

41P125W0002 63.4370 ST. LOUIS

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REPORT ON

MURGOLD RESOURCES INC.

PROPERTY

CHESTER, BENNEWEIS AND ST. LOUIS TOWNSHIPS

PORCUPINE MINING DIVISION ONTARIO

November 1983

6183 N 6 218

Prepared by

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SUMM, RY

Murgold Resources lnc. holds a group of 296 contiquous clairs in Chester, Benneweis and St. Louis Townships, Porcupine Mining Divi: ion of Ontario. This property lies 10 miles southwest of Gogama, Onta: io.

Fairly extensive field investigations including underground development, diamond drilling and trenching have been carried out intermittently by various interests since 1931.

Gold, the only mineral of economic interest yet found on the property, occurs associated with narrow quartz veins and stringers which occupy portions of narrow, long, through-going shear fracture zone: which traverse the property.

From 1979 on Murgold Resources Ltd. has undertaken an expletation programme over this claim group. These investigations include geological mapping, extensive stripping, trenching, geophysical surveys, diamond drilling and the taking of a 656 ton underground bulk sample. The weighted average of this bulk sample is reportedly 0.34 oz. Au/ton.

Of the 8 shear zone structures seen by the writer, 2 in part::ular have indicated by diamond drilling and/or trenching interesting values in gold. These areas of considered interest are the central and western portion of the No. 3 zone and the eastern extension of the No. 1 zone.

A diamond drill programme of approximately 8,500 ft. is here: 1 recommended to further investigate these zones of interest. In

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addition a moderate scale geochemical survey over some of the VLF-EM indicated conductors is also recommended.

The estimated cost of these recommended programmes is \$300,000.

INTR( )UCTION

Hill, Goettler, De Laporte Limited was retained by Murgold Resources Inc. to undertake a review of their gold prospect located in Chester, Benneweis and St. Louis Townships, Porcupine Mining Division, Ontar .o.

The data reviewed as a base for this study is listed in Apper lix "B". Hill, Goettler, De Laporte Limited accepted the material submitted as factual, excepting some discrepancies in the location of some old diamond drill holes. A short field examination was made of the various showings on October 20th, 1983 by N. Firth in the company of D. Hoy, Murgold's field geologist.

This report covers the results of the review undertaken.

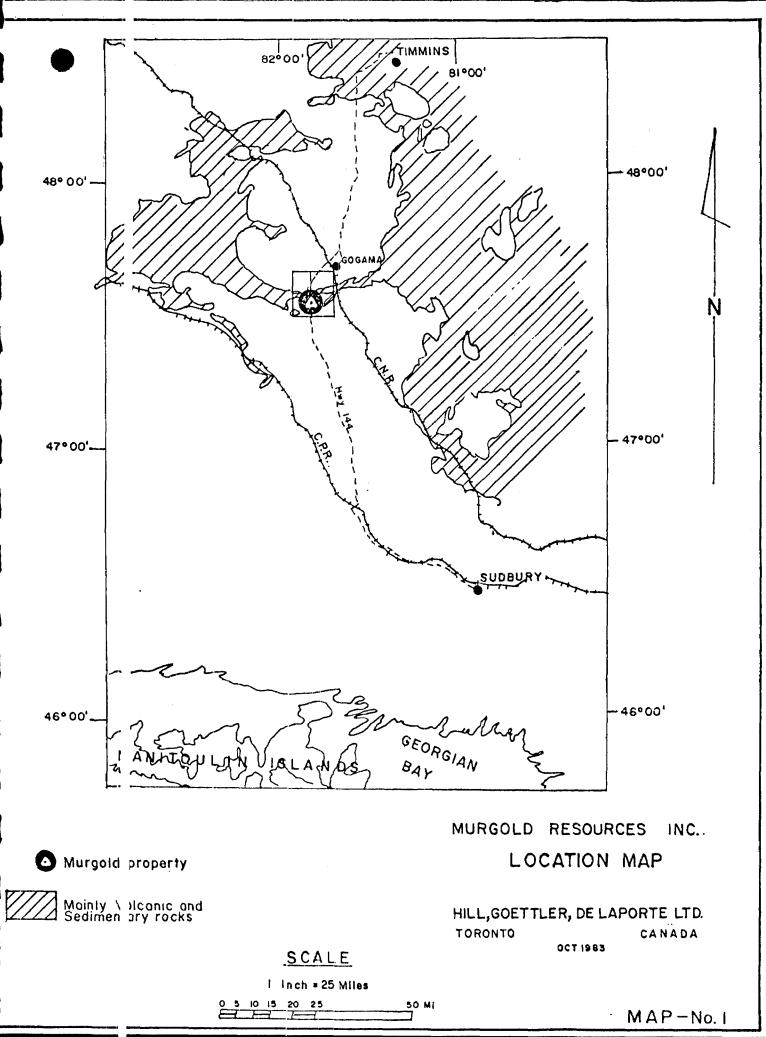
PROPE IY

Locat: on and Access (Map 1)

The property is located in Chester, Benneweis and St. Louis Townslips, Porcupine Mining Division, Ontario. More specifically the claim: are approximately centred at 47°33'N, 81°51'E (N.T.S. 41-P-12) some 0 miles southwest of the town of Gogama, Ontario.

Access to the property is very good as Highway 144, a paved, 2 lan road between Sudbury and Timmins, bisects the claims. To reach the M rgold Resources camp one drives 6.6 miles past the junction of Highw ys 144 and 560 to the Mesomikenda Lake road. Turning left it is 1.2 m les along this good gravel road to the turn off for the camp. One t en goes for 1.9 miles over a rough bush road to the camp site on paten ed claims \$20009.

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Claim

The property reportedly consists of 296 claims in a contiguous block.

These claims are as follows.

CLAIM NO.	NO. OF CLAIMS	TOWNSHI P		
S199 2 (patented)	1	Chester		
S200 9 (patented)	1	Chester		
S121 94 (lease)	1	Chester		
P471 52-471958 inclusive	7	Chester		
P473 67-473746 inclusive	80	Chester & Benneweis		
P515 48-515059 inclusive	12	Chester		
P515 28-515330 inclusive	3	Chester		
P515 35-515336 inclusive	2	Chester		
P538 55-538059 inclusive	5	Chester		
P538 82	1	Chester		
P538 85-538089 inclusive	5	Chester		
P539 05-539129 inclusive	25	Chester & Benneweis		
P539 36539155 inclusive	20	Benneweis		
P539 79-539298 inclusive	20 🖉	Benneweis		
P539 08-539328 inclusive	21	Benneweis		
P538 23-538525 inclusive	3	Benneweis		
P539 04539421 inclusive	18	Benneweis		
P539 81-539183 inclusive	3	St. Louis		
P507 67-507669 inclusive	3	St. Louis		
P528 80	1	Chester		
P543 18-543824 inclusive	7	Chester		
P543 27	1	Chester		
P543 93-543996 inclusive	4	Chester		
P548 92	1	Chester		
P546 80-547000 inclusive	21	Chester		
P549 01-549019 inclusive	19	Chester		
P549 08-549117 inclusive	10	Chester		
P549 94	1	Chester		
TOTAL	296			

Titles and rights of these claims were not verified by the write with the Mining Recorder in Timmins.

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Topo; caphy, Climate and Local Resources

The area is relatively high  $(\pm 1,300 \text{ ft. above sea level})$ being near the height-of-land between James Bay and the Great Lakes. The opography of the area is typical of the Canadian shield peneplair, that is the land surface consists of rolling hills and ridges which, with minor exceptions rise not more than 100 ft. or so. The area under consideration is forested with a fairly dense growth of spruce, jack pine, balsam, birch and poplar.

The climate is characteristic of Northern Ontario, with long cold vinters (up to  $-40^{\circ}$ C) and short summers (±30°C). Heavy snow is commc t in the winter.

There is no sign of logging taking place in the immediate area, with the only resource being hunting and fishing.

### HISTC Y OF PREVIOUS WORK

Gold was first discovered in Chester Township in 1930 on the east shore of Three Duck Lakes. This discovery led to more intensive search in 1931 which located other gold bearing quartz veins, chiefly in the environs of Three Duck Lakes and Clam Lake.

Since then in Chester Township 6 prospects and 11 occurrence; of gold have been found and briefly reported on (Mineral Deposit Circular 18). Three of the prospects are located within the Murgeld claim group, these being the Kingbridge (Gomak), Strathmore, and eaverbridge prospects. There are no known gold showings in Benne reis or St. Louis Townships.

Since the initial discoveries there have been fairly extensive, though cyclic, investigations carried out within the claim group area. This work was principally in 3 areas, the Kingbridge (Gomak) which relates to the Murgold No. 1 zone, the Strathmore which relates to th: east end of the Murgold No. 3 zone, and at the west end of the No. 5 zone.

In essence the first work was undertaken in the 1930's by Gomac: Mines Ltd. on the No. 1 zone and by Strathy Basin Mines Limited on tl  $\ge$  No. 3 zone. From 1932 through 1938 Gomack M.L. did extensive diamend drilling, trenching and sank a 65° inclined shaft to a depth of 8 ft., from which 215 ft. of drifting was done on the 65 ft. level. Some 98 oz. of gold from 1,387 tons of ore was apparently produced at this time. In the same period of time Strathy Basin Mines Ltd. carried out exploration at the east end of the No. 3 zone. In 1937 a 116 ft. inclined shaft was sunk to the 100 ft. level and 286 it. of development work was carried out. Channel sampling on this level returned the following uncut values; for 95 ft. east of the shaft 0.30 oz. Au/ton over an average width of 3.13 ft., and for 120 ft. w st of the shaft 0.89 oz. Au/ton over an average width of 2.6 ft.

The next known investigations were carried out by Chesgo Mines Limited from 1945 through 1948. This work was apparently mainly diame d drilling of which 8,000 ft. was completed along with some stripping and trenching. Of this drilling 3 holes totalling 512 ft. were it the Strathmore portion of the No. 3 zone and 16 holes totalling 4,785 ft. were at the west end of the No. 3 zone. It is not known for sure where the rest of the drilling was undertaken, though likel at the Gomack (No. 1 zone) location. The logs for these drill holes are very brief and there appears to be little correlation between the sampling and the rock descriptions given. Murgold Resources Ltd. found and surveyed in 3 of the Chesgo drill holes so that the locations can now be plotted more accurately than has been the case when the initial maps and sections were made.

In 1963 the Icon Syndicate (Kerr Addison Mines Ltd., Newmont Minir; Corp., Gunnar Mines and Rayrock Mines) optioned the Strathmore showing (Rinaldi Option) and completed 4 diamond drill holes totalling 1,24( ft. at this location. The results obtained from their assaying were very low.

From 1970 through 1975 Kingbridge Mines Ltd. in conjunction with Olympian International Resources carried out an exploration programme which included geophysical surveys, bulk sampling, and diamend drilling. This work was apparently concentrated on the central portion of the No. 1 zone and the west end of the No. 3 zone. From 1979 to the present, Murgold Resources Inc. has carried out a fairly extensive exploration programme. This includes bulldozer strip ing of large areas, trenching, diamond drilling, VLF-EM surveys, soil eochemistry and geological mapping.

## GENERAL GEOLOGY (Map 2)

The area under review is at the eastern extension of the Swaze-Ridout greenstone belt. This belt has been cut off in part by an i trusion of granite to diorite composition which occupies the great is part of Benneweis and a large part of central Chester Townships

The northern fringe of the claim group is underlain by a thin band of east-west striking metasediments, principally greywacke in composition with some minor conglomerate sections. A second, small zone of metasediments lies around Benneweis Lake.

There is only minor Keewatin type basic volcanics within the gener 1 claim area, this consisting of a mile and a half long area, strad ling the Chester-Benneweis boundary south-west of Benneweis Lake.

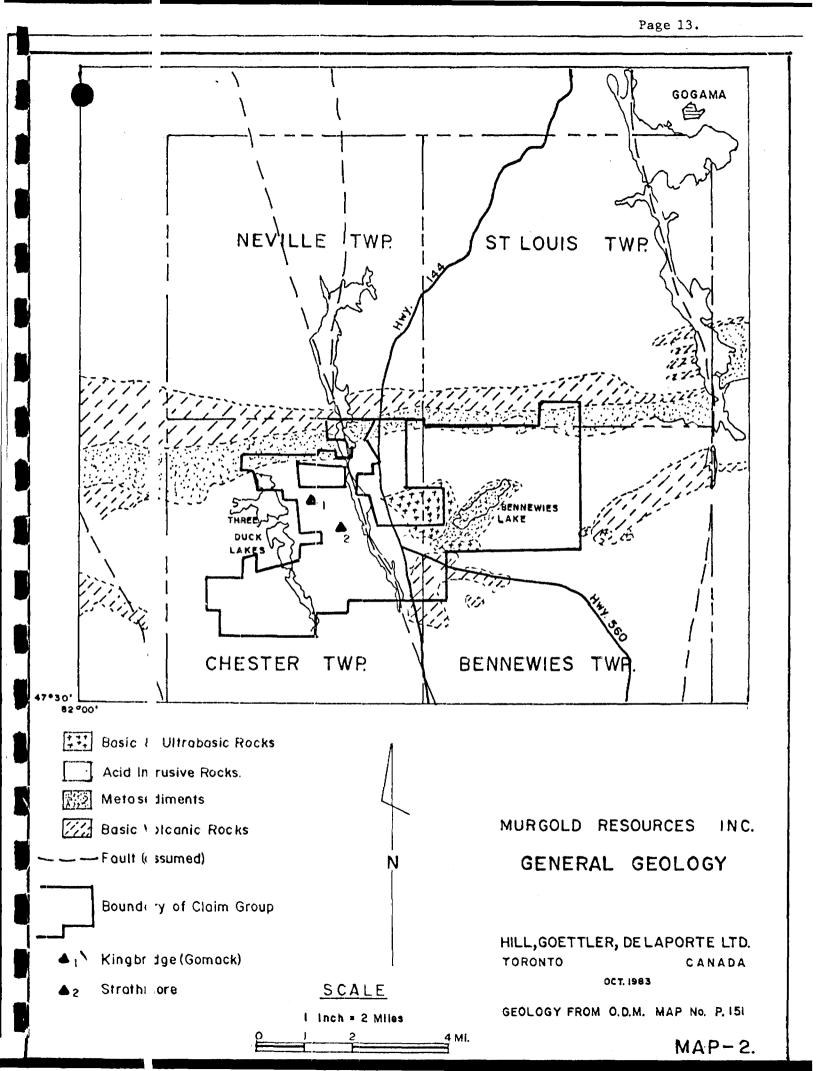
The majority of the claims are underlain by what Laird in his 1 port calls the "Younger Granite". This intrusive has a number of va iations ranging from alaskite granite, granodiorite and diorite. As La rd states "field observations seem to indicate that the granodiori e, granite and alaskite are contemporaneous, and that they repre ent differentiation phases of the same granite magma". All of the a ove rock types are cut by Keeweenawan diabase dikes.

Gold is the principal economic mineral found in the area to date. The main showings of gold occur within the granitic intrusive. The g ld occurs in its native state in narrow quartz veins associated with arrow, throughgoing shear zones. The majority of the fractures strik in a direction a few degrees south of east and in general they



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show regional parallelism. Though the shears appear to be persistent n length the quartz veining is erratic along strike, pinching and s elling and in part is completely absent. Pyrite and chalcopyrit are the common accessory mineralization.



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ECONC IIC GEOLOGY

Gold is the only mineral of economic importance as yet found on the Murgold property, though copper mineralization is often present as an accessory mineral in the various showings. The gold occurs in or near narrow quartz veins and stringers, which occupy portions of long, through-going shear-fracture zones. These shears are not uniform along strike as they pinch and swell, increase and decrease in intersity and in places die out entirely. The most common strike direction for these shears is  $110^{\circ}-290^{\circ}$ . The quartz veining associatel with these shears is also quite erratic in distribution, forming more of a stockwork than one long vein. As such the writer would call these shears and their accompanying quartz veining zones rathet than veins. In all 9 separate zones were seen during the trip to the property, the most important of which are considered to be the No. ( and the No. 1 zones.

A synopsis of these investigations is as follows:

# No. : Shear Zone:

This zone consists of 2 to 3 narrow parallel silicified shea: zones containing gold bearing quartz veins which vary in width from a few inches to several feet as they pinch and swell along strile.

The zone has been traced for some 2,800 ft. along strike by mean of surface sampling, underground investigations and diamond driling. As per earlier reports, this zone can essentially be divided into 3 portions, an eastern, central and western part.

The eastern portion was investigated previously underground (old Strathmore) and by diamond drilling. In all 21 diamond drill holes, 7 by Murgold and 14 by other interests are located in this section of the shear. Assays obtained by drilling are with few exceptions quite low or negligible although the vein-shear zone is identifiably. In 1937 an inclined shaft was sunk to 116 ft. with 286 ft. of development being done on the 100 ft. level. Channel sampling on the 100 t. level by Strathmore Gold Mines Ltd. returned the following uncut values; for a length of 95 ft. east of the shaft 0.30 )z. Au/ton over an average width of 3.13 ft. and for a length of 120 . t. west of the shaft 0.89 oz. Au/ton over an average width of 2.6 1:.

Murgold dewatered these workings in 1981 and chip sampled the ack. This sampling, over an average 3 ft. width, gave uncut values of 0.18 oz. Au/ton for a 100 ft. section east of the shaft and 1.03 oz. Au/ton for a 100 ft. section west of the shaft. When a cut to 1 ) oz. Au/ton was made the average in the west drift was reduced to 0.38 oz. Au/ton. Subsequent to this sampling Murgold extended the level for 100 ft. to the east and west. Channel sampling of shear zone flong these extensions apparently returned low values in gold.

Murgold then proceeded to take a 656 ton bulk sample from a stope developed in the better grade portion of the west drift, which sample reportedly average 0.34 oz. Au/ton. Chip channel (44) samples taker from the back of this stope over a 3.55 ft. average width averaged 0.69 oz. Au/ton uncut and 0.58 oz. Au/ton cut.

The old trench located just west of the shaft is now extensively filled with debris so no examination could be made. No addit.onal investigations are recommended at this time for this locat.on.

The central portion of the vein system has been investigated by sirface diamond drilling only, as there are no surface exposures due to overburden. All of the 18 drill holes in this 1,400 ft. long section were drilled by Murgold. The shear-vein structure is readily disce mable through this section. Over a strike length of ±500 ft. 9 drill holes returned appreciable values in gold over fairly narrow width;, these being:

Hole No.	Uncut	Width		
	Oz. Au/Ton	<u>(Ft.)</u>		
N 10	0.554	10.0		
M-13	0.554	10.0		
M-14	0.002	6.0		
M-33	1.176	1.0		
M-31	0.387	1.0		
M-32	2.83	2.5		
M-10	2.06	0.5		
	0.192	1.25		
M-11	1.49	1.5		
M-16	4.08	1.2		
M8	0.106	1.5		

These drill results are the most consistent of any drilling under aken at the property, and therefore this section of the zone is consi ered as being the most promising from an exploration point of view.

Ten diamond drill holes, totalling 2,640 ft. have been recommended by the writer to further test this area to a depth of  $\pm 300$  t.

The third part of the No. 3 zone, the western portion, is indi ated over a length of 800 ft. It has been investigated by tren hing and by 22 diamond drill holes, all of which were drilled prev bus to Murgold Resources Inc. acquiring the property. The two trencies known as the West Watts and East Watts were sampled by Murgeld, with the West Watts trench indicating a zone of 133 ft. lengi averaging 0.49 oz. Au/ton over an average with of 3.2 ft. and the list Watts trench giving 0.203 oz. Au/ton for an average width of 3.03 over a length of 80 ft. Samples taken by Murgold from two pits sunk between the Watts West and East pits reportedly assayed 1.74 and 2.44  $\nu z$ . Au/ton over 2 ft. The central parts of these 2 trenches were inaccessible to the writer due to water from recent rains. At both ends of the trenching the shear with the associated quartz veining narrc's down and dies out. There is however an indicated strike lengt of 250 ft. at this locale.

