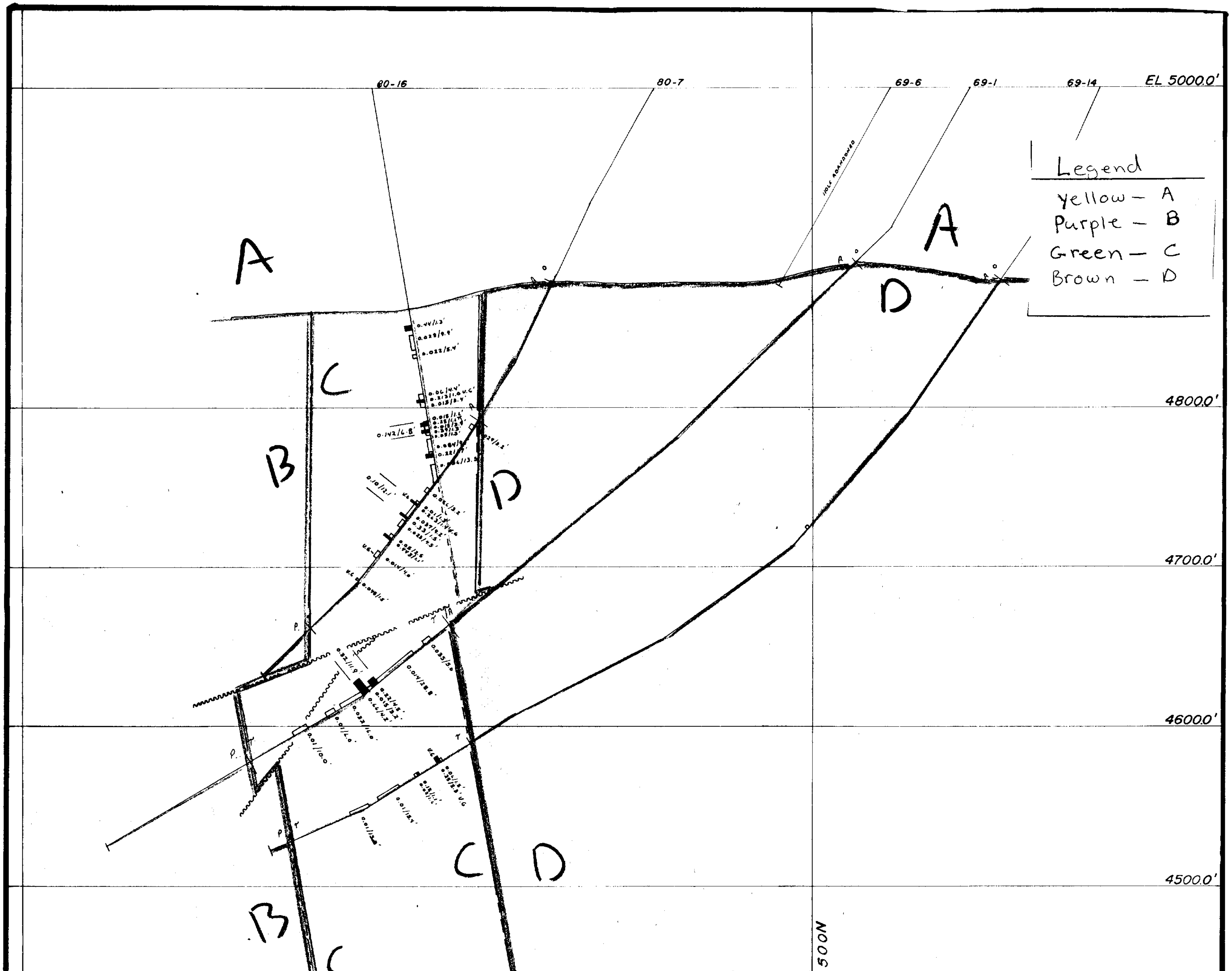
63.3960
FOLDER # 4

SCALE: 1" = 50'

OM69-PEG5-C-81

270

42A11NE0215 63.3960 TULLY



63.3960 (Fold. #1)