Twenty-two diamond drill holes are located in the west end of th zone, 16 were by Chesgo (1947), 1 by Kingbridge (1970) and 5 by Olymp an (1975). Of these only 7 are in the immediate area of the trenc ing. As Murgold Resources Inc. has found and surveyed in 3 of the C esgo holes and 1 of the Olympian holes, the location of the other can be placed approximately. The logs of the Chesgo Mines Ltd. diamo: 1 drilling are very basic and lacking in detail, and it would appea: that intercepts of interest were not sampled in their entirety.

In 1974 Olympian International Resources forwarded 2 bulk samples to Noranda Mines Limited for testing. These samples from veins 3 and 3A comprising 46.74 tons and 48.92 tons returned 0.172 and 0.30 c:. Au/ton respectively from estimated widths of 6 to 10 ft. Eight diamond drill holes totalling 1,520 ft. have been recormended by the writer to further investigate this showing. Three of these holes will be advanced far enough to cross-section the trend of the parallel No. 4 zone (vein).

## No. 1 Shear Zone

This zone, formerly known as the Kingbridge or Gomack showing, has now been traced over a strike length of 2,500 ft. In the central area of this zone, Gomack Mines Ltd. in 1935-1936 developed an 85 f. deep inclined shaft with 215 ft. of drifting at the 65 ft. level It is reported that 1,387 tons of ore returned 98 oz. of gold (0.07 oz./ton). A considerable amount of diamond drilling was apparently done by Gomack Mines Ltd. and Chesgo Mines Ltd. in the vicinity of tle shaft but the results of this drilling are not known to the write '.

In a 200 ft. long trench, now filled with debris and water, exterling west from the shaft, Jones ?? in 1939 averaged 2.04 vz. Au/ton uncut over an average width of 1.4 ft., while Murgold Resources Inc. in 1983 averaged 0.47 oz./ton Au uncut over an average width of 2.8 ft.

In an 80 ft. trench 800 ft. east of the shaft Murgold reports the following assays:

Width	Assay
6.0 ft.	0.27
6.0 ft.	1.03
2.0 ft.	0.074
0.7 ft.	1.42
4.0 ft.	0.002

Drill hole M-18 was drilled under this trench and encountered a 6 ft. section that returned 0.146 oz. Au/ton.

Two hundred and eighty ft. further east a 50 ft. trench has been leveloped on a shear containing quartz, pyrite and chalcopyrite. Sampling results here were 0.066 oz. Au/ton over 1.5 ft. and 0.547 oz. Au/ton over 5.0 ft.

The shearing observed in these two trenches is of moderate intersity, with the quartz veining forming approximately  $\pm 20\%$  of the zone.

Two trenches are located 900 ft. and 1,000 ft. west of the shaft. In the first of these trenches there is moderate shearing over a with of approximately 8 ft. The rock here is silicified and contains some pyrite and chalcopyrite throughout. There is only a small amount of quartz as thin veinlets here. Three separate grab samples assaying 0.204, 0.84 and 2.44 oz. Au/ton and one 8.0 ft. chip chantel sample of 0.119 oz. Au/ton was obtained by Murgold at this site.

The second trench is developed on a very weak shear only. A grab sample here reportedly returned 0.75 oz. Au/ton.

Twelve diamond drill holes totalling 1,880 ft. are being recormended by the writer to further evaluate the east end of this zone from 900E to 1600E on the secondary grid baseline. No. 2 Shear Zone:

This shear zone lies north of and parallel to the No. 3 zone. It has been opened by 4 trenches along strike, one just south of the new shaft collar, a second east near the location of diamond drill hole M-14, and 2 small pits just north of the road near survey pin '-G. It appears as a weak shear containing intermittent quartz stringers and lenses which are estimated to form ±10% of the zone. Grab samples taken along the zone are reported to have returned 0.02, 0.155, 0.005, 0.78 and 0.12 oz. Au/ton.

No investigations are recommended by the writer for this zone it this time.

## No. 4 Shear Zone:

This shear is parallel to and lies approximately 75 ft. south of the west end of the Watts trench. This not overly strong shear contains some irregular white glassy quartz veins. In all probability the Chesgo Mines Ltd. diamond drill holes Nos. 4, 6, 7 and 11 ditersected this trend, with the only assay of note being 0.24 Jz. Au/ton over 1.8 ft. from drill Hole No. 11.

Although this zone does not appear from indications to date to be too promising it is recommended that three of the diamond drill holes recommended for the west portion of Zone No. 3 be extended far enoug to cross this shear. No. | Shear Zone:

This shear lies to the west and on strike of the No. 3 shear. A large area, approximately 1,000 ft. by 100 ft. has been exposed by bulldozing. The shear, which can be followed along strike for ome 800 ft. varies in intensity from weak to moderate to nonexistent. It pinches and swells from less than 1 ft. wide to up to 5 ft. to width. The quartz veining is also quite erratic being seen in part: as minor stringers up to lenses 1 to 2 ft. in width and 5 to 10 ft. n length. There are some rusty, gossanous patches along this trenk caused by minor disseminated pyrite and chalcopyrite. A few small trenches have been developed along this shear.

No additional investigations are recommended for this shear at this time.

No. 15 Shear Zone

An area of approximately 500 ft. by 100 ft. has been exposed by bulldozing running north-east from No. 16 shear to the access road. No extensive shearing was seen in this area, rather there are a few near east-west striking, very weak fractures noted, that is, they cross the clearing rather than strike along it. The outcrops are light weathering intrusives with a few small slightly rusty patches on the surface. Two diamond drill holes M-39 and M-40 showed no significant mineralization. No further investigations are warranted at this location. No. . . Shear Zone

This 110° striking shear has been bulldozed clean along a length of approximately 800 ft. It lies north of and parallel to a diabate dike. This shear of moderate intensity at its west end but weaked ing to the east is approximately 2 to 3 ft. wide. As with the other shears seen the quartz veining associated with it is quite irregular and overall would form 10% to 15% of the zone. There is also a modest amount of pyrite and chalcopyrite associated with the shear. Four grab samples taken from small pits developed on its western end reportedly gave assay returns of 2.9, 3.30, 3.03 and 0.045 oz.  $\ell$  1/ton. Drill hole M-42 cross-cutting the shear in the vicinity of these assays returned 0.24 oz. Au/ton over a width of 0.5 ft.

Of note at this location is the presence of a persistent white quartz-carbonate vein 1 to 2 ft. in width lying approximately 20 ft north of and parallel to this shear. There is apparently no miner lization i.e., pyrite, chalcopyrite, associated with this vein. 1ts i tersection in the drill hole was not sampled.

No further investigations are recommended for this shear.

## No. 2 Shear Zone

This area consists of a number of weak to moderate parallel shear that form the eastward continuation of the adjoining Chester No. 2 zone of Kidd Resources Ltd. These shears have only very limited quart associated with them but are in part moderately mineralized by pyrit, chalcopyrite and pyrrhotite. The adjoining Chester No. 2 zone has been extensively investigated by diamond drilling, the results of which are not known to the writer.

No further investigations are recommended at this time.

Highv iy Shear

A moderately strong shear 3 to 5 ft. in width is exposed on both sides of a rock cut in Highway 144.

Within the shear is a 3 in. to 6 in. quartz vein with modest pyrit: and chalcopyrite mineralization. Assays of 0.20 and 0.76 vz. Au/ton have been obtained from this site.

No further investigations are recommended at this time for this location.

Beave bridge Prospect

This prospect is a copper showing located in the north-west portion of the claim group at Weeduck Lake. It has been extensively inves sigated by geophysics and diamond drilling. No consideration was given to this prospect during the course of the investigation.

## GEOPI /SICS

VLF-EM surveys were carried out over grids established at Nos. 1, 3, 20 and the highway shear. A number of conductors were indicated though in most instances they were not associated with the narror shear zones in question. Geochemical soil samples over these conductors gave negative results.

It is recommended that some geochemical tests using organic humus material as the medium be carried out over the better portion of these VLF-EM conductors.

CONCL ISIONS

From the review undertaken it appears that there are initially 2 zones, i.e., No. 3 and No. 1, that can be considered as interesting with regard to the possible development of viable gold deposits. As yet there is not enough available information for these two zones to base concrete opinions as to depth extensions, continuity of values, size etc. to warrant immediate underground investigations. The list method to acquire the additional data needed to further the evaluation is believed to be diamond drilling.

## RECOM IENDATIONS

It is herein recommended that a diamond drill programme of appreximately eighty-five hundred feet (8,500 ft.) be undertaken, broke down into the following:

- 1. Central portion Zone No. 3 10 holes totalling 2,640 ft.
- 2. lest portion Zone No. 3 8 holes totalling 1,520 ft.
- 3. last end Zone No. 1 12 holes totalling 1,880 ft.

For details of 1, 2, and 3 see Appendix "A".

In addition it is recommended that some geochemical tests using organic humus material as the medium be carried out over the trend of known gold bearing shears, and over the best of the VLF-EM indic ted conductors. For gold, this medium, being analysed by the neutr n activation technique, provides better data than does soil sampl ng of the B horizon.

#### Estimated Cost of Programme

Diamo d Drilling 8,540 ft. @ \$30/ft. Assay Repor , Maps, Sections	\$256,200 5,000 5,000
Geolo ist & Helper Geoch mical Sampling & Analysis	12,000
	288,200
Conti gencies	11,800
	\$300,000

# All of which is respectfully submitted.

HILL, GOETTLER, DE LAPORTE LIMITED

N. Firth

N. Firth, P.Eng.

Toror:o, Ontario Novem (er 1983

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#### CERTIFICATE OF QUALIFICATIONS

- 1, Norman Firth, hereby certify that:
- I am a Professional Engineer, registered as a Consulting Engineer with the Association of Professional Engineers of the Province of Intario.
- 2. [ reside at 274 Juniper Avenue, Burlington, Ontario, L7L 2T3.
- 3. E graduated from the University of Toronto in 1950 with the legree of Bachelor of Applied Science in Mining Geology.
- 4. I have been engaged in mineral exploration and mine development for more than twenty-five years.
- 5. The Murgold claim group was visited by N. Firth on October 19th and 20th, 1983.
- 6. The foregoing report was based on data supplied by Murgold Resources Inc., and various Ministry of Natural Resources of Ontario reports.
- 7. I have no personal interest, nor do I expect to receive any interests, directly or indirectly, in the property or the securities of Murgold Resources Inc.

Date: at Toronto this 1st day of November 1983.

N. Firth, P.Eng.



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# APPENDICES

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APPENDIX "A"

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# RECOMMENDED DIAMOND DRILLING

No.	Lat.	Dept.	Dip	Deptl Ft,
Cent ce Po	rtion Zone 3			
1	29355N	169660E	-45°	150
2	29390N	169750E	-45°	215
3	29390N	169750E	-65°	285
4	29350N	169900E	-60°	300
5	29350N	169900E	-75°	365
6	29300N	169955E	-45°	210
7	29300N 29300N	169955E	-62°	260
8			-75°	
	29300N	169955E		350
9	29285N	170045E	-45°	230
10	29285N	170045E	-60°	275
			Total	2,640
West Port	ion Zone 3			
1	29600N	168967E	-45°	210
2	29600N	168967E	-70°	210
3	29618N	168922E	-45°	130
4	29635N	168875E	-45°	210
5	29635N	168875E	-70°	210
6	29580N	169015E	-45°	130
7	29565N	169062E	-45°	210
8	29565N	169062E	-70°	210
			Total	1,520
East Port	ion Zone 1 (all S2	0°W)		
1	31060N	168240E	-45°	130
2	31060N	168240E	-70°	210
3	31090N	168145E	-45°	130
4	31120N	168050E	-45°	130
5	31120N	168050E	-70°	210
6	31155N	167960E	-45°	130
7	31185N /	167870E	-45°	130
8	31185N (	167870E	-70°	210
9	31220N	167775E	-45°	130
10	31030N	168335E	-45°	130
		168430E	-45°	130
]]	31000N		-40° *	
12	31000N	168430E	-70	210
			Total	1,880
	for drilling of ex			
	for drilling of ex etc. dependent on			2,500

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# APPENDIX "B"

# DATA REVIEWED

1.	).D.M. Volume 41, Part 3, 1932.
	Geology of the Three Duck Lakes Area by H.C. Laird.
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	Gold Deposits of Ontario, Part 2 - 1979.
3.	The Chester, Bennewcis and St. Louis Township Prospect of Murgold Resources Inc. in Porcupine Mining Division District at Sudbury, Intario by Watts, Griffis and McQuat Ltd. April 1983 (53 pages, 16 maps and sections).
4.	look of diamond drill logs, Murgold, Chesgo Mines, Rinaldi )ption, Kingbridge Mine, Olympic Mine, Strathmore underground :hannels.
5.	.983 Progress Reports D. Hoy.
6.	furgold Resources Inc Map No. 1 Vein, by T.D. Brown.
7.	icPhar Geophysics Induced Polarization and Resistivity Plan Map.
8.	furgold Resources Inc. Surface plan diamond drill holes and Assays October 1980, Map No. 8.

9. Preliminary map filtered VLF data.

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REPORT

ON

THE 1983 EXPLORATION PROGRAM

MURGOLD RESOURCES INC. PROPERTY

CHESTER, BENNEWEIS & ST. LOUIS TOWNSHIPS

PORCUPINE MINING DIVISION

ONTARIO

ВΥ

D. Hoy, B.Sc.

JANUARY 1984

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#### SUMMARY

Murgold Resources Inc. owns 296 contiguous mining claims total ing about 11,840 acres in area, located in Chester, Benneweis, and S. Louis Townships, Porcupine Mining Division, Ontario.

Parts of the present property were originally worked in the Thirt es and according to government records, production totalled 98 ounce. Since 1979, Murgold has carried out extensive work on the claim., which has included surface exploration and underground investigations.

The 1983 exploration program was largely concentrated on investigating the No. 1 and No. 3 vein systems as primary targets. Explo: ation techniques employed during the program included core logging, trenching and sampling, geochemical soil sampling, VLF-EM 16 and mignetometer surveys in addition to geologic mapping.

The property is located on the south-eastern extension of the Staze greenstone belt. The claims are largely underlain by an intrusive complex consisting of dioritic, guartz dioritic, granodiorite and alaskite phases. These are intrusive into rhyolitic volcanic and greywicke-type metasedimentary rocks. Diabase dykes are the youngest rocks on the property and cut all the aforementioned units.

To date at least 12 gold bearing structures have been ident:fied on the property. The gold is hosted in relatively narrow quart: veins, occupying persistent shear-fracture zones which tend to pirch and swell along strike. The mineralization is structurally controlled, as the veins and ore shoots are hosted in shear, fracture, fault and contact zones. The most important gold-bearing structures

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disco ered to date include the Nos. 1 and 3 vein-shear systems, which have been traced over strike lengths of 2,600 and 2,800 feet respectively.

Hand and backhoe trenching was carried out at the site of the N s. J, 2, 3, 4, 8, and 20 vein-shear systems. The Watts portion of the No. 3 vein was sampled in detail and returned an average value of 0.9 oz/ton Au across a sampling width of 3.1 feet, along a strike length of 290 feet. Significant gold values were also obtained from the other veins sampled.

VLF-EM16 and magnetometer surveys were carried out over 3 grids covering portions of the Nos. 1, 3, 20, and highway vein-shears. A number of conductors were delineated in the surveys, however most were stributable to the presence of conductive overburden, rather than the shear structures. Magnetics was similarly unsuccessful in detecting the vein-shears.

On the order of 1,000 soil samples were collected on the grids to supplement the geophysics. The soils were analyzed for Au, Cu, and Ag. Generally, the soil sampling yielded negative results; which is probably the result of the presence of thick glacio-fluvial overburden covering large areas of the property.

The 1983 exploration program was a success from a geological point of view. Three zones in particular have been indicated by surface sampling and diamond drilling to be of economic interest. These include the Nos. 1, 3, and No. 20 zones.

A program of diamond drilling and trenching in addition to geological, geophysical and geochemical surveys is recommended as the

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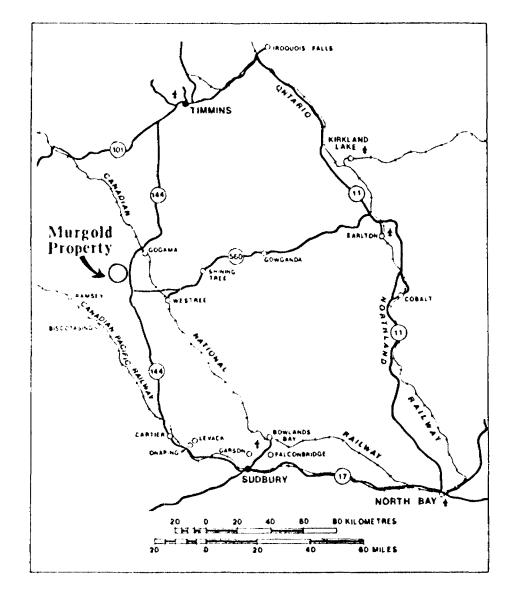
next tage of exploration. The drilling would consist of a 10,000 foot rogram primarily directed at the Nos. 1, 3, and 20 zones. The estimated cost of the program is \$338,250.

#### INTRODUCTION

Murgold Resources Inc., owns 296 contiguous mining claims totall ng approximately 11,840 acres, in the Porcupine Mining Division of Nor hern Ontario. The property is 161 km north of the City of Sudbur and 97 km south of the City of Timmins on Highway 144.

During the summer and fall of 1983, a comprehensive ground explor tion program was conducted on the property by Murgold personnel. The ex location techniques employed included surface trenching, geophysic 1, geochemical and geological surveying, in addition to core relogg ng.

The purpose of this report is to outline the exploration progra and the results obtained, and to recommend further work on the su ject group of claims.



Sudbury and Timmins regions showing Murgold property location.

Figure 1

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#### locati(n and Access

The property is located in Chester, Benneweis and St. Louis Townsh.ps, 161 km north of Sudbury and 97 km south of Timmins (Figure 1). Specif.cally, the centre of the claims is located 18 kilometres southwest o: the town of Gogama at 47° 33' N, 81° 51' E.

The claims are bisected by Highway 144, thus providing excellent access to the property. A system of good gravel roads extend from Highway 144, a distance of approximately 5 kilometres to the location of the Murgold camp site. Alternate access is by means of air transport from Sudbury to Gogama, and from Gogama by ground transport to the camp. Numerous gravel roads and extensive areas of bulldo: er stripping are present on the property, providing relatively easy access to all parts of the claims block.

## Claims Status

The property consists of a group of 296 contiguous mining claims in Chester, Benneweis and St. Louis Townships, Porcupine Mining Division, Ontario (Table 1 & Figure 2).

Two of the claims are patented (S19992 and S20009) and 8 are rining leases (S121594, S515048-515052, S515055-515056). This group (f 10 claims covers the area containing the Nos. 1 and 3 vein systems, the portion of the claims in which the major thrust of the exploration program was directed.

The remaining 286 claims are unsurveyed and unpatented. An examination of government records indicates that all of the claims

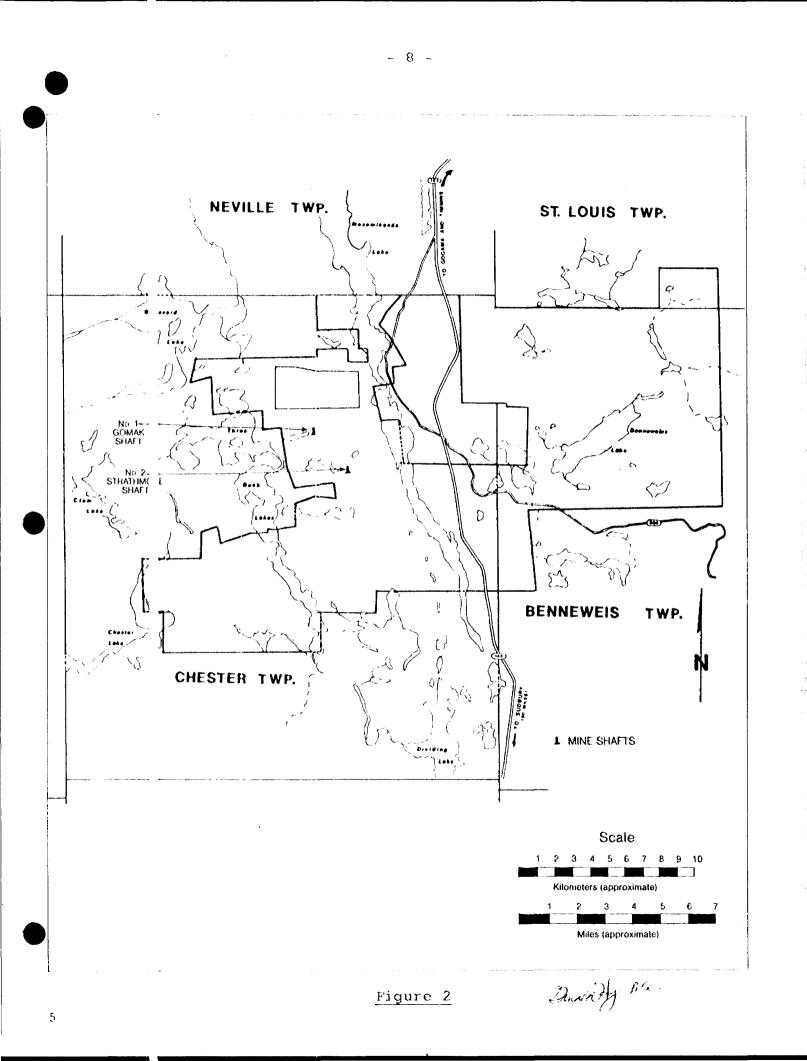
# TABLE 1

Claims List

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Township
Chester
Chester & Benneweis
Chester
Chester & Benneweis
Benneweis
Benneweis
Benneweis
Benneweis
Benneweis
St. Louis
St. Louis
Chester
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are in good standing, with sufficient work performed on them for application to lease.

# Physic caphy and Climate

The area of the claims is relatively high (± 1,300 feet above sea level), and is located just to the north of the height of land delineating the interface between the Atlantic and Arctic watersheds. Topographic relief rarely exceeds 100 feet, and in these cases the high ground consists of boulder till and glacial outwash comprising eskers and kames. Generally, large areas of rock outcroppir; are sparse, with exposure largely limited to small rocky knolls. Overburden thickness is quite variable, however it is usually less than 10-15 feet.

Short, warm summers, and long, cold winters with abundant snow characterize the climate typical of this area of Northern Ontario. Temperatures are extreme with summer temperatures exceeding 30°C and winter temperatures reaching lows of -30° to -40°C. Precipitation is moderate with an average total rain and snowfall of 48 inches per annum.

The property is forested with relatively dense growths of poplar, birch, spruce, jack pine, balsam and cedar. Low lying areas abound with extensive areas consisting of willow and alder swamp.

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#### HISTORY OF PREVIOUS WORK BY MURGOLD

The history of the property has been well described in previous reports prepared by Watts, Griffis & McQuat (April 12, 1983) and by Hill, Goettler, De Laporte (November, 1983), and need not be reported in detail here.

In summary, to date considerable work has been carried out on the block of 296 claims. Parts of the present property were originally worked in the Thirties with the original gold discovery in the area, being made in 1930 by Alfred Gosselin. Two small shafts were stak in addition to numerous pits and trenches. Government record: indicate that previous production totalled 98 ounces.

Since 1979, Murgold has carried out extensive work on the claims, which has included comprehensive surface exploration and underground investigations.

Surface exploration has included hand, bulldozer and backhoe trenching, geological mapping, geochemical sampling, airborne magnetometer, and VLF surveys, and diamond drilling. Geological mapping and VLF-EM 16 surveys were conducted over the entire claim block in 1981, however the major thrust of exploration has been directed at the No. 1 and No. 3 vein systems.

A total of 12,776 feet of diamond drilling comprising 42 holes vas carried out by Murgold in 1982. Most of the total footage was usel to drill the No. 3 vein system (about 8,000 feet), with the remaining footage directed at drilling the Beaverbridge showing and the Nos. 1, 2, 4, 15, and 16 vein systems. The drilling delineated a significant zone of mineralization in the central portion of the No. 3

vein sistem. Values ranging from .002 to 4.08 oz Au/ton over relatively narrow widths were intersected to a depth of 280 feet, over a strike length of approximately 400 feet. Included in these holes was hole M13 which returned a core length of 10 feet, assaying 0.554 oz Au/ton.

Underground exploration has included detailed sampling of the No. 1 'ein at the site of the Gomak shaft and additionally on the eastern portion of the No. 3 vein system at the Strathmore shaft. Underground investigations were conducted on the east and west drifts on the 100 foot level at the Strathmore shaft in 1981. Detailed channe: sampling, geologic mapping and the extraction of a large bulk sample (656 tons) were undertaken at that time.

In 1982, the No. 3 shaft collar was excavated to a depth of 60 feet and concreting of the collar was completed. This was work carried out in preparation for a three compartment shaft.

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# Ca p Operations

The exploration program commenced on June 20, 1983 with the ar ival of the students and project geologist. The exploration crew c nsisted of 10 employees as listed below.

Project Manager	W. Derek Bullock
Property Manager	Ted D. Brown
Project Geologist	Don Hoy
Student	Keith Bullock
Student	Kevin Bullock
Student	C. Andrew McAlpine
Student	Michael Francis
Prospector-Labourer	Kenneth Monahan
Carpenter-Labourer	Bert Simpson
Cook	Lillian Therriault

The field camp situated in patented claim S20009 was utiliz d as a base for the exploration program and to provide room and bo rd for company employees. The camp facilities consist of 4 sleeping cabins, an engineering office, a fully equipped cookery, a gene ator shack, a core shack, and a trailer housing washroom and shower facilities. Fuel and supplies required to support the camp were of tained from Timmins and from the nearby town of Gogama on a regular basis.

Camp operations were suspended on November 30, 1983 for the winter months. A watchman has been retained on a temporary basis to make periodical checks on the camp facilities.

# Approach to 1983 Exploration

Given the relatively short time frame of current management and the wealth of data available from previous operators, the major thrust of exploration in the past program was directed at verifying and follow-up work of this data base. This included geological and geophysical data, trenching and sampling data, and numerous diamond

drilling logs.

A report prepared for Murgold by the consulting firm of Watts, Griffis and McOuat (April 12, 1983) was designed to draw together and review the work carried out on the Murgold property and also to outline work recommendations and budget for the No. 3 vein. The report concludes that the No. 3 vein system is the most interesting with repard to the possible development of a viable gold deposit.

Our feeling on the No. 3 vein system at the onset of the 1983 program was that there was not enough available information for the zore to base concrete opinions as to depth extensions, structure, size and grade to warrant underground investigations. Accordingly, it was felt that the underground program proposed by WGM in their report was somewhat premature.

The 1983 exploration program was largely concentrated on investigating the No. 1 and No. 3 vein systems as primary targets. The investigations were designed to increase the strike lengths of the structures, obtaining a reasonable grade, and also to obtain a better inderstanding of the structural and geological controls governing mineralization. The findings of the program would supplement our earlier knowledge of the zones, in preparation for subsequent diamond drillir; and eventual underground exploration.

The program basics as set out at the onset of the program were as follows:

- Complete additional test-pitting, trenching and sampling on the No. 3 and No. 1 veins.
- Relog all Murgold drill core, and resample any zones of interest for assay purposes. Develop a structural and

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geological concept for the nature and mode of mineralization.

- 3) Conduct prospecting and grass-roots exploration surveys in the outlying and least explored areas of the claims.
- 4) Perform detailed confirmatory and follow-up geophysical, geological and geochemical surveys in order to confirm and more closely define the nature of the numerous VLF-EM 16 anomalies reported by Norminex.

## Exp.oration Techniques

Exploration techniques employed during the 1983 program include1 core logging, trenching and sampling, geochemical soil sampling, magnetometer and VLF-EM 16 surveys and geological mapping. The various techniques are summarized below.

Murgold drilled a total of 12,874 feet during the 1982 exploration program. The cores were logged and sampled by the on-site manager; at the time. It was apparent that the sampling of the core was confined to the zones comprising quartz veins and visible mineralization. During the early stages of the 1983 program all of the preexistin; Murgold core was relogged to test for wallrock mineralization and als, as a means of examining the geological setting of the ore shoots. Further sampling of the core was carried out in wallrock alteration zones adjacent to the quartz veins where warranted.

Hand and backhoe trenching with subsequent sampling was conducted at a number of locales during the program. Trenching was carried out on the Nos. 1, 2, 4, and 8 vein-shear systems, the Watts trenche: on the No. 3 vein-shear, and on the No. 20 shear-alteration zonc. Additionally chip-channel sampling was conducted in the locale

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of the Strathmore shaft at the site of the ore stockpile taken from the wes: drift of the Strathmore shaft and also the mine dumps.

Recent ground geophysical surveys conducted by Norminex Ltd., (1981) butlined a number of target zones delineated by EM-16 anomalies. Anomalies which coincided with a major structural linear (trending at 110°) and which were proximal to local showings were considered to be first priority targets for potential zones of mineralization. Given these parameters, follow-up surveys utilizing the EM-16 and magnetometer were conducted on 3 first priority anomalies to confirm the targets and further to determine the nature of the anomaly. Three grids (grids 4, B and C) were cut and picketed to provide control for the follow-up work, on the No. 1, the No. 3, and the Highway vein-shear systems

Geochemical techniques that were employed during the program include | lithochemical sampling and soil sampling. In the order of 1,000 soil samples were collected on the 3 above mentioned grids covering the anomalous zones reported by Norminex. The samples were collected to supplement the geophysical surveys and to assist in defining the nature of the EM-16 anomalies.

Similarly, geological mapping was carried out on Grids A and B to supplement the geophysical and geochemical surveys. Chip sampling was add tionaly performed at a number of locales on the grids where warrant d. Shortage of time towards the end of the program and snow cover prevented geologic mapping from being completed on Grid C.

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#### GENERAL GEOLOGY

The Murgold property is situated on the south-eastern extens on of the Swaze greenstone belt. The greenstone belt is comprised of eas erly trending bands of tightly folded Archean metasediments and metavo canics, termed the Temiskaming Sediments and the Keewatin volcan cs. These are intruded by later Archean intrusive stocks of granit: and granite-greiss. All of the above rock types are cut by Keewee awan diabase dykes and sills.

Numerous gold deposits occur within the Swaze belt including past producers, the Kenty Mine, and the Jerome Mine. Additionally the Or fino deposit in the northern portion of the Swaze belt is curren ly under development.

The Murgold claim block is largely underlain by a large intrus ve complex consisting of several phases including diorite, quartz diorite, granodiorite and alaskite. These rocks are intrusive into regulitic volcanic and greywacke-type metasedimentary rocks. The no: thern margin of the claims and an east-west trending zone around Benneweis Lake are underlain by greywackes and conglomerates. The rhy olitic volcanics are similarly restricted to these locales. The youngest rocks on the property are diabase dykes which occupy well develoeed fracture zones trending both north and north-west (Figure 3).

The guartz vein-shear systems found to date on the Murgold proper y are all hosted within the intrusive complex, largely in diorites and alaskite units. Visible gold is hosted in relatively narrow guartz veins associated with shear and fracture systems. The shear system on the property spans a width of 5-6,000 feet following a predominant azimuth of 100-120°. This system appears to extend from

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TEMISKAMING TEMISKAMING 2 arkose qu hornblend KEEWATIN	anger granite with dioritic and grano-diorite schistose conglomerate greywacke rtzite argittite serecite schist mica schist felsic to intermediate volcanic flows astics	MURGOLD RESOURCES INC. GENERAL GEOLOGY OF THE PROPERTY
		SCALE: 1"=1mi, FIGURE: 3 DATE: DEC. 83 Denote: Nog Base
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the Young-Shannon property to the west to the Strathmore shaft on the eas:, with both ends still open on strike. The shear and fracture systems tend to display a regional parallelism.

#### ECONOMIC GEOLOGY

To date, at least 12 gold bearing vein-shear structures have been identified on the property. The gold is hosted in relatively narrow quartz veins, which occupy persistent shear-fracture zones. The structures vary in width from a few inches to several feet in width and tend to pinch and swell along strike. The earlier gold discoveries appeared to be individual isolated occurrences, however it is now apparent that the veins are hosted in a system of parallel shearfractures. The veins which are located in the area between Mill Pond and Arethusa Lake (Vein Nos. 1-5) are typical of this system of parallel structures (Drawing1). Additionally, the quartz associated with the shears commonly occur as parallel veins or in branching veinlets, and as such should be referred to as vein-shear systems.

The dominant trend of the mineralized structures is prominent at 110'-290°, largely dipping steeply to the north. However, there are other mineralized shears on the property that trend at 045° (the No. 15 vein system) and also at 090° (the No. 20 vein system). The mineralization appears to be structurally controlled, as the veins and ore shoots are hosted in zones of weakness, such as shear, fracture, fault and contact zones. It is also apparent that there has been repeated and prolonged deformation along the 110° trend as the degree of alteration and the strength of the structures are most predominant at this azimuth. The persistent deformation was probably important in preparing the groundwork in providing a plumbing system for the mineralizing fluids.

The structures crosscut geologic contacts at various locales but appear to be strongest in gabbro-diorite hosts as opposed to the more felsic, alaskite host rocks. Similarly the types and degree of

alteration differ between these rock types. Various phases are evident in the gabbro-diorite rocks and this is due in part to alteration. The various phases of the mafics grade into one another without well defined contacts and range from relatively fresh diorites to intensely altered chloritic schistose rocks. These highly altered phases are intimately associated with the vein-shear zones. Alteration of the mafic rocks include propylitisation, chloritization, carbonatization and silicification in varying degrees of intensity. Proximal to guariz veining the alteration is intense and pervasive, involving the production of chlorite and biotite schists and the introduction of larg: guartz eyes into the host rocks.

In the more felsic granite-alaskite units, the alteration is restricted to silicification and sericitization adjacent to the veins and permeates the wallrocks for very short distances (1-2 feet). Generally, regardless of the rock type, there appears to be a positive correlation between the intensity of alteration and the gold content of the rein zones.

There are at least two distinct styles of gold and associated sulphid: mineralization present on the property. The first is characterized by the occurrence of visible gold and associated pyrite, chalcopyrite ind pyrhottite in relatively narrow quartz veins and veinlet network:. Most of the gold occurs as free gold, erratic in distribution, usually accompanied by sulphides. Copper appears to be a very good indicator mineral for the occurrence of gold and where chalcopyrite is abundar: appreciable visible gold is usually present. In some instances it was reported that sampling of the wallrock adjacent to veining carried significant gold values. However, relogging and subsequent sampli g of the 1982 drillcore did not support this concept. Alteration zones ontaining visible sulphide mineralization enveloping the veins were s mpled during the relogging and failed to indicate significant wallrock g ld mineralization. Values ranged from trace to .016 oz/ton Au.

The second style of mineralization is characterized by the occurrence of gold associated with disseminated pyrite, chalcopyrite and py: hottite in ore shoots. locally the sulphides are semi-massive and are commonly associated with quartz-carbonate veins. The mineralized zenes appear to be substantially wider than the veins discussed above. The host rocks for the mineralized zones are intensely altered including propylitic and silicic styles of alteration. The abundance of large opalescent, bluish quartz eyes are apparent in the altered mineralized zones. The gold may not all occur as free gold, as some may be tied up in the associated sulphides. The No. 20 zone and the Beaverleidge showing are characteristic of this second type of occurence. The No. 20 zone is a continuation of the Chester No. 2 gold-coper zone contained within the adjacent claim block held by Kidd R sources.

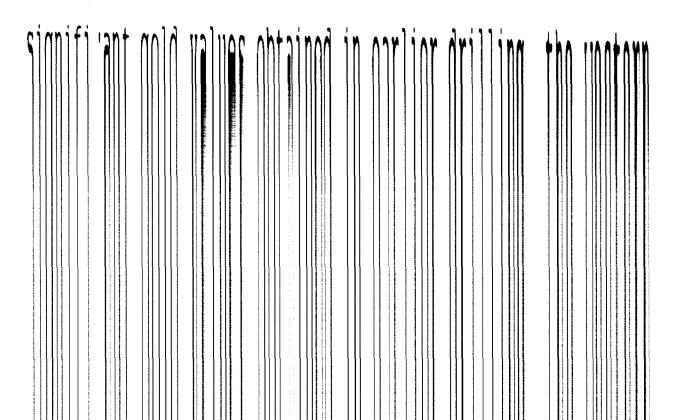
The most important and heavily investigated gold-bearing structures discovered to date on the property include the No. 3 and No. 1 tein-shear systems.

The No. 3 vein-shear has been traced over a strike length of 2,8()' by means of underground investigations, surface diamond drillir; and trenching. The system comprises a series of 2-3 parallel veins rither than a single vein. Relatively high grade diamond drill intersections have been obtained over a strike length of about 400 feet in the central portion of the No. 3 vein-shear system. An

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intersection of 4.08 oz Au/ton over 1.2 feet was obtained at a vertical depth of 210 feet. The structure was additionally intersected at a depth of 350 feet in the same general locale but yielded low gold values. The results of the 1982 drilling on this section of the vein were the most consistent of any drilling undertaken on the property, and thus this zone is considered as promising with regard to the possible development of a viable gold deposit.

The western portion of the No. 3 vein-shear system is indicated over a strike length of 800 feet. The Watts trenches were sampled during the past program, indicating a strike length of 290 feet averaging 0.49 oz Au/ton across an average sampling width of 3.1 feet. A number of diamond drill holes were drilled by predecessor companies in the vicinity of the trenches, specifically by Chesgo (1947), by Kingbridge (1970) and by Olympia (1975). Older plans and drill logs indicate that significant intersections were obtained during these periods of drilling in a number of holes with the deepest intersection assaying0.94 oz Au/ton over a 2 foot width at a depth c 210 feet (Chesgo, DDH 13, 1947). Unfortunately the locations of the older diamond drill holes are not accurately known and can at best be approximated. Thus, based on the encouraging results obtained from the recent chip-channel sampling of the Watts trenches and the



intersection of 4.08 oz Au/ton over 1.2 feet was obtained at a vertical depth of 210 feet. The structure was additionally intersected at a depth of 350 feet in the same general locale but yielded low gold values The results of the 1982 drilling on this section of the vein were the most consistent of any drilling undertaken on the property, and thus this zone is considered as promising with regard to the possible develoyment of a viable gold deposit.

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Located along strike to the west of the No. 3 system is the No. 8 v in, situated to the immediate south of Mill Pond. Of significance i the very close alignment of this structure with the Gosselin

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showing to the west and the No. 3 system to the east. It is probable that the No. 8 vein and the No. 3 vein are all part of the same system, which is effect would increase the total strike length of the structure to approximately 4,700 feet. Sulphide mineralization is of moderate abundance in the structure and some significant gold values were obtained during recent sampling.