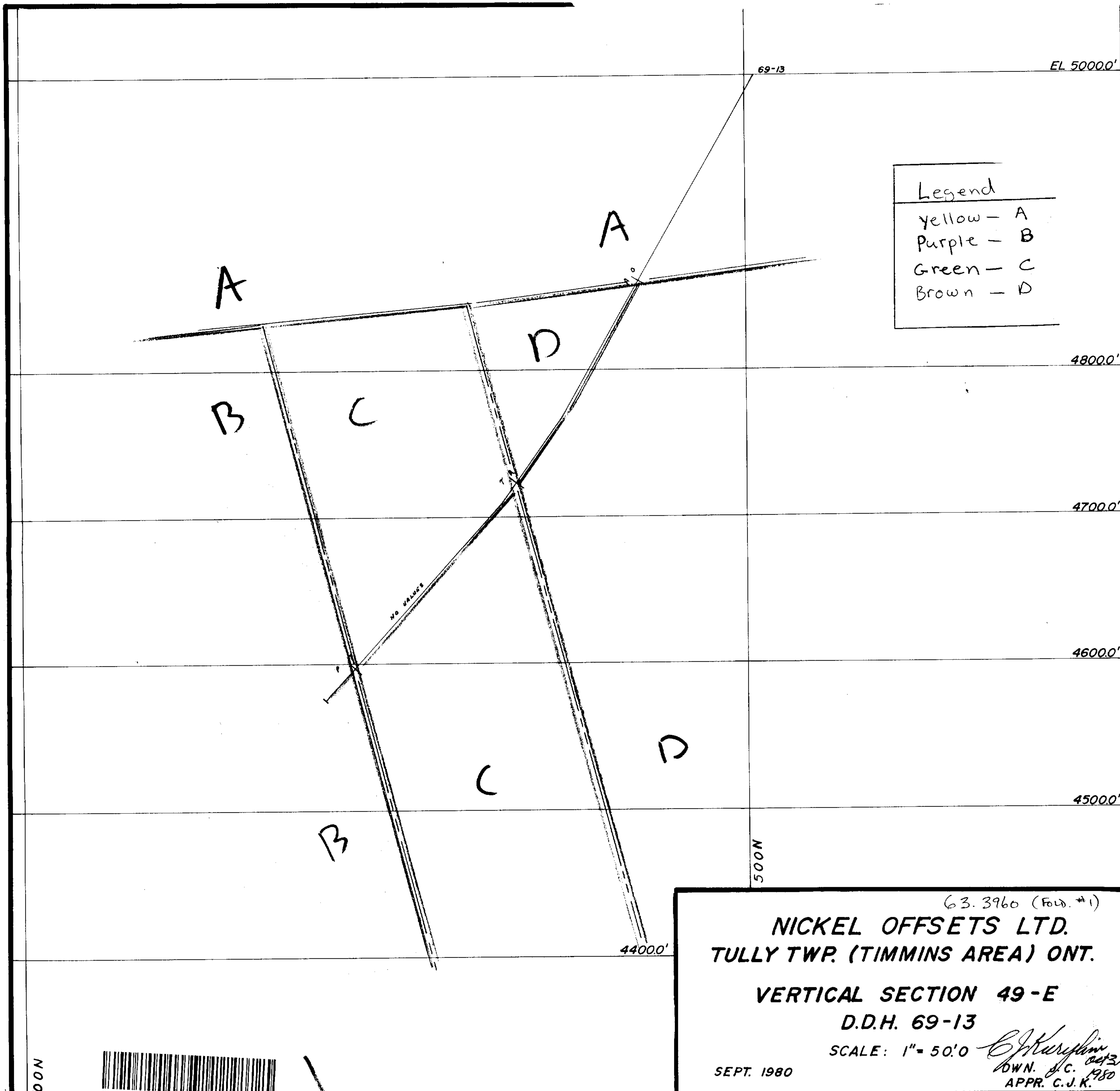
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 42-E
D.D.H. 69-1, 69-6, 69-14, 80-7

SCALE: 1" = 50'0

SEPT. 1980

DWN. J.C.
APPR. C.J.K.
Oct 31 1980



63.3960 (FOLD. #1)