The No. 1 vein-shear system has been traced over a strike length of approximately 2,600 feet by means of trenching, underground investigations and some limited diamond drilling. This system, asis the case for the No. 3 system can be divided into 3 sections.

In the central section Gomak Mines developed an 85 foot deep inclined shaft with 215 feet of drifting at the 65 foot level in 1935-3(. It is reported that Gomak produced 98 ounces of gold from 500 tons of one at that time. In 1939, Jones reportedly sampled the 20( foot long trench located to the west of the shaft and obtained an average value of 2.04 oz Au/ton over an average width of 1.4 feet. Murgold resampled the trench in 1980 and reported an average of 0.47 oz Au/ton over an average sampling width of 2.8 feet. Olympia International Resources drilled 2 holes in the locale of the Gomak shaft in 1975. The holes were intended to intersect the down-dip extension of the structure at shallow depths (45 feet). Shallow intersections of 2.93 oz Au/ton and 0.42 oz Au/ton were intersected over core lengths of 1.5 and 1.0 feet respectively at this locale.

Two large trenches have been developed on the shear at the east erd of the structure. Drill hole M18 was drilled at this locale in 1982 and produced a 6 foot length of core assaying 0.146 oz Au/ton. Significant gold values were obtained from both of these

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trench s during recent sampling which are consistent with earlier sampli g by Murgold.

The western portion of the No. 1 system has been investigated by han: and bulldozer trenching, in addition to very limited diamond drilling. A number of hand trenches returned significant gold values and a ingle drill hole which was drilled 650 feet to the west of the shaft : long strike returned values of 0.45, 2.0, 1.0 and 0.10 oz Au/ton respec ively. The hole was reportedly drilled in 1939 by Gomak Mines Ltd. 'he widths of the intersections are not known, however it is report: d that the mineralized sections of core were intersected at depths 56 - 61 feet vertically.

Other vein-shear zones that have been investigated include the No. 2,4,5,11,15,16,17 and 20 systems in addition to the Highway shear which is located on Highway 144, on the east side of Southcamp Bay. 10 date a limited amount of work has been undertaken on them, largely being restricted to trenching and sampling. Significant gold values have been obtained from the sampling, however their vertical and lateral continuity has yet to be established, and further work is warranted on these zones. Hand and backhoe trenching was carried out at a number of locale on the property. The following summarizes these operations and th results obtained.

# No. 3 ein-Shear (Watts Portion)

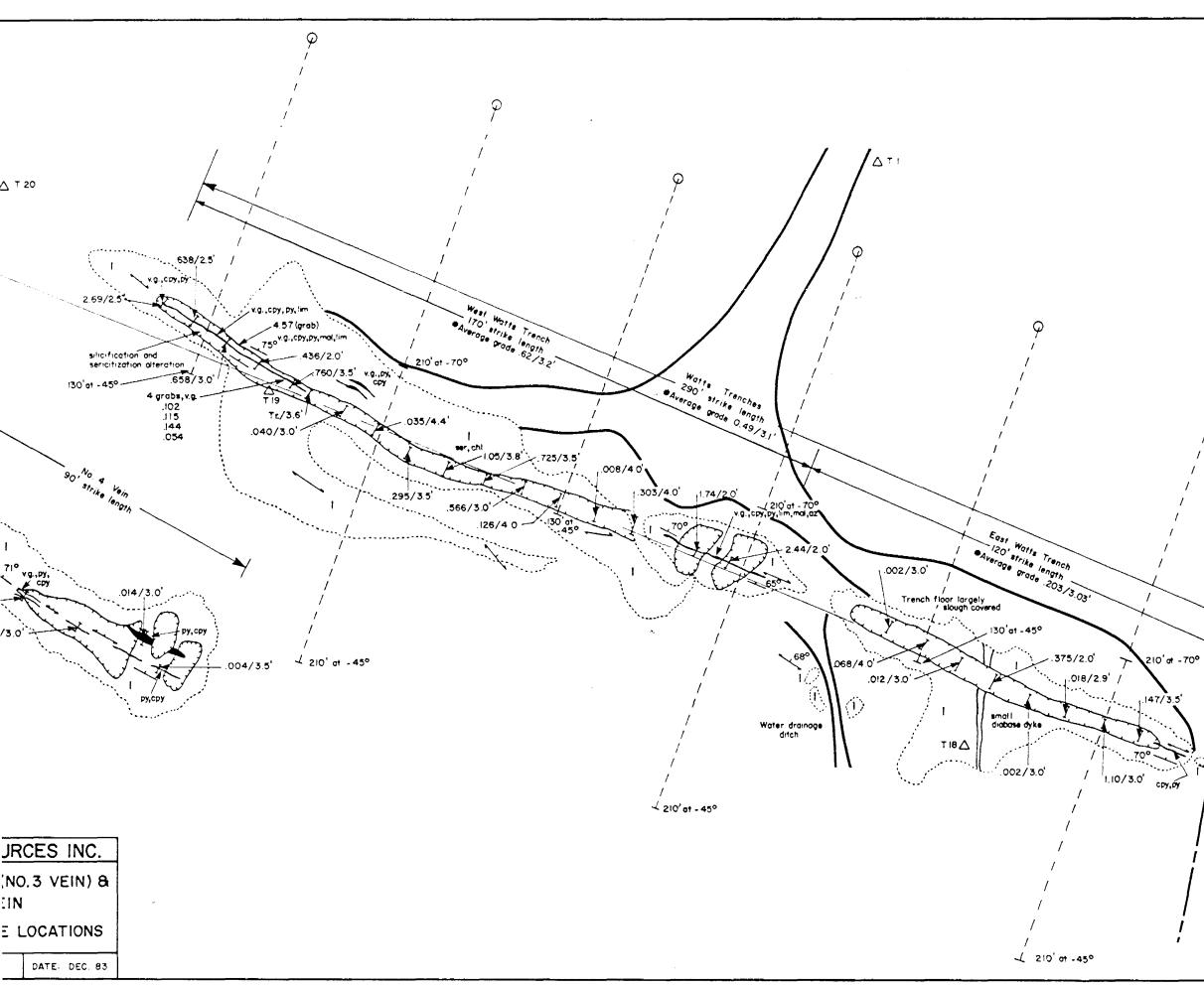
Blasting and subsequent mucking of the west Watts trench reveal d a thin guartz vein (4-6" in width), hosted in relatively unalte ed alaskite. The vein carries abundant chalcopyrite, pyrite, malach te and azurite and appreciable visible gold locally (Figure 4).

Chip-channel sampling results of the west trench indicate a zone 170 feet in length averaging 0.62 oz Au/ton over an average sampli g width of 3.2 feet. The east trench assays 0.203 oz Au/ton across an average width of 3.03 feet along a strike length of 120 feet. This indicates a total strike length of 290 feet averaging 0.49 o /ton Au over a sampling width of 3.1 feet. Grab samples collec ed from the west trench returned values ranging from .054 to 4.57 o /ton Au. Visible gold is readily discernable at this locale.

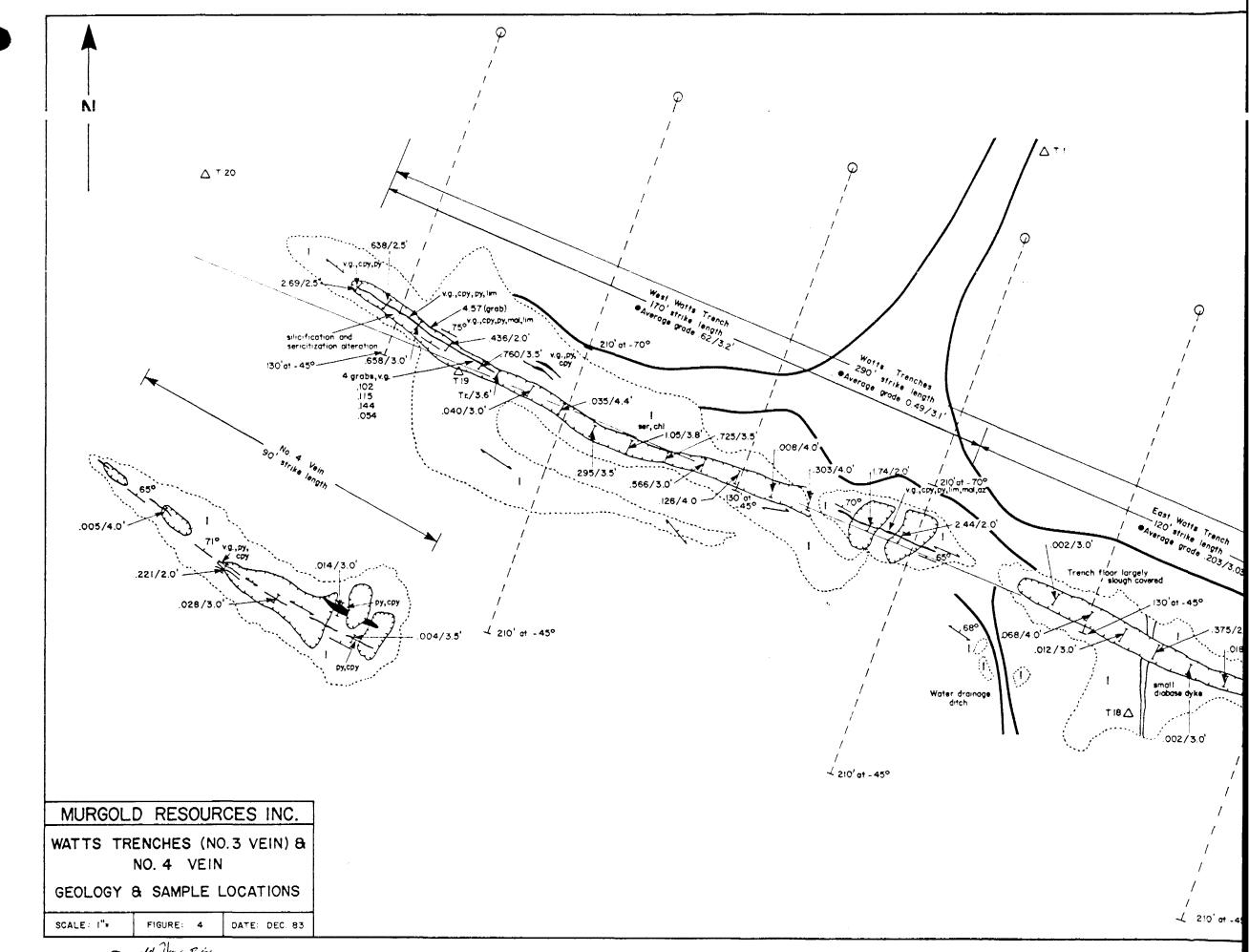
The results of the above sampling confirm values which were previo sly obtained by Murgold personnel and are in accord with the result of two bulk samples collected by Olympian International Resources in 1974. The two samples were comprised of 46.74 and 48.92 tons and returned values of 0.172 and 0.30 oz Au/ton from estimated widths of 6 to 10 feet respectively.

#### No. l 'ein-Shear (East End)

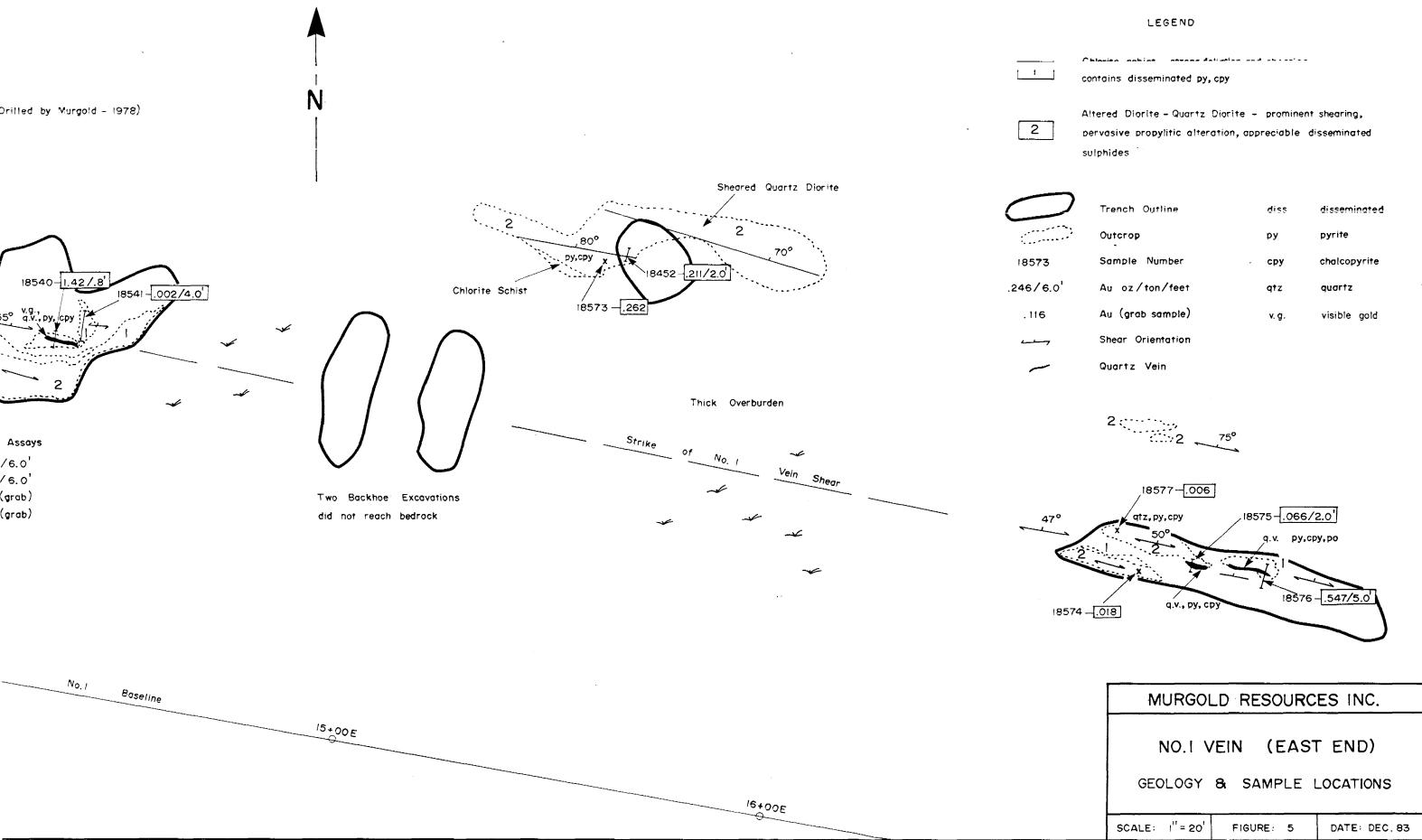
Three pits were blasted and re-opened along the eastern extens on of the No. 1 vein shear along a strike length of about 375



	LEGEND		
2	Diabase dyke – very f gra+ned.	line grain	ed to medium
	סמט - granite granite - טחט coarse grained,	))T T OT ON T I	atea, meatum to -
	Trench Outline Outcrop Geologica! Contact	-	visible gold chaicopyrite pyrite
	Shear Orientation	mal	malachite
<u> </u>	Strike – Dip	02	Ozuritø
	Quartz - Vein	im	limonite
I	Chip channel	chi	chlorite
1.03/2.0	Au oz/ton/feet		sericite
Q1	Proposed DDH		medium grained
$\bigtriangleup$	Survey Pin	xfg.	very fine grained
2	No. 3 Boseline		Atimuth
(21 ····			

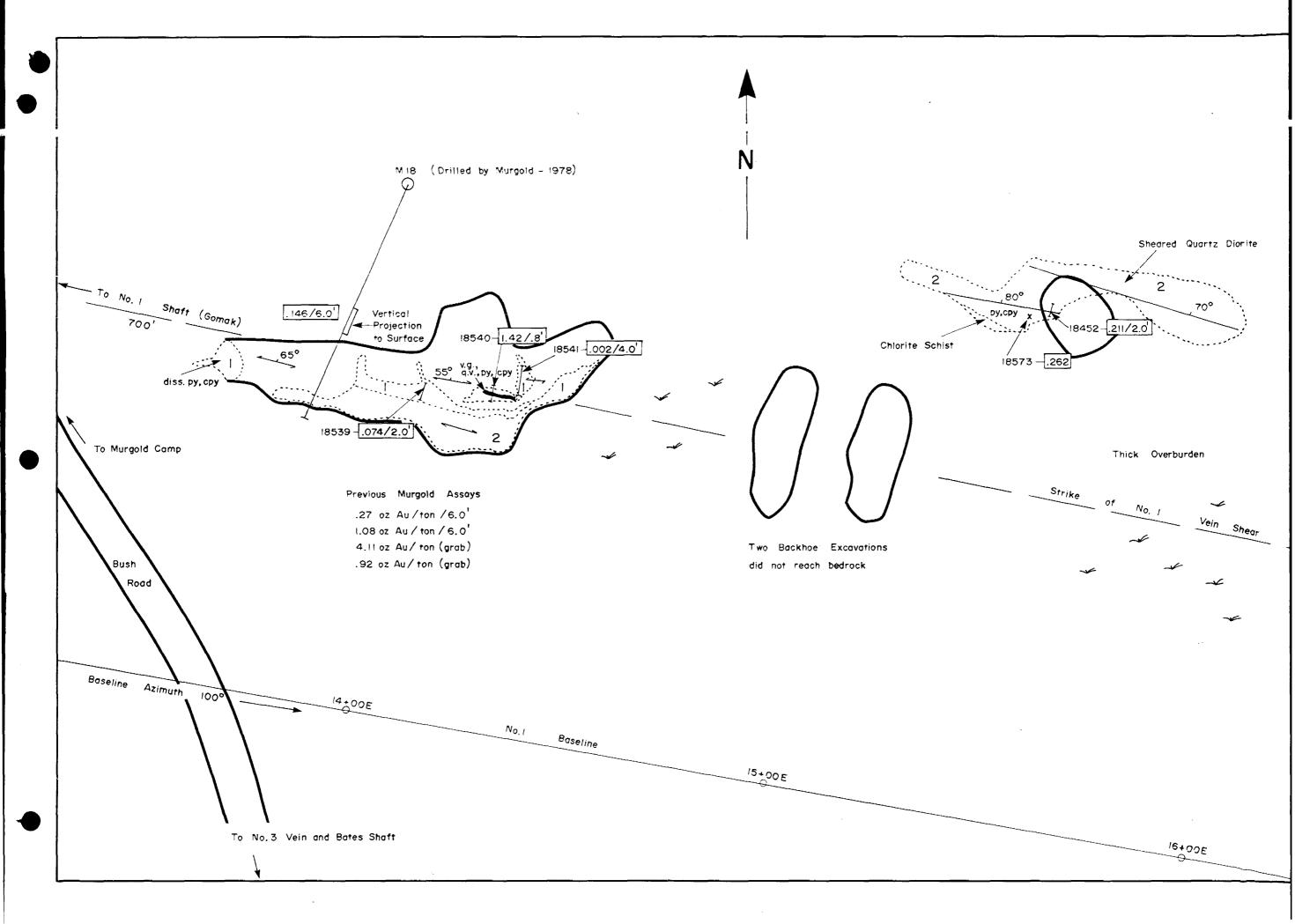


Donald Hoy E.S.



Trench Outline	diss	disseminated
Outcrop	ру	pyrite
Sample Number .	сру	chalcopyrite
Au oz/ton/feet	qtz	quartz
Au (grab sample)	v.g.	visible gold
Shear Orientation		

,			
	MURGOLD RESOURCES INC.		
	NO.I VEIN (EAST END) GEOLOGY & SAMPLE LOCATIONS		
	SCALE: I"= 20 FIGURE: 5 DATE: DEC. 83		
_	Donald Hay B.Sc.		



feet ('igure 5). The shearing observed in these trenches is of modera e to strong intensity with widths ranging from 5 to 20 feet. The gu rtz associated with the shearing is lenticular and discontinuous in nat re. The shear and associated guartz contain pyrite, chalcopyrite, malach te and minor visible gold. Sampling of the trenches yielded the fo lowing results.

Assay (oz/ton Au)	Sampling Width (feet)
0.074	2.0 )
1.42	.8 ) .431/6.8'
0.002	4.0 )
.211	2.0
.262	grab
.066	1.5
.018	grab
.547	5.0

Previo s assays that were obtained by Murgold in these trenches were .27/6. ' and 1.03/6.0'. In addition drill-hole M18 was drilled in this 1 cale in 1982 and encountered a 6 foot section assaying 0.146 oz/ton Au.

#### No. 1 ein-Shear (West End)

A number of samples of interest have been obtained from a series of trenches located to the west of the Gomak shaft. In a trench crosscutting the vein-shear 900 feet west of the shaft the follow ng assays were returned (Drawing 1).

<u>Assay (oz/ton Au)</u>	Sampling Width (feet)
0.119	8.0'
0.204	grab

A furt er 100 feet to the west, the shear was trenched and sampled at wha has been referred to as the No. 17 showing. The following assays were obtained from sampling.

<u>Assay (oz/ton Au)</u>	Sampling Width (feet)
0.134	grab
0.294	grab
0.052	3.0
0.010	3.0
0.020	grab

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At this locale the shear appears to decrease in intensity and thick overbuilden becomes prevalent to the west.

# No. 8 'ein-Shear

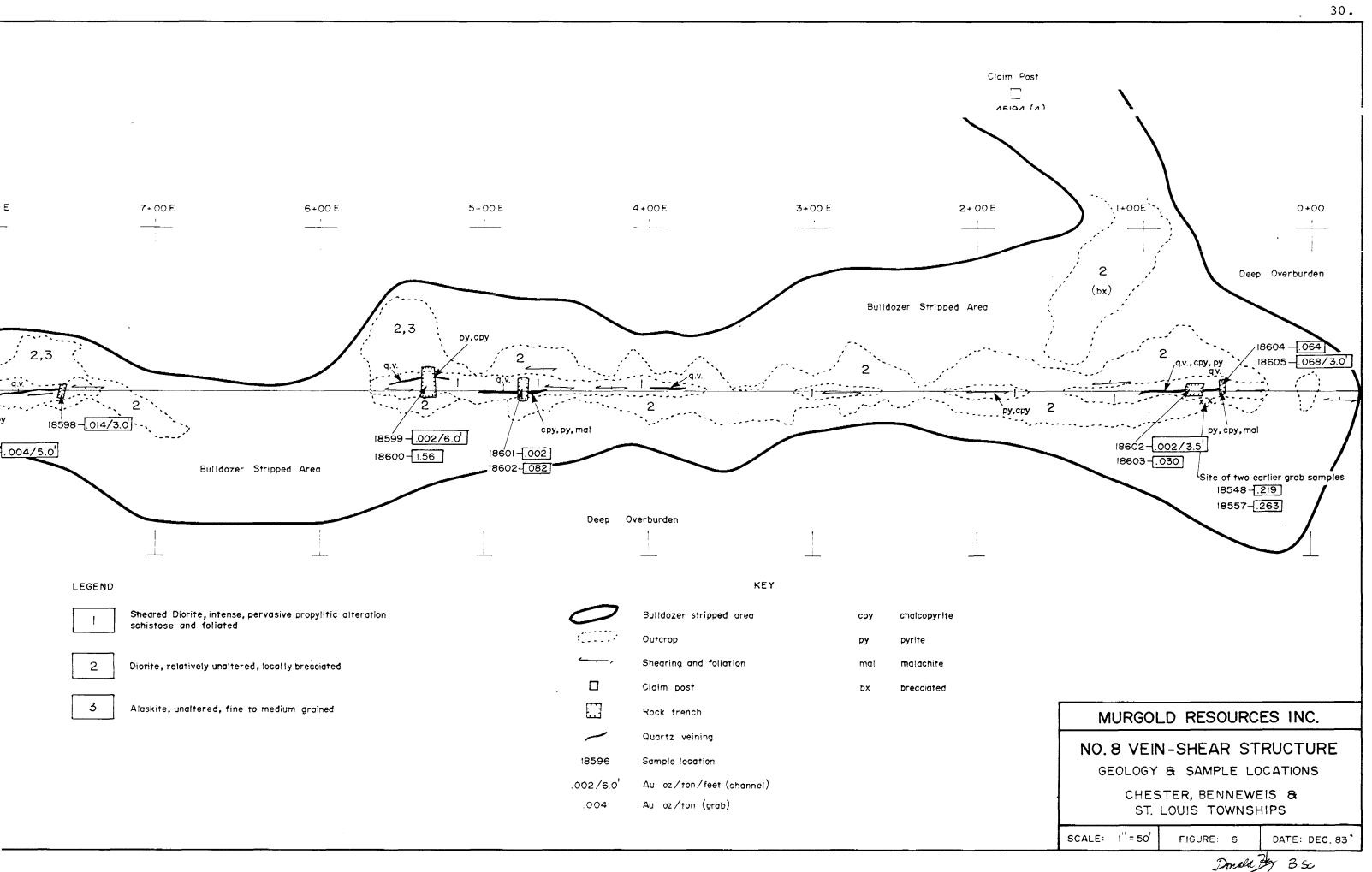
The No. 8 vein-shear was previously stripped by bulldozer during 1981 exploration by Murgold. The structure is stripped along a stril = length of approximately 1,000 feet (Figure 6). The shear lies to the west and on strike with the No. 3 vein-shear. The discontinuous sl = aring and associated quartz veining is of moderate intensity and characteristically pinches and swells along strike. A number of hand to enches were blasted along the strike of the structure revealing rusty sections containing minor to appreciable pyrite and chalcopyrite. Chip-clannel sampling and a few grab samples were collected from the hand to enches and returned values ranging from .002 to 1.56 oz Au/ton. Two samples collected from the small exploration pit located at the west erd of the structure returned assays of .219 and .263 oz Au/ton respectively. The sampling indicates that there is significant gold contained within the structure and reflects the erratic distribution of gold in these vein-shear systems.

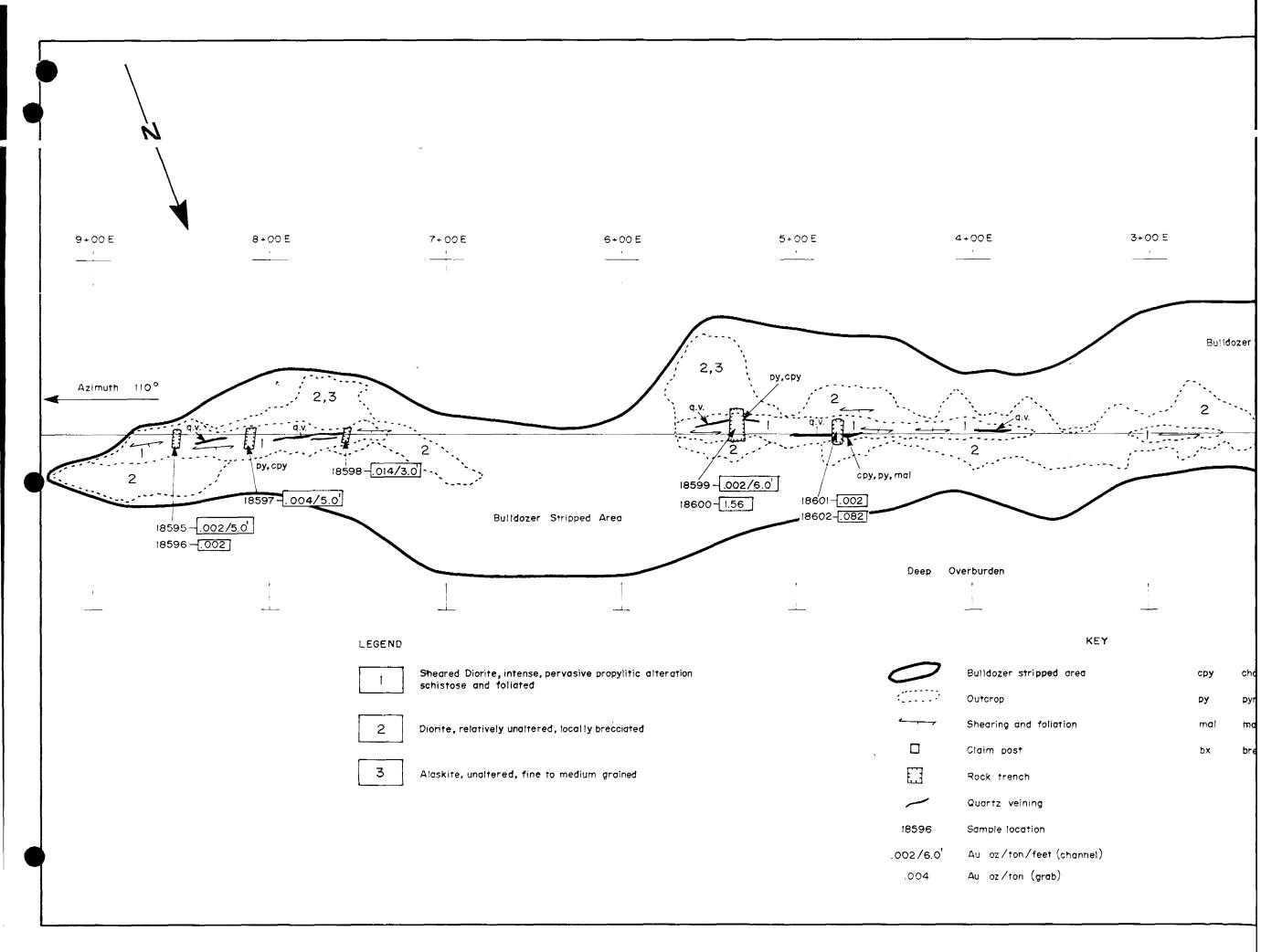
#### No. 20 Vein-Shear Zone

The following results were obtained from sampling the mineralized structures comprising the No. 20 zone (Figure 7).

Sample #	<u>Au oz/ton</u>	Sample Width (feet)
18561	.050	10.0 )
18562	1.06	10.0 ) 0.38/30.0'
18563	.084	10.0 )
18564	.002	3.0
18565	.004	3.0
18566	.084	5.0
18567	.002	2.5
18568	.004	2.5
18569	.082	grab
18570	.198	grab from Chester #2 zone

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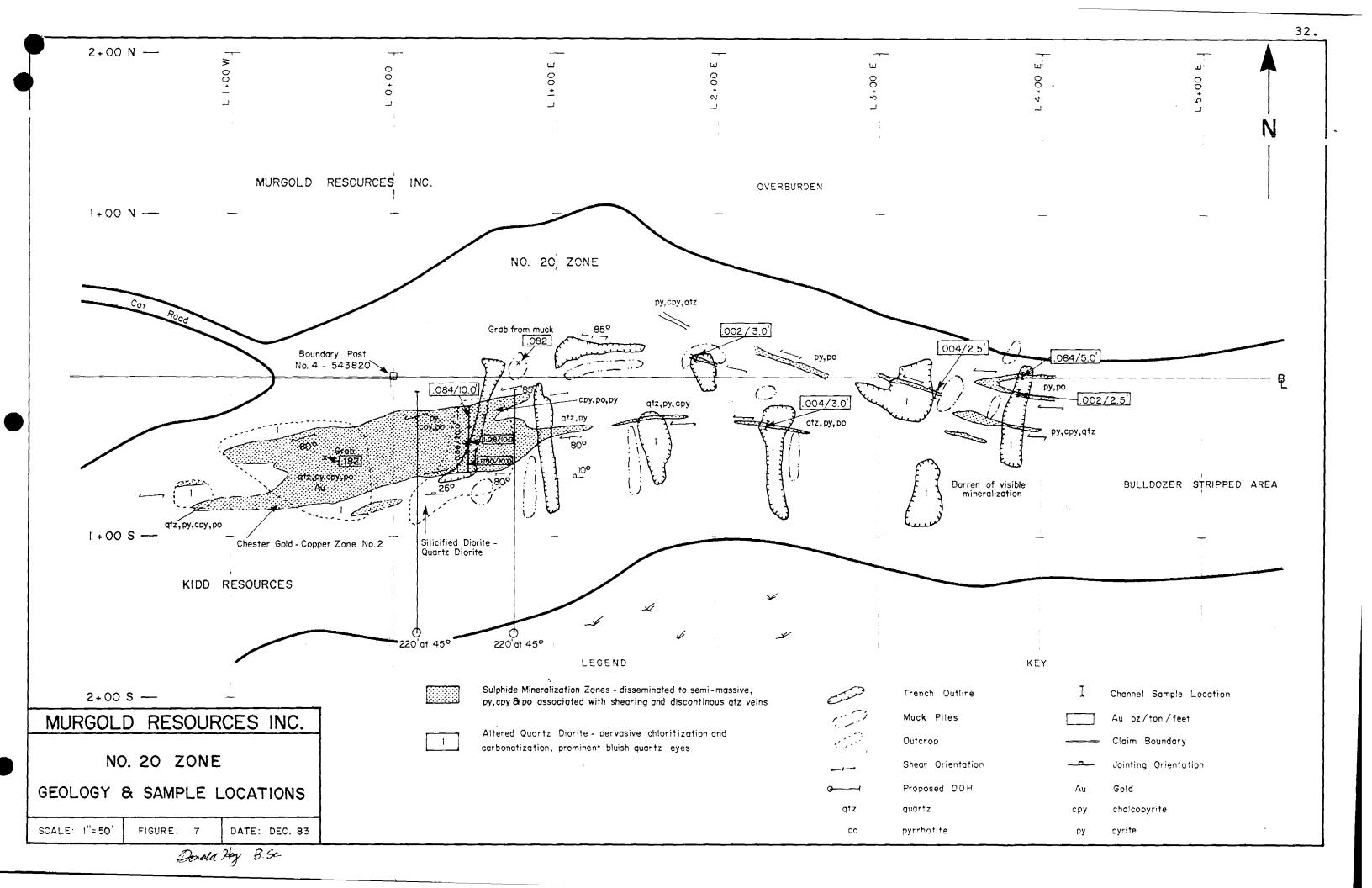




The most significant values were obtained over the widest sectio of the zone with three continuous channel samples of ten feet length assaying .050, 1.06 and .084 oz Au/ton respectively. As a compos te the width of this portion of the zone assays 0.38 oz Au/ton across 30 feet. The other shears were sampled and returned values rangin from 0.002 to 0.084 oz Au/ton across width ranges of 2.5 to 5.0 fe t. A grab sample taken by Murgold from the adjacent Chester #2 gol -copper zone assayed 0.198 oz/ton Au. Norminex reported assays from well-mineralized grab samples containing in excess of 2 oz/t n Au. from the No. 20 zone.

Kidd Resources reports channel sampling values of up to 0.87 o /ton Au across 38.0 feet from the adjacent Chester #2 zone. They have additionally intersected significant gold values in drill holes o a vertical depth of 150 feet.

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#### No. 2 haft Dump

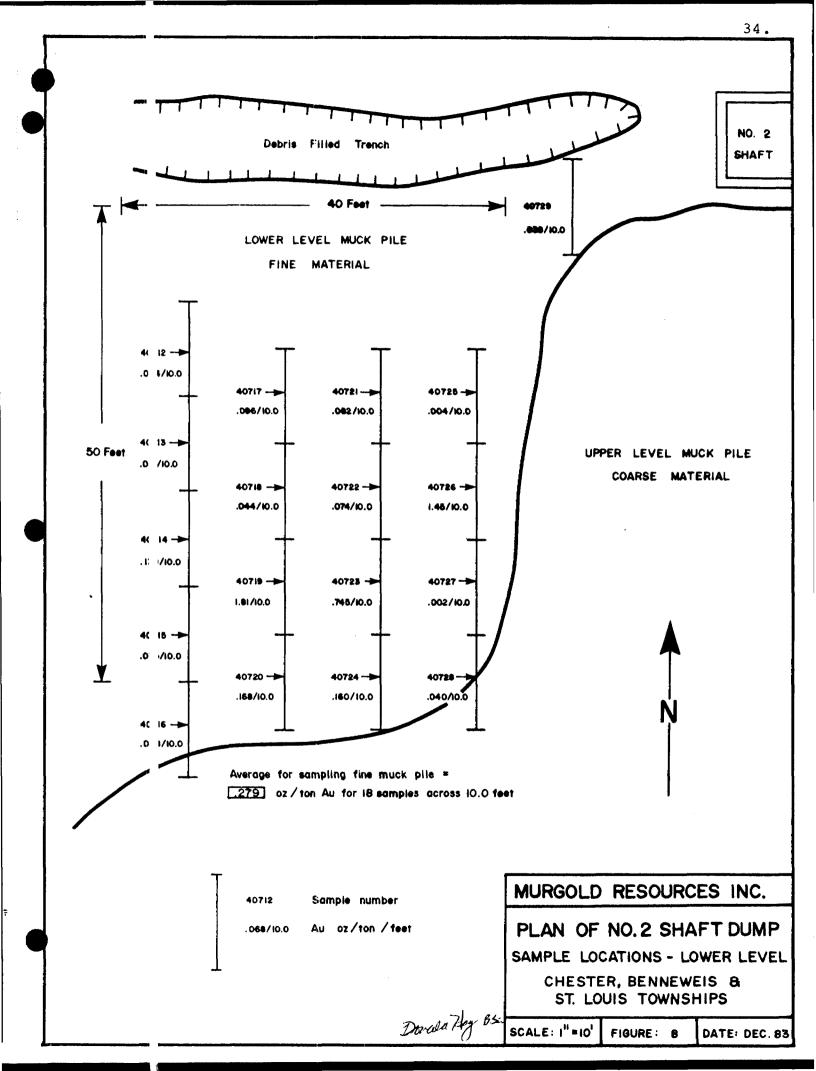
Relatively fine material comprises the lower level "dump" at the site of the No. 2 shaft. Observation of this fine material indica ed the presence of fine grained disseminated sulphides. Sampli g of the dump was conducted in 10 foot lengths in channels. Values ranged from .002 to 1.81 oz Au/ton and averaged .279 oz/ton Au over 1 foot sampling widths (Figure 8). The results of the sampling indica es that the lower level of the No. 2 shaft dump comprises ore grade aterial. Based on dimensions of a 50 foot length, a 40 foot width nd a 4 foot thickness, it is estimated that there is approximately 500 to s of this material present at the site.

The coarser material comprising the upper level was additionally s mpled. Channel samples returned values of .018 and .004 oz/ton Au ove channel sample lengths of 6.5 and 6.0 feet.

## No. 4 ein-Shear

This vein-shear was blasted and sampled over a strike length of app oximately 40 feet. The structure is located approximately 85 feet t the south of the Watts trenches trending at an azimuth of approx mately 115° (Figure 4). Trenching indicated a shear of moderate intens ty hosting discontinuous and lensy guartz. The guartz veining varied in width from a few inches to about 2 feet. Appreciable patchy and di seminated pyrite and chalcopyrite were hosted in the guartz and within the shear itself. Small amounts of visible gold were noted at one of the sampling sites. Gold values ranged from .004 oz/ton Au to a high of .221 oz/ton Au across sampling widths of 3 to 4 feet. Unfort nately the presence of thick overburden at both ends of the struct re prevented further trenching from taking place.