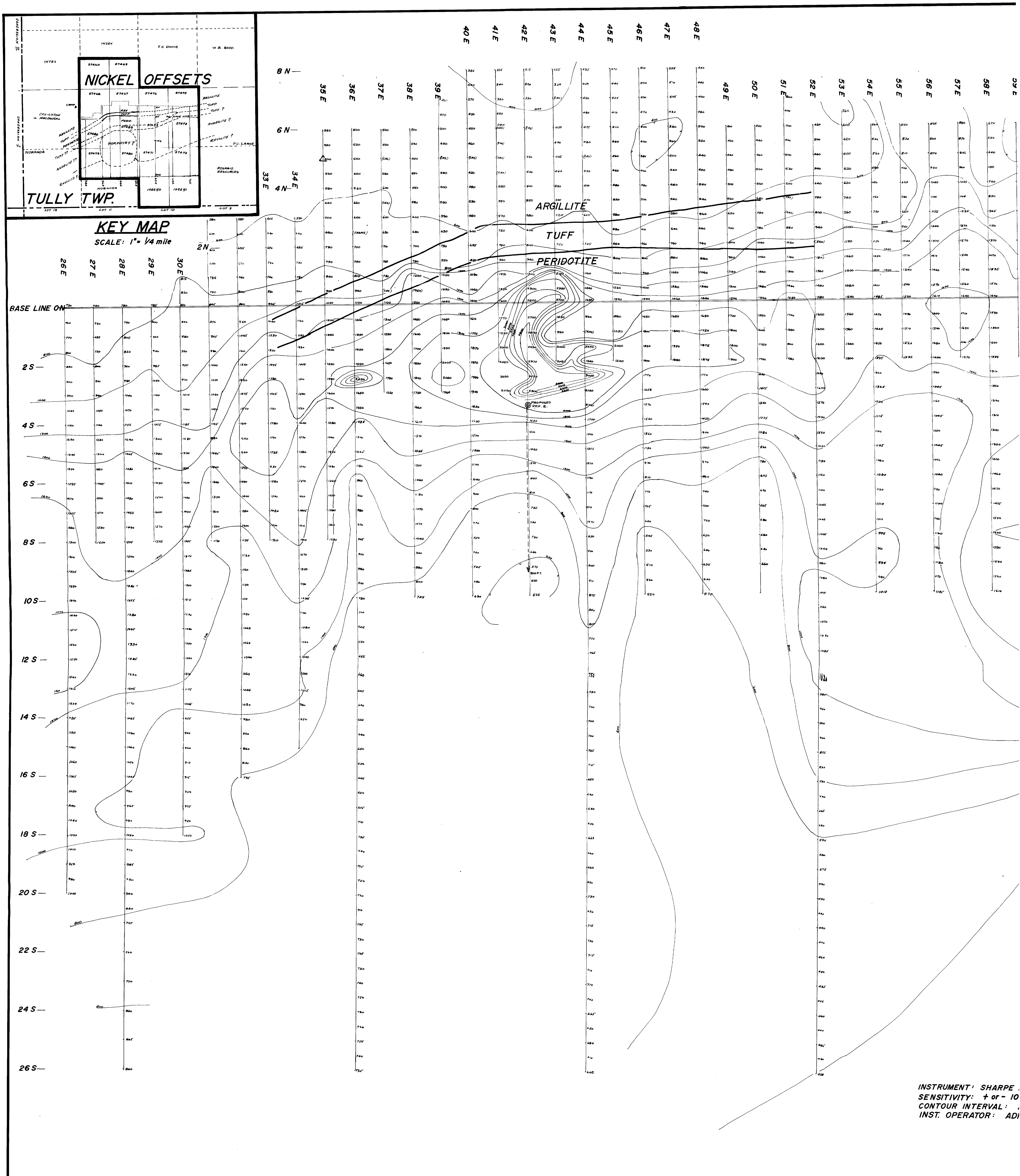
NICKEL OFFSETS LTD.
TULLY TWP. (TIMMINS AREA) ONT.

VERTICAL SECTION 49-E
D.D.H. 69-13

SCALE: 1" = 50.0

SEPT. 1980

DWN. J.C.
APPR. C.J.K.
Oct 3/1980


NICKEL OFFSETS
TULLY TWP.
NORANDA
ROSARIO RESOURCES
KEY MAP
SCALE: 1" = 1/4 mile
ARGILLITE
TUFF
PERIDOTITE
BASE LINE O N
PROPOSED DDH. 2
INSTRUMENT: SHARPE
SENSITIVITY: + or - 10
CONTOUR INTERVAL:
INST. OPERATOR: ADI

223