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#### Other 'eins Sampled

Trenching and sampling was carried out at a number of other locale: during the program. This sampling was conducted on the No. 2 vein-slear, the No. 11 showing and from the remainder of the ore stockpile oltained from the No. 2 shaft.

The No. 2 shear is located approximately 300 feet north of the No. 2 zone. The structure has been exposed by a number of small hand trenches over a strike length of about 400 feet. Grab samples were collected from these trenches and returned values of .468, .014, .155, .005, .78 and .12 oz/ton Au. Appreciable patchy sulphides are present in the quartz vein which attains a maximum width of about 2 feet at a few locales.

The No. 11 showing is located on Grid C to the north of the No. 1 vain system (Drawing No. 8). The zone is stripped along a strike length of about 600 feet. The showing was discovered in 1981 in response to a strong gold in soils anomaly reported by Norminex. The mineralization is comprised of patchy and disseminated pyrite and chalcog vrite, hosted in interfingered units of diorite and alaskite. Three g ab samples were collected from the showing and returned values of .006 .020 and .016 oz/ton Au.

A few large grab samples (20-25 lbs) were collected from the remainder of the ore stockpile in the No. 2 shaft locale. The samples were representative grabs of the ore and returned values of 2.21 and .464 oz Au/ton. The results confirm our feelings with regard to the grade ci the ore extracted from the stope in the west drift.

#### GEOPHYSICS

VLF-EM and magnetometer surveys were carried out over grids A, B, and C covering portions of the Nos. 1, 3, 20 and highway veinshears. A Geonics VLF-EM 16 was employed for the electromagnetic survey, using Cutler, Mains as the transmitter station. A McPhar M 500A magnetometer was used for the magnetic survey. The results of the surveys are summarized below.

A number of conductors were indicated on the EM survey carried out on grid A (Drawing3). The presence of 2 powerlines created problems of interference on sections of the grid, and readings are only valid between crosslines 10+00W and 10+00E. The conductors defined by the Fraser filtered contours are apparently not associated with the quartz vein-shear which is bisected by Highway 144. The major conductor located between crosslines 2+00E and 10+00E is coincident with an area of the grid underlain by swamp as are a number of the other conductors. It is probable that the EM responses obtained are a result of the presence of conductive overburden rather than due to bedrock conductors.

Three major conductors were defined by the EM survey on grid B Drawing 6). The Fraser filtered contours and the in-phase profiles indicate 2 very strong conductors located between crosslines 4+00W and 10+00W. The in-phase readings were extremely high over these zones and when filtered using the moving average, the resulting data were high. It is apparent that these anomalies are generated by the extremely swampy conditions in these areas, and are probably due to conductive overburden. There is, however, one anomaly which is considered valid, in view of the absence of swampy terrain in the locale,

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and it. proximity to the No. 2 shaft and No. 3 vein system. This anomal: is located between lines 4+00W and 18+00E, trending at an azimut! of approximately 080°. Of significance is the apparent intersection of the conductor with the projected strike of the No. 3 vein to the east of the shaft. It is probable that this anomaly represents a bedrock conductor and follow-up work is warranted in this case.

On grid C, there is one very prominent anomaly indicated by the filtered contours, that spans the entire grid in an east-west direct: on (Drawing 8). The portion of the conductor located between crossl: hes 16+00E and 24+00E is interesting in view of its close spatial relationship with the No. 11 showing. The showing consists of dis: eminated and patchy pyrite and chalcopyrite hosted in fractures and shears in interfingered units of alaskite and diorite. The showing was di: covered by follow-up trenching, investigating a strong gold in soils : homaly in 1981. With the exception of one 10-contour anomaly located between lines 12+00E and 16+00E, the conductors delineated in the survey are not associated with the No. 1 vein-shear system.

VLF-EM 16 and magnetometer surveys were carried out on a small (rid covering the No. 20 zone. A strong conductor was indicated by the EM survey, which correlates very strongly with the mineralization associated with the Chester #2 gold-copper zone and the No. 20 zone. In addition the magnetometer survey indicates a prominent magnetic high superimposed on the sulphide zones. Of significance is the continuation of the EM conductor to the east beyond the extent of the presently exposed sulphide zones, indicating potential for additional mineralization.

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Generally, the conductors delineated by the EM surveys are not associated with the relatively narrow vein-shear systems tested, which included the Nos. 1 and 3 systems and the shear on Highway 144. It is apparent that the veins are too narrow and lack sufficient sulphides to elicit an EM response. The exception of course, is the No. 20 cone, which is of considerable more width than the veins and contain; significantly more sulphide material.

By and large, the magnetic surveys are more useful in providing geologic control than for detecting the shear zones. The magneti: data are able to detect the trend and location of diabase dykes and the gabbroic-diorite intrusive phases in areas underlain by overbur len. In a few isolated cases, weak magnetic lows are situated over the strongest vein-shears, but this relationship is not always consistent.

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#### GEOCHEMISTRY

In the order of 1,000 soil samples were collected on grids A, B, and C (Drawings 4, 7 and 9) to supplement the geologic mapping, the VLE EM-16 and magnetometer surveys. Samples were collected from the B soil horizon at all stations on the grid that were not underlain by swam by ground. The samples were analyzed at Bell-White Analytical Laboratories in Haileybury.

In general, the response obtained from the geochemical sampling was poor. Geochemical sampling that was carried out over the EM conductors yielded negative results. The results of the sampling are somewhat surprising given the fact that even soils that were sampled in close proximity to known gold bearing veins yielded negative results.

The poor results can be in part explained by the relatively thick veneer of overburden underlying major portions of the property. Soil geochemistry works best in thin horizons of residual soils which have been left undisturbed. The overburden covering large areas of the grids simpled consist of glaciofluvial material such as sands and gravels. This suggests that the responses obtained in the soils do not reflect the "signature" of underlying bedrock mineralization.

Some consideration should be given to further geochemical testing of organic material utilizing the neutron activation method. This could initially be carried out as a test survey with future surveys contingent upon the earlier results. The advantages of this method are that the neutron activation system is much more sensitive in term; of a lower detection limit (to 0.1 ppb), the method is a multi-el ment technique in that many elements can be readily analyzed simulta eously.

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#### CONCLUSIONS

The 1983 exploration program has been a success from a geological point of view. The results of the program have substantiated and added to the potential of the property with regard to the development of viable gold deposits. The most important conclusions as yielded by the program are:

- 1. The No. 3 vein system has been explored by surface sampling, trenching and diamond drilling, over a strike length of 2,800 feet. The investigations have delineated 2 zones of interest for further exploration. The central portion of the system contains relatively high grades of gold over narrow widths, along a strike length of 400 feet at shallow depths. The western portion of the system, at the Watts trenches locale, was sampled in some detail during the program, and indicates a zone 290 feet in length assaying 0.49 oz/ton Au, across an average width of 3.1 feet.
- 2. The No. 1 vein system has been traced over a strike length of approximately 2,600 feet through trenching, sampling and limited diamond drilling. Sampling of the eastern and western portions of the vein-shear system has yielded significant gold values across relatively narrow widths. The structure is still open at both ends along strike.
- 3. The No. 20 zone represents a significant zone of mineralization. The showing displays a style of mineralization which differs from the relatively narrow veins. Sampling of the zone indicates gold values of 0.38 oz/ton Au, over a sampling width of 30 feet. The zone has never been

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drilled and present indications are that mineralization extends at depth.

- 4. There are numerous gold bearing structures present on the property. Very limited investigations have been carried out on these to date, however most of them contain significant gold as indicated by preliminary sampling.
- 5. VLF-EM 16 surveys failed to respond to the relatively narrow vein-shear zones. A number of conductors were delineated in the surveys, with most of them responding to the presence of conductive overburden rather than bedrock conductors. The exception is the No. 20 zone where a significant EM and magnetic response was obtained, very closely spatially associated with the mineralized zones. Magnetic surveys were similarly unsuccessful in outlining the narrow vein-shears.
- Geochemical soil sampling was unsuccessful in outlining gold in soil anomalies. The presence of a relatively thick veneer of overburden, glacio-fluvial in origin, is suggested to be the cause of the negative response.

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RECOMMENDATIONS

broken down into the following:

It is herein recommended that a program of diamond drilling, trenching, geological, geophysical and geochemical surveys be undertaken on the property, as the next stage in exploration. The elements of the program are as follows:

 A diamond drilling program be undertaken comprising 10,000 feet of drilling, primarily concentrating on the Nos. 1 and 3 vein-shear systems. The drilling is suggested to be

<u>/ein System</u>	Portion	Proposed Footage	No. of Holes
No. 3 vein	central	2,8001	9
No. 3 vein	western (Watts trenches locale)	1,600'	9
No. 3 vein	eastern	400'	2
No.l vein	central & eastern	3,000'	20
No.l vein	western	500'	3
No. 20 zone		800'	4
	Sub total	9,000'	
Allowance for	fill-ins contingent sults	1,000'	
	Total	10,000'	

The proposed drilling is designed to fill in, extend and test the structures at depth. It is recommended that 2 drill rigs be used to carry out the drilling, with one drill operating on each vein system.

It is recommended that the Weeduck Lake area, the No. 20 zone area and the adjacent claims to the north of the property held by Kidd Resources be investigated by a program of geological mapping, EM, I.P., magnetometer and geochemical surveys. The prominent EM anomalies delineated by Norminex

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in 1981 in these areas, and the excellent potential for discovering additional zones of mineralization similar in nature to the Chester Nos. 1 and 2 zones and the No. 20 zone, warrant a program of this nature.

- Given the obvious association of the vein-shears on the property with fracture, shear and fault systems, an air photo structural study is recommended. An air photo study can be useful in areas of heavy overburden outlining lineament and regional fracture systems. This would be useful on the Murgold property in view of the abundance of overburden covering large areas of the claims block.
- 1. It is recommended that a test geochemical survey utilizing humus sampling, with subsequent analysis by the neutron activation method be carried out. This method is much more sensitive with regard to detection limits for gold and provides better data than does soil sampling of the B horizon. Apparently the technique has been used with some success in the Hemlo area.

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#### COST ESTIMATE

For a program of approximate 3 month duration.

Diamor] Drilling, 10,000 ft @ \$20/ft	\$200,000
Assays, 500 @ \$10.00 each	5,000
I.P. Sırvey, @ \$1,000/line kilometre, say 40 km	40,000
Linecu:ting, @ \$150/line kilometre, 40 km	6,000
Geochemical Sampling & Analysis	10,000
Air Photo Structural Interpretation	1,500
Report, Map & Section Preparation	5,000
Persoral and Administration Costs	40,000
·	<del></del>
Sub total	307,500
plus contingencies @ 10%	30,750
Total	\$338,250

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Don Hoy, B.Sc. January, 1984

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REPORT

ON

THE 1983 EXPLORATION PROGRAM

MURGOLD RESOURCES INC. PROPERTY CHESTER, BENNEWEIS & ST. LOUIS TOWNSHIPS PORCUPINE MINING DIVISION

ONTARIO

ΒY

D. Hoy, B.Sc.

JANUARY 1984

VOLUME II - DIAMOND DRILL LOGS

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DEPARTURE	171237	BEARING		ULTIMATE DEPTH				
ELEVATION	0000.16	DIP	·····	PRO	oposed di	ЕРТН		
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	T	
0-15.0	indig							
15.0- 80.0'	Babbio: 1. redinis	tas upto wet a alternatively a stallow						
	intrusice , Largely	five to median gramed, median to dade						
	grey. sighting the	martuske optitie tokan of playerlase latters	<b>.</b>			· · · · · · · · · · · · · · · · · · ·		
	alattudy unaltime	. since alliention of plagioilan to epidote						
	moderate is having	fetturing locally, excusional mail palities					_	
	- 2 1px 202 , 2600	strough reserves on indisite tolcanic						
	- stilled toma ma	give low is lad bridly frochuser		······	·····			
80.0- 120.0	Diarile; fine	, source 1 comiel phases, massive, put						
		optays alleration locally largely suburfusion						
		bluich guesty upo . trace chalcopparte.						
	1	questo intering two small patches 1'						
	Jaliopite mill							
		patien queue with 5 days of cholesports.						
		grand poil growter net, inter						
	main resitty	· · · · ·						
, <b>1 − − − − − − − − − − − − − − − − − − </b>		3 and gravite, strudent large bluch	]					
	questes upo							
		regula, stages edite vin .						
<u> </u>		to sin no VISta rematigate @ 55-60' to CA.						
<u></u>	1180- 1200; + inothe	al contest with cardedquig cont.						

Deloget 20/1/83

Don Huy

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	PROPERTY	HOLE No							
SHEET NUMBER_	2.f SECTION FROMTO		STA	RTED					
LATITUDE	DATUM		COI						
DEPARTURE	BEARING		ULTIMATE DEPTH						
ELEVATION	DIP		PRC	POSED DI	ЕРТН				
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$				
/20.0- 171.0	Which Doube; largery median grand, stringt, fine and 100:00 granne proves ne proved locale; media to dark gray, personie solicipate quark cys throughout and very aboutled totally, finity todominate pagade " face that appends. 1200-122.5; totare grands, provisiont darge bluich quark cyss 1300-122.5; totare grands, provisiont darge bluich quark cyss 1.000-122.5; totare grands, provisiont darge bluich quark cyss 1.000-122.5; totare grands, provisiont darge bluich quark cyss 1.000-122.5; totare grandel provisional provide (1-2"%). 1.000-120.6; face grandel prove down and provide (1-2"%). 1.000-120.6; face grandel prove down and provide (1-2"%). 1.000-157.0; face grandel prove down grands, cyss with somewald repo, steering @ 135.0'; 60-65= 20 CA. 1.57.0: 157.0; ibundant large bluich grands, cyss with somewald repo, steering @ 135.0'; 60-65= 20 CA. 1.57.0: 157.0; ibundant large bluich grands, cyss with somewald repo, steering @ 135.0'; 60-65= 20 CA. 1.60.5-1.70.0; Case Missins DENISHELY SAMPLED FUE ASSAY 1.00.0-1.71.0; new fine granice, and followlae, chilowlae followlae @ 20-25.0 to 0.4. isomewalk of 20-25.0 to 0.4. isomewalk of grande; prove granded way pressed isomewalk of grande; they course granded way pressed 2.000 for grande; they course granded way pressed 2.000 for 3' Wigned of Stard to walk of a produce down								
	(2) 182 0- 1880: file granica besse videcure? ") with county with miliner a longrouphy who, shap from retact at Bo-go to C.A END OF HILE & 2000'								

SHEET NUMBER		Bonnewices and it homes Townships	<b>п</b>	JLE NO	/16			
	1 3 '	SECTION FROM 0+039 WW TO		STA	RTED	March 146	n	
	8911	DATUM No. 3 vin system	*	CO	MPLETED _	Mark 1982		
DEPARTURE	71001	BEARING 200*				PTH		
ELEVATION	2985.18	DIP Collon				DEPTH		
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S		
ð - 7.0'	inome						+	
7.0- 27.0.	Brandicate: median I rae nessorie with	to cark gray, fine to redien granich Total folisted intenses. divite in places.						
270 50.0	- Orantice Interior me	a foliated at 65-70° to core arels						
50.0- SI.2'	- Quarty sin- milly whe	our, fist into little Maration e. Abonda d association chlorite, no pper ontact sharp @ 10°; lonva @						
51.2 - 745	Orante provotivile ;	so pa 270.500. Moveres the						
74.5 - 106.0	A grander to sutto	i que is harderegne by oitness the sais soute quarty link, soon doits intels we sharp to gradational inters as the hight precedent is and bluich quarty ago						
<u>/04.0- 117.5</u>	brandiente course que	much to my come porrid such to						

Relayed 25/7/63

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Don Hey

	PROPERTY	HOLE No						
SHEET NUMBER	2 of 3 SECTION FROMTO		ST	ARTED				
ATITUDE	DATUM		со	MPLETED _				
DEPARTURE	BEARING		ULTIMATE DEPTH					
LEVATION	DIP			OPOSED DI	EPTH			
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
	@ 1205 - 1730'; redin granies, folgilal interval, prominint							
	Marte , Strangy tendoper foliata at 60-70° to C.A. 01225	: salethe Volt	e 65 +	CA.				
	123.0" 132.0 ; course to very course grand large black quality							
	upp, remenses bull choung the carbonate realits & 50-60"							
	1320-1330; lovermost fort is strongly foliated with doundard							
	contrate, proter ' calente studes truck of 60-70° to C.A.							
	abridant Alorite							
133.0 289.01	Illowed Davis; largely fine the redum gramith, Alouter,							
	gres of secondate situicos motoust interny large bluick							
	quarty upo, noturale to drong intendenten alteration.					ļ		
	remences namor value somely mare of findly deserverated							
	ande vous grand phases ne kranaliant who fin allace denotes							
	175.0. 177.0; Joliaica, butite chloude rich och, filiation C							
	So to creates strage altractive starp upper							
	intact Q 55°							
	178.0; quarks our (1"), at 60° the cove intonio finely	15151	177.5-178.7	1.21	TION			
	estarende deleggite & parta							
	1787- 1800: storge fleated a 40.50° to see one discon.							
	delingente à registe							
	d'her 120. Carporalization in more internes							
	@ 1905 1915; quary scringes with fini pyro " chalospyrate. + chtanier from 1982 dudy doto	15152	10.5-141.5	1.0	Trace.			

	PROPERTY		HOLE No							
SHEET NUMBER	3 of 3	SECTION FROMTO		STA	RTED					
		DATUM		CON	MPLETED					
DEPARTURE		BEARING		ULT	IMATE DE	PTH				
ELEVATION		DIP		PRC	POSED D	EPTH	~			
DEPTH FEET		FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$				
	_ and papeter		16153	204.5-704.0	1.5	7.000				
	manne,									
	11- 254.0. 248.0;	ind fracturing at 200 to some sops. regely come france cllower asside. pluce								
	Islatty-	se provinsit, aboutant deloite, displays local								
	+ @ 776.5 ; suc	ty cin. (1") it 450 to core and Incraphile " pyrda	15154	276.5.27.8	0.3	0.575				
	willing the	licpapite : pyide		· .						
		END OF JUE @ 289.0'								
<u>Barray (and and and and and and and and and and </u>								╞──┼╸		
								<b>├</b> ──- <b>├</b>		
							+			
							-			

1'

SHEET NUMBER_	PROPERTY	÷			RTED					
	28909					APLETED _	Marsh 19	8-2		
	70999		<i></i>		ULTIMATE DEPTH3/0					
ELEVATION	2984.58	DIP			PRC	POSED DI	EPTH			
DEPTH FEET		FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
0 - 6.5'	soing							-		
(.5 · 23 U		nition grand, maining words	loud,							
		Juy. Insily chlosite.								
		folkelin, bisch rich internal								
330- 650	and the second sec	"our grand massive first with	little					+		
		hight grey in solorn, alalady a								
	roppon in lait at 50	· · · · · ·					<b></b>			
		te plan, very is a granied, em	cha							
	pontest in sh	· · ·								
	64.0- (5 0; Jup	othere place, to ge bluich practice	ngo.							
65.0 - 68.0		a petent your sacaterized by she						· ·		
		. Mininel palty quarty & soughts								
	tino abudant 200	eccilor data chlorel, 10 pisible 1	windyctor					<u> </u>		
		5.6': 50°, 67.0', 50-55° to a	e safes							
		gre @ (5°, inno, st 35-40".		·		_,_,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
68.0- 83.0		to gety course granid & measure, 1						+		
		when to water a planter retain is	Ľ				······································			
		a it large duich quarty upon T	are			<u> </u>		+		
	Assoninated Sulphia	111 :		: 						

	PROPERTY			HOLE No						
SHEET NUMBER	z # 3	SECTION FROM	TO		STA	RTED				
LATITUDE		DATUM		COMPLETED						
DEPARTURE		BEARING	- 100		ULT	IMATE DEI	РТН			
ELEVATION		DIP			PRC	POSED DE	EPTH			
DEPTH FEET	FORMATION			SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		<u> </u>	
	the walts in the starp I transitional is they the mit plainab rasociates with this dier 153.0 - is in an attack site high attack decide,	lisite units not nor filier parets Stepter locally interday subifile starts, moderate to intera con remans calete walls, cray to gas he colored breception, pick gra was don't, prominent bluich ge are brock with	ler megner matigatan the sunaraly site whe frequents und frequents							
22.0 151.5	Aussing before to	(1.2 %). E ware pramid processive recasand the processing are a large are present writer the chloritypler.	relatory escente interal util							
151.5 189.0	Sterne granderite; patchen Sun life of Iscalle; I care p stread and for inter 31670'; gove of to	in tuet . - 10 com on pty de appearans, trey p gues is unit no way selector - connor disseminated payed : 161.5'; 60-63' 60 C.A. ately queets, do disable monoraly to- 'io man block in the moral	14.14							

	PROPERTY		но	DLE No				
SHEET NUMBER	3 of 3	SECTION FROMTO		STA	RTED	· · · · · · · · · · · · · · · · · · ·		
		DATUM		COI	MPLETED			
DEPARTURE		BEARING		ULT	IMATE DE	РТН		
		DIP		PRO	POSED D	EPTH		
DEPTH FEET		FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
189.0- 310.0'	Altera Droite; fine	to conce point moderate to stray						
	allevelter estrendy	aloutar, janular 15 Schidon in ratura.	ponosin	carbonatizat	M.			
*****	189.0. 198.0: includy	accassional bluish quary ups & brothe uch						
	Sutrop Carbono						+	
	118.0 - 2130 fine gro	mich and motically schools , folialise .						
		ounter 1 stringer vay aloritu						
<u>.</u>		5°, 2010' 55°-60°, 201': 45-70°			<u></u>		+	}
<u></u>	* 206.8. 200 0 ; mail y	marty sounger containing finity decommented vialion	agrile 15155	206.8-208.0	1.2'	Trace	-	<b> </b>
	1 pyrite , zon it	underget by shearing @ 45.60° to C.A.						}
		gerula, allerator not quite as interse					<b>_</b>	├
		Tens fin pressed gones					+	
		218.0.720; 60.75° to are ands					╉┦	
<u></u>		named, Monter riterral, resonantes a volcania	<u>د</u>				+	
<u></u>	retars finding dises						+!	
	investigation treast	ich as then 213.0-243.0, five granit						
<u></u>	- futon:	, storing at 20110, O serve					+	
<u>*************************************</u>	END	OF JOLU ( 315'						
		X				<u>+</u>		
			1				1	

+ obtamed time 1982 drilling data.

	PROPERTY	chester, Bennuis and	se homes Tourships	Но	DLE No	M-1	clotted n s	
HEET NUMBER	146	SECTION FRO	то		STA	RTED	March	
	29468	DATUM	No. 3 vin system	~	CO		March	1982
			200° ( 3 20° W)					
	169704				ULI	IMATE DEI	PTH5/	0.0
LEVATION	9994.71	DIP	-60° of collar.		PRC	POSED DE	PTH	
DEPTH FEET		FORMATION		SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
0-40	Carring							
4.0 - 32.0	David for g	and to very fine grained .	gart non to Wash,				- <u></u>	
		dille any of lower in			ļ			1
33 4 Fr.5		have and since although						
	_ Jaw 1 pt 10 1	-double allow the potender in	man and					
	grander a france of a	o which have we deplad	in the signer resulty					
	in sure shapeolog	1 marca para dester the	a when the a winds					
	in this significant in	made alte Alecter agrees to	in it locally					++
	(337.5 - mail p.	and light their interior	2 35.40° to are					<u> </u>
	C -30: 10/0/0 10	1 man of 40.45 & are, min	they ideal Cartada					╉───╉
	2 49.0 - 49.2 - 2	1 and qualic life two ay	a adart a 80° gradelar	ł				++
	inne + teste							╂}
		and the star and a second						++
		in a formed that ge	et av. & paint					++
		the proventes	······································					++
<u>- 2015 - 5210</u> -		pariel to alter perso					<u></u>	++
	1	1 privanta 1000 - 300						
· = 0 · /9: 1		and the states		<u> </u>				++
		most restard						++
		1 with I degetter hall		t			·····	++

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	PROPERTY	••••••••••••••••••••••••••••••••••••••	Н	OLE No							
SHEET NUMBER_	2 of C	SECTION FROM	то	_ STA	RTED						
		DATUM		COI	APLETED _						
DEPARTURE		BEARING		_ ULT	IMATE DE	РТН					
		DIP		PROPOSED DEPTH							
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S					
	Q 43' 2 11 10 202.	ind show @ 30-40 to me the Merlie my									
139.0 - 203 0	,	y fore to replace grand & setustax a	· ·								
	1	white colicile gates and productor and									
		to saver abjection provide a traducion			111 H. Japo III.						
	marty mer, there in "	1521 For & Ferry 5 reconstance with whethe	tentit.								
	an propriation and	In fratton planes.									
	fotation & strong; as	My to recorded todaped 2 n 40.50°									
	* 2 4/5-142.0 . Ja X.	ger tratete Stanto with fig. in Febra Febra	#15179	191.5-192.0	1.5'	. 002					
		Jung Harrys	+15180	196.5-197.5	1.0'	.026					
	Q 200 5 203 19 1 11	sporans to be prai silvers that sul	philes 19592	194.0- M1.5	2.51	Tioce					
		/	19593	192.0 - 1965	4.5'	trace					
			19594	1925-2000	2.5	.002					
			19595	260 9-268.9	3?	4000					
203.0- 2.54.0	Duite: Sty	The yound, relatively mattered tops p	e								
	longely at the by	general qual gradie the dylas i tacke	well								
		The Marine and my the higher will									
		on y the anit.		2510-2540	3.:	11019					
2540 - 2350	Durally Vin 1 2012	e the white primit the file	inda 19597	25422560		Arace					
	March Hat 13	white a strate alaber for the gran	24,								
	y 151 12										
			120.2 1.1			L					

. •

SHEET NUMBER       3 of 6       SECTION FROM       TO         LATITUDE       DATUM       DATUM       DATUM         DEPARTURE       BEARING       DIP         ELEVATION       DIP       Sample No.         DEPTH FEET       FORMATION       Sample No.         235.0-257.5'       March Drock ; rudion- granich, informe alleration as audiogra by 19598	_ CO _ UL1 _ PR(	MPLETED	EPTH DEPTH GOLD \$		
DEPARTURE         BEARING           ELEVATION         DIP           DEPTH FEET         F O R M A T I O N	UL1 PRC WIDTH OF SAMPLE	GOLD S	EPTH DEPTH SLUDGE GOLD \$		
ELEVATION         DIP           DEPTH FEET         F O R M A T I O N             SAMPLE NO.	_ PR(	GOLD S	DEPTH		
DEPTH FEET FORMATION SAMPLE NO.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$		
	OF SAMPLE	-	GOLD \$		T
255.0- 257.5' Altera Dorte; ruling granice, betwee alleration as widing by 19598	2,55,0-2575	2.5	Have		
				<u> </u>	
- edutionally interviewel, or visible menoralization					
257.5- 2580 Suarty wir: rasine, noty white, vo visible meneralization, 19599	257.5-2580	0.5'			
trans inequiter it larto					
259.0-261.0 Alloun breiter, reduce to crain trained, a source Struck gtg 19600	2580-261.0	3.0	.142		
- into the day promised paloty solute, i dusty allered					
totation a 251'; to' gradalicial with condending unit.					
- 261.0 - 273 5 Divite; May redim- france i masine malland, hight				+	
froiterry					+
273.5 - 285.5' Dechase; the granice to reg fin granid, black passing				· ·	
Lap angula noon y but, they dilled here contact @ 40.450					
2855 SILO Mante Loging rection to coase gaved. Sight strates				+	
- is ulting from intreson & assendation of randicities - alasticte				+	+
- Julies to a contenting with a contraction reducte was lits.					-+-
12 223 (1- 302.5; rais grand clastille life promist. Bluch			-		
prady the padational appendentact house contact forly shop a				+	-+-
54.0-3155 Her Letter, la gely and in grande, Ilisitie where alloge 19601	34.0-315.c	15			
mainst alute goods & souldby mine inters is assounded		1			
with alite: in picuous blue jus of ups of polotos		1	·····		

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	PROPERTY	HOLE No						
SHEET NUMBER	4 of 6 SECTION FROMTO		STA	RTED				
LATITUDE	DATUM	···· •• • • • • • • • • • • • • • • • •	CON					
DEPARTURE	BEARING		ULT	IMATE DE	РТН			
ELEVATION	DIP	PROPOSED DEPTH						
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
315.5. 3240	Distase; very five granica to five granica, chilled upper "							
37410: 337.0	2315.5-3170: Araven parland gos. Altered Desite: five to redim granid, foliaten developed.	19602	374,0.377.0	3. D	. 00 Z			
	alloiston maludes cartonation and deloidyalen butite is developed	19603	327.0-330.0	3.0	.018			
	lically sectore a spiral dentation, some dout carlouste versit returks	19604	330.0-333.0 333.0-337.0	3. 0	-1012			
	foliation & 50.70° & 3740' @ 3770': 60-75° @ 378.0': 70-80' Kaseminated & Folo decision throughout 'in whate pointeds. Juseminated subplieds digited with the foliation	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		· · · · · · · · · · · · · · · · · · ·				
3370- 365.0	Disite: 10 py redien granid, vy suget ellevely, contains trave summand substances intuided by navers granter dykes.							
345.0 - 340.0	Interserve alteration gos; the gree so discontinge by promities sypes I borlies actualing and accountering northern allow stands. Left gos meters reasons mail great wind, I adopt a menters and is should and produced in places, Strick greater upot alcodures into souther with a menter of places, Strick greater upot alcodures into souther with a menters, heavy fractiony locally, guarty is a local was a menters, heavy fractiony locally, a 3076' for a words with and alwaring a 40-415' to see	· · ·						
3400 3965';	Altered "raile of bridge allered deville" and, schicker, about	19606 19607	370.0 · 34 3.0 343.0 · 346.5	3.0 3.5	,572. 500,			

	PROPERTY			но	DLE No		-			
SHEET NUMBER	5 16	SECTION FROM	TO		STA	RTED				
	,	DATUM	117-777-statue - to de st anno 1999	1	COM					
DEPARTURE	BEARING			ULTIMATE DEPTH						
ELEVATION	DIP			PROPOSED DEPTH						
DEPTH FEET		FORMATION	:	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S			
	apprentice strongen t	(2-5'A) ic, 3 marin desseminated artess "	F= 5= (21%)	·····			·····			
	foliala. " straing n	labuly I vlow & ~ 20-30 to	cou aska							
396.5 - 3980		provide port & macoine, stay								
398.0- 420.0	1	edational lover southed into indulying								
		L & grandie granominic in 200								
420.0- 474.0	Bano Style May	ourse granied bedly fractured ,	stlitude				· · · · · · · · · · · · · · · · · · ·			
474.0- 434 0		tion to course granie Surfice	es a							
		diler with granistic into.		<del>14.8-1-1.7</del>			}			
		"The ward with Sugar inter grange								
434.0 - 454.0		pand to very inece grand, a		19608	436.0-438.0	7.0	.010			
		Such mary 11/2, Sharp upper		19601	440.0-441.0	1.0	.014			
	,	heavy frastering ,		······						
		@ 3.50 to core, stringer Su FeS2								
	Q 441.0 5 2141	in a 30-40° descripted in Fel	2						<b> </b>	
	then low on	lact 230°								
454.0. 465.0	/	warse granes, locally stress		19610	462.0-465,0	3.0	,002			
		4. Gotto rece ges, tilida @ 20°, pyr	te cubes.	·····		·				

	PROPERTY		HOLE No.					
SHEET NUMBER.	6,f	SECTION FROMTO_		STA	RTED			
LATITUDE		DATUM		CO				
DEPARTURE		BEARING		ULT	IMATE DE	РТН	88. 11. 181. 19. 19. 19. 19. 19. 19. 19. 19. 19. 1	
ELEVATION		DIP		. PRC	POSED DI	EPTH		
DEPTH FEET	FO	RMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$		
	@ 464.0.415.0. Scottle development	Provinced allocation you for underland suppliede						
464.0- 484.0		se grand, ruscie amalles						
		mit, brits jun, altrea heatan.						
UB9.0 - 5A 0'	Intronice alteration good george	divite. withouts between amiles are						
	y devides promised bluist	guart, upo. prosting iterducen quart, upo. prosting iterducen rich in Feb2 (2-5°b), desulie						
· · · · · · · · · · · · · · · · · · ·	ert an Alerter + into ates							
	END jr	lig:E @ 519.0'						
						· · · · · · · · · · · · · · · · · · ·		
				]				

	PROPERTY		,		OLE NU		14 3.	20 wm
	5		МТО		51A	RIEU		
ATITUDE	9206	DATUM	No 3 Van System		COI	MPLETED .	April 1982	<u></u>
DEPARTURE	69740	BEARING	020° (N20°E)		_ ULT	IMATE DE	PTH	<u>, '</u>
	958,88.	DIP	-45° at collar.		_ PRC	POSED D	EPTH	
DEPTH FEET		FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S	
0 - 7.0								
7.0- 8.9	Diction digte; very for	e second to love seco	with dark she to			······································	+	
	Stark, chiles love in	· · · ·		· · · · · ·				
	busture very trans	· · · · · · · · · · · · · · · · · · ·	, ,					
18.8- 23.0	Divide ; the grand,							
	I they orlan to while							
	trace to in disconvert	1		19515	20.0-23.0	3.0	+181e	
¥ 23.0- 25.7	Section of the second			¥ 15181	23.0-23.9	5.9	. 5.39	
23.7. 560	Defice in described			19516	23.9.27.0	3.1	.004	
	23.9- 7.6' 201 2							
	time to unite the							
	a 280's Sand dua	· · · · · · · · · · · · · · · · · · ·						
_	with stress							
	\$ 34,0- 53.00 in 19 19	a hotope through a contract	with underlying sight.	14517	\$4.0-57.0	3, 0	trace	
56.0 - 25.5	Bran to get to uplate this	of private to some of an	A. Saine led	19518	37.0-60	3.0'	true	
	is alloade they sta	n altrest @ 75° to in	1 Martin Strongy sulphilles (	~")				
	0 56.0; 31 1 Antion	ogets scientister with	the instact you					
	(+ 60.0-84,6) free 199	in add a place of its	lacus.					
	Terre a contraction	, 					<u> </u>	
15.5 14.0	Disite viding to	rea grand, masi	re and unablace	19519	420.440	2.0'	Line	
	wally folioted, very	light prollering joursen.	rand tinds addies a	le.				

	PROPERTY	но	DLE No						
SHEET NUMBER	z .1 5 SECTION FROMTO		STA	RTED					
LATITUDE	DATUM		CON	IPLETED					
DEPARTURE	BEARING		ULT	PTH					
ELEVATION	DIP	PROPOSED DEPTH							
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	1			
94.0- 96.5	Grantle grandicke light very source grander a varier, sharp	19520	94.0 - 96.6	2.6	. 004	-			
	upon and lever white @ 75° \$ 81° respecting, more deservised	19521	96.6- 98.D	, 4,	tiace				
	appile and synt the required with what goes.								
96.6 "80	Deriz as dere del tita collie de mars paris allatury						<b> </b>		
	in alloid.						J		
	\$ 130 80, say alteration with which grand premient shuch								
	justy up some saturdan & allos sites aling remon string					+			
	agrit 12								
"3.0- 120.0	Diebase ests; Bulla we go at intent day fine promit to	× 15182	114.0-120.0	1.0'	. 005				
	my fire parte . day appen with a 30' & are								
	C 11910', 2" alate the a little fine agrice & quarty								
120.2- 128.0'	Nove Double these, adding planted, tak put in colon .	19522	1200-1230	3,01	.002		├		
<u></u>	very in the related decard internalized , firey descriminated	19523	123.0. 260	3.0/	.002		┟───┨──		
	adjuting spread throughout ontered digit foration	19524	1260 - 128.0	201	,010	+	<b> </b>		
	to it it's in the facture & strand, Stalie.					+	<b> </b>		
128.0- 140.01	Tricks, ally reduce to cause paired inde	19525	122 0 131a	3.0'	.002	- <b> </b>			
<u></u>	and that which by south and adde after a sugar that								
	- excepted to a million (1992)								
	2 Ers and 1 15 Black yig Astron the work the								
	no strap inticts		ļ						
140 0-143 0	Debase syls: my fire gravier, black, they strang upper + from	<u> </u>							

 $d_{1}^{2} = 0$ 

and a construction of the supervised of the descent screeks received the scale descent and back and the descent region

144 - Anna 144 - 1

	PROPERTY					HOLE No					
SHEET NUMBER	3 at 5	SECTION FROM	TO		STA	RTED					
LATITUDE		DATUM			CO	MPLETED _					
DEPARTURE		BEARING			ULT	IMATE DE	PTH				
ELEVATION					PROPOSED DEPTH						
DEPTH FEET		FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$				
	at 50° + 40' respection	4	- See - Long - L								
143.0- 167.5	Abusing gov; Divite and		Grudae	19526	1430- 14.0	5.0	.002				
	24 Morrison coard Jeanise	/		19527	146.0-149.0	3 0	trace				
	to relating starp. prenunsia	U C	<i>(</i> .	19578	149.0-152.0	3.0	+10.6				
	entradience by granity distor.			19529	157.0-1350	3, 0	,010				
	disaminated subplisher present	in both divits and grand	te boolies.	19530	155.0+158.0	3,0	41012				
	@ 1430 - 147.0; 144.00 grained	•		19531	158.0- 1610	3.0	,002		<b> </b>		
	70 '	{		19532	140-164.0	30	Have				
••••••••••••••••••••••••••••••••••••••	@ 150. 40; widin to 1000	give d. draite folialer is 53	5°, valaro	19533	164.0-167.5	3.5	.002				
	1 3. 18 experiable the	,									
••••••••••••••••••••••••••••••••••••••	estate ventito i small	yron the lights . @ 154.0: Interpy	in durge			·····					
	a 150 of 158 5 your grand	glarite site in product	R 50'								
	larray at 80"										
	@ 1585 - 1900; days to 1200	grained traite and quarty tion	6, perta								
·		and sail of them of	-								
		weite ups, your of bortes ,									
	na experiet to ally per	a to argunale strays of	porchitica								
	with and tracking that the										
17.5 17.4	* transferrate to sin with	Tolicende : 1 egolitte		* 15183	125-179	3.4	506				
	Quest Digits while alles	,	atival	19 534	. 679 - 171.0	31	.002		<b> </b>		
	which with underlying i	· · ·		11535	1710- 1740	3.0	.002				

	PROPERTY	Н	DLE No			
SHEET NUMBER	<u>4 1/6</u> SECTION FROMTO		STA	RTED		
LATITUDE	DATUM		CON	APLETED .		
DEPARTURE	BEARING	·	PTH			
ELEVATION	DIP	· · · · · · · · · · · · · · · · · · ·				
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$	
176.0 - 241.5	Dissiste redum to wars plined. In gly willtown,					
	. Whend south all der gow an proord, fail pliatens in					
	Ascende a vs. vin descripter they pychitate					
	@1780-1710, my race grained & silveras, sponsibles fis paldes	19536	174,0-17170	3.0'	have	
	of Intraister, marine blind prate ups.					
	@ 1933 - 132, 5's gri all dealese refer, any fil gravies with interest					
	Ibistite estimation than 1992 intere @ 45 love & 301					
<u></u>	a 207.0- 2080: Small Stray and recomplaying abbaile Marching you ?					
•	C 2 30 5. 231.0' mol quanta life, sharp contails at 80°					<u>.</u>
<u> </u>	Lyske is predalied into underlying stores emit.					
241.5- 247.6	alara Droide, redim to course, promio, dack green, locally	14537	241,5-244.5	30	.002	
	riplays a schiclas between ocally general um dart carbonale	19538	244.5- 247.0	2.5	.004	
	really & god is with associated destriveded subplaces, twally					
	siturfield with golding judity					
	@ 2465. thear an deary @ 30' stronge desconquite related					
	te dure.					
+ 247.0 - 248.2	Ober to this may well morenalized with I drowy to and sprite	+ ·5 ·34	247.0-2482	1.2	4°, ر	
	allow the to a los above quette when	19539	241.22510	28	,104	
	Carron 1963; dear journe draing @ 35°, schiotan mill	19540	251.0.254.0	3.0	.00 Z	
	surface blicker resident with strong policy colicle & arrister suppliede.					

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#### DIAMOND D. OLL RECORD

	PROPERTY	HOLE No							
SHEET NUMBER	5 of 5 SECTION FROMTO		STA	ARTED					
LATITUDE	DATUM		co	MPLETED					
DEPARTURE	BEARING								
	DIP	PROPOSED DEPTH							
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S				
	@ 253.0. 2540" Olar ages, folloter " stearing manidest at 25.30",								
	abistion and very planter, planta collecte contrinue terres.								
254.0 - Etco	Desite largely wellion gravied highly allow, some updoligater								
	ory the astronate works of ventil istants. I are to main ps.								
	6785- 1919 Fordat warm grand, unde silicons, one of a	19541	2790-281 0	3.0	.002				
·	justy kindle place where pitch @ 2803 oppsicable	19542	281.0.284.0	3,0	,002				
Z 86.0. 350	Desite: logy under grant slight allighter, manly epidolighter	19543	284.0-784 0	2.0	trace				
	of plassicus, Maitaly, promised Speaker & 788 - 50° 200'- 55' travise Duck goarty up								
5150-375	Q 30 0 roly failured gove provide grand and provide provide provide provide the provide grand provide provide provide provide a set of the case					++			
317.5 - 32 1.0	altered Dreits; fre to course growed, introduption to	9544	377.5 <b>-32</b> 1.	25'	.002				
	Laute 11 rate what black a 2183 - 86° to low								
321.0- 327 J	Derection is also, Weighter upper intact								
	END OF HILE Q 372.0'								

	_	Astr, Bennuis & St.		(detha an selia -						
SHEET NUMBER_	1 75	SECTION FROM	SECTION FROMTO			STARTED				
	29204     DATUM     No. 3 ven septem       69739     BEARING     020° (N 20°E)									
DEPARTURE										
ELEVATION	2959.67		DIP65° @ alla							
DEPTH FEET		FORMATION	<u></u>		SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	T	
0-10.0'	insu's	~	· <u> </u>							
13.0 - 230		very bradley finationer fine	gaine.	lotest les	1			-	1	
		on proposite passif insus								
	6 50'									
2 8.6+ 74.0	Disite: redien to	where grand in trily	1 come , A	my stight						
	studes while induces south of progetters such for is			19545	18.0.21.0	3.4	trace			
	1	to vier exclusive	/		19546	21.0-24.0	5.0	,008		
× 243-24.5	Quelly yes 1	land with A deopyite	n seto po	so to care	* 3185	24,0-24.5	0.5	2.0,6	_	
		·			19547	245-28	3.5	500,		
24.5-29.2	Trolling dor.	Seef the see			* 15 20 3	28.3-212	· 2.	,006		
× 21.2 - 30.5	Quanty Vening marine	light with fire previou	Latiopyil	e é dans	* 15186	21.2-32.5	7-3	. 172		
	syste rate a								· · · · · · · · · · · · · · · · · · ·	
<u> </u>	Links - me	with a set of the			14548	36.5- 33.3	2.5	, 002		
02.0 - 52.0	Conta solde ye	L			¥15.204	12,0.72 0	. 3	-7.	┇	
<u>?2.5- 756</u>		d news, many	1.41	-obe						
	to its it way the	1 1 Aging mit	······································		19549	72.0-75.0	5.0	trace	┇	
75.2- 31.0	At a contar p	- my ration granich	to the all	gel the second	11,550	75.0- 17:	<u>8.</u> 2	dia: e	╂	
	tille to de the	Signa Studies to man	tast	ya is	=351	729-20	215	, 010	<b></b>	
	- land a 22 a state solder " i'm sidelets of the dates			~ J.705	80-5-87-0 -	55	-15	<u> </u>		
	1 a strate to Bar	<u>y</u>								
81.0- 81.5	Quarter print; maria	by with five deleopyrite			# 15197	81.0 - 31.5	0.5	,116		

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# DIAMOND D. OLL RECORD

ու համարակում է հայտարարը, է հետ ու ենչ մասնակություն ամանահացրումները հատուրար լանահանանակությունը էրը դութար Դ

	PROPERTY	H(	DLE No			
SHEET NUMBER.	2 # 5 SECTION FROMTO		STA	RTED		
LATITUDE	DATUM		CON	APLETED		
DEPARTURE	BEARING		ULT	IMATE DE	PTH	
ELEVATION	DIP	<u></u>	PRC	POSED D	EPTH	
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$	
¥ 81.5-96.0°	Diriche, names granded an elitred	\$15206	81.5-86.5	5.0	Tr.	
		*15207	86.5-91.5	5,0	11.	
		*16208	91.5-96.0	4.5	, 012	
* 96.0- 97.5'	Acrosty Viri, 14" your to no 2" patchy guarty interving	+15188	46.0-47.5	1.5	44	
	about it to be to be to reindy the will gold					
r 77.5- 41.0	Durite in a send allating in denia	+ 15209	97.5-100.5	3.0	. 002	
	tranter aplite the law interest starp e 35°	* 15210	100-5-145.5	5.0	Tr.	
105.0 - 12.4.0	Divile, tay you to date when to one yearing massing	19552	105.5-108.0	2,5	tiple	
	and wond there was directed of supplitude & allerater of playering					
	to quedole, and foliday sections a strate trally, toral				ļ	
	mail strong i toleaters intany tour to mina Fe S Festin Fess					
129.0- 137.0	Scheefed with the to reduce a mill appointed on appropria					
	light to will gig , togethered works , meant that way					
	while with lace to min subside , where dirates					
	which strong & Istate Of 300	415211	36.0-13 7.0'	)	.NZ	
	Q 1360 . The give any con					
137.0 -172.0	Solo we deale open is well to to activity by sparse	14553	137.0-140.0	5.0	frace	
	grand the soft was graine by set white here and	19594	120,0-143,0	3.0	time	
	the contraction office allocation and the marker allo	19555	11:3 -136 5	3 0	.016	
	atives " studying catego bottom mily are sharp the graduation	19556	162-124.0	3. 0	,002	
	pina to apprecious sulphiles are associated with the coloris.	19557	149.0-1520	3.0	trace	

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	PROPERTY			OLE No				
SHEET NUMBER	3 07 5	SECTION FROMTO_		STA	RTED		-	
LATITUDE		DATUM		CON	APLETED .			
DEPARTURE		BEARING		ULT	IMATE DE	РТН		
ELEVATION		DIP		_ PRC	POSED D	EPTH		
DEPTH FEET		FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$		
	1376- 153.5; Iltore du	ite, median to cost & primed, moderably to calosely	19558	1320-1550	3 0	. 004		
		new bluish friend up. provid dially	19559	155.0-1580	3.0	trace		
	ite & 1470-148.0'		14560	158.0-101.0	3.0	trace		
	1	and grand grande grans have stays	14541	1612-164.0	3.0	trace		
		gedatoral form intact.	14 562	1640-1870	3.0	trace		
	11	rear graval that will prove sites from	14563	:07 . 1720	50	Hace		
	Sugerties	· · · · · · · · · · · · · · · · · · ·			···			
	105-155; 20 3 901	al ponte - quantite, scally dieter days						
		65° l'induse pres part						
	145.5 . 168. " . Miden to	the grand stand tisils, outor Malon						<b></b>
<u></u>	product of plague	int					ļ	
		will grandevite stay sugar which of 70°						
	Bridgeter lover to						<u>_</u>	
172 0 -221.6	Derite and the	ward your a day the had deeped						
	to all also of all we	in the speciete, a hursd is providents						
	whe both i traite	It alland A lite contacts of these lights Admits	1 0 45.50					
	6. 703. Star and Street	@ 31 2 cre. 1						
<u></u>	2575 - 2433 - 100 30	" at it you the light ships a lot						<b>  </b>
	R 26°, pretarial to a							
<b></b>	211.8- 212.5 Jung	the grandfield in about appending the					<b>_</b>	┠───┣──
	Q US. Lener C					<u> </u>	<u> </u>	

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	PROPERTY		OLE No				
SHEET NUMBER	<u>4 # 5</u> SECTION FROMTO		STA	RTED			
	DATUM			MPLETED			
DEPARTURE	BEARING			IMATE DE	PTH		
ELEVATION	DIP		_ PRC	POSED D	EPTH		
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$		T
<b></b>	181.0-185.0; bank grand grand decrite et are						+-
221.6- 227.0	"When Desite; media to course gland, when aligh,	19564	2216-2240	z,4	traie		
	dended the continue verility opposite the strong	19565	224.0-2770	30	41400		
	syndistle						
2770 - 231.0	Braile grounderite; warse yeared marine from school	19566	227.0-2300	3,0	trace		
	upper a tool , it a fact mark with we do lying highe						
23.0 236.0	Dealers the black very for grance, child margin,						
,	approved any stop at 110° town ortest stop &			 			
	25'						
2=6.0 3246	Dro de querte provite orden to coarse grand relatedy						$\downarrow$
	undtend upper houser west folgolen wordspech 40-50'						
	02366- 2380, relicon are un discrimpler chalcoppeter	14567	236.5-228.0	-5	trace	·	
	* @ 2.58 0 128.7 quare min material with dial spale + syste	115/84	2783-2787	0.7	.2.5		
	e 246.5- still it say gove @ Her is the	#15 191	210.0-2712	0.Z	,005		
	6 274 & 1 apprile with systellate strong the stran & 25 to	19588	2-45-2700	2.5	.010		
	ine	+ 15172	318.0- 518.3	0.3	-085		
	0320 with there out and a 430						
329.6- 331.0	Dalan de very fre grande Sick, march where addie			•			
	life, and the milets, upper 3 25 lander of 35°						
2310-357.0	Dente allen to course granice provider following 2 45-55"	15193	\$35-355.8	.8	.205		$\perp$
	desid depict of plaquolan lother						

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and a second 
	PROPERTY		Но	OLE No	······································		
SHEET NUMBER	5 4 5	SECTION FROM	то	STA	RTED		 
LATITUDE		DATUM		CON	IPLETED _		 
DEPARTURE		BEARING		ULT	IMATE DEI	PTH	 
ELEVATION		DIP		PRO	POSED D	EPTH	 
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
	@ 325.0-327.0; Marshy,	is branchard with an optile of	910mute 19569	375.8-3270	/12	trace	
337.0 - \$68.0	syte bole , pille	a grand to fir grand o ( aign el upper contact st (af d'aller sigle (- 20.76%) OE Hare @ 308 6	Ap Virgales				

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<u>د ک</u>

	PROPERTY	tor Bonnenics and A. I cours -	, ,		DLE No	19 1Z	wholy Pol	ter in
EET NUMBER_	<u> </u>	SECTION FROM 1 + 310 WN	N		STA	RTED	pertudy place 13	L. (1W 01
TITUDE2°	195	DATUM Vo. 3 va	in system		CON	APLETED _	April 1	982
PARTURE 16	2740	BEARING 200° (5	20°W)		ULT	IMATE DE	PTH	8'
EVATION	957.59	$ DIP +2 \cdot + coll$	br			POSED DI		
DEPTH FEET		FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
0 - 10.0'	20mg			· · · · · · · · · · · · · · · · · · ·				
10.0 - 300	Diabase cipto, liv g	mind to very for grand passive to	d. que					
	to sinch storing of	hacturing during larren wargin, we	in stap					
	Ima contait & 20.35							
30.0- 360	Danot conta 1000000,	grand to very card prairies in	essin					
<u></u>	light my to parts	godalized form and will	underles : 4					
	unit							
-30- 312	,	ree grand presser + Stuch						
	we allow in anote	at of the store with approvable a						. 
	* @ 37.0. 212 polate	the the syst porting		5194	37.0-39.2	2.2	True	
40.2- 43.0	Mar Build i ser-	a granice slight alteration, rainly	pulot.					
	India & Daystand							ļ
+ 45.0 4.0	iding und contact pr	about Store. Les lige ma la gr	o store 1	× 151.15	430-44.0	/ 0	2+ <sub>2</sub>	
220- 540		ally reduce to rease granid, no						
	/	return action with thear	1					
	dury tous to	prins interpret. service/200 with	alto, etc					
	ien the							
		I setter my los the prost and	···· · · · · · · · · · · · · · · · · ·	( 15/24	52.0:54.0	2.0'	France	
	the terms					<u> </u>		
54.0 - 194.5'	My help after to	togese granied, displays plate lept locally, where setters are del unger confect storp @ 300	-4					 
	weak Maration 14	lept locally, where section one chil	alight					<u> </u>

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	PROPERTY		H(	OLE No				
HEET NUMBER	= of 4	SECTION FROM	TO	STA	RTED			
ATITUDE		DATUM		CO	MPLETED			
				-			ý	
					ULTIMATE DEPTH			
LEVATION		DIP	·····	PRC	DPOSED D	EPTH		
DEPTH FEET		FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	and the three with	to reality when to their collabilities						
	700-72.0; 232	of politing questo Algebra and the star	, 19578	70.0-72.0'	2.01	HIALE	ļļ	
	o provide me	valgetter						
	3 885- 81.5 ; MA	a getained Alexter alteration goe mail	ealerte 19579	38.0-10 C	2.0.1	trae	<b>│</b> ∳│	
		in Juston, Ful substitutes.					?	
		50% quary & dalo ajuta	*15147	113.0-126.0	3.0'	There		
<u></u>	* @ 1080', so ste		* 151-8	1060-109.0		. 002		
		at & visin I desprite	* :749	118.0-1185	0.5'	2 CL516		
		ing the sam is hales spite	* 15 200	125.5-126 5	: o'	. 002		
		All a filly existing that agold & p	4 15201 + 15202	158.0-1630	5.01			
		to your	+ /S2C2	155.0- 188.0		1562		
		an a serie an no mana					<u></u> <u></u> +}	
	All and the street on the	the plan pla taken agricine paracele.					┟╌┈╺╸┤	
-		the particular detection of the provider.						
1945-2910		to asse grand plating desited					<u> </u>	
		danindra alter to with to I a				1	<b></b>	
	· · · · · · · · · · · · · · · · · · ·	and the second						
		and the second sec				1		
		state the prise shit it. A.	sp. 11580	2380-2550	2,0	. 010	1	
		y with the case of daman decomination of					<b>*</b> ,	

	PROPERTY			НО	OLE No			
SHEET NUMBER	3 0 4	SECTION FROM	TO		STA	RTED		 
LATITUDE	·	DATUM			CON	APLETED _		
DEPARTURE		BEARING		·····	ULT	IMATE DE	РТН	 
ELEVATION		DIP			PRC	POSED DI	EPTH	 
DEPTH FEET	· · · · · · · · · · · · · · · · · · ·	FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
	\$ 268.5 - 270.0 1 15A	provide Martin watered lating	Aranp	195 <b>81</b>	2.48.5- 270 0	1.5	trace	
		no sames and buccater o	1					
	underly grandes	12						
		at same sponen equipionalon	relatively	19582	276.0-275.0	S.C	trace	
		a low print with warding a		19583	273.0.276.0	5.0	race	
•		a de the trans and the star		19584	276.3-27.1.0	E.S	trace	
		the state , part a filling of		19585	27-29-291.5	2.0	face	
		. All and to be stilled to						
271.5- 5-1.5		main whereastly these first first your	1	19586	218.0-301.0	3.0	trace	
		by generalist defest i small b	10 C	14587	30.0-3040	7.9	traie	
		heavy, even we and should		19588	304.0-30.70	ئ. 3	trace	
		requests one other win to		19587	307.0-5.00	3.0	.002	
<u></u>		mouster with Arnud one & all's		19590	3,122-313.2	<b>K</b> j	102	
	,	the good my his parses, 3		19591	213.0.5100	, <b>&lt;</b> ,	.004	
	and the second							
	Q Sout- MER Same	I you cally through sound a	ton of decta					
	and the second		<u>/</u>					
		the production of a score of	ele getter					
	4.4 1	· · · · · · · · · · · · · · · · · · ·	1.8.46%					
	mar day in							
	- 14, 1 306, 3 <sup>1</sup> 1 1 1	which altered secile , storile + prom	int spearts					

	PROPERTY	но	DLE No				t
SHEET NUMBER	<u> </u>		STA	RTED			
LATITUDE	DATUM		CO	MPLETED _			
DEPARTURE	BEARING		ULT	IMATE DE	РТН		
ELEVATION	DIP		PRC	POSED DE	EPTH		
DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
3198- 3660'	" These questioned with gabboo; dilled very fire private margin					<u> </u>	
	2 35° to as president with willing granice thereter gutting						
	lottly stead and reavily fractioned have the place to fine		-				
	@ 343.0 1 2 Sher yore full going & 45 to low.	·····					
	instite; a dim to save gravity light to lack						
	gray passing amounts the affler abound periles two						
	upper which it so to come provide that shirt make	-				÷+	
	1140 and the second the second to to the we	+				<u> </u>	
	3 start the list god trang to mit to see					╉╧╍╍╍╌╉	
	1 MD OF HAE & 418-0'					++	
					······································	· •	
and a second							
					·········	<b></b>	
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		DIAMONDD. 🖲LLR					
	PROPERTY	Inster Branche & st poins Township	He	OLE No	M 13		AN IS OF INV
SHEET NUMBER	1 07 5	SECTION FROMTO_		ST	ARTED	1pr.1 10/02	
	9078		Non	co	MPLETED .	April o	182
	69954			ULT	IMATE DE	PTH	108.01
ELEVATION	955.07	DIP		PR	OPOSED D	EPTH	
DEPTH FEET		FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$	
0 - 290	Casing						
Z 90 33.5	Mond Divite; Mide	- granded tak yey, slight foliation e					
······································		destantes - Levelopment of Surtele, duranualit	, 				
* 3.35- 38.5	So yet marily alex	of time sugrite in an asid a struct	# 15212	33.5-59 5	<i>5.0</i>	Tr.	
	shaper toite						· •
<u>,38.5 - 77 b</u>	Diete: Largely rea	in the most grander i man daste, supplying				••••••••••••••••••••••••••••••••••••••	
		int in tan vin 200 math illeration of an					
		alertes and consider as wait.					<u> </u>
	/	1. untits provint in the Maratic goes.		<u> </u>			
	For dias Calif 5°	Bur I warent jusch rains stating it	40845	B the First	21 - 1.1 	tione	· · ·
	- propositionales	,					
<b></b>	and the second second	ally deve how he were deliver excited	45846	-4.7. 49.0	:, <	diace	
	The set	the mounted with quest interest semilely	7 با 108 ب	426-500	<i>2.1</i>	.002	
	Survey 1.	get is a coust gravital rejects, the					
	- and the	to a charger than the start to spectral					<u> </u>
<b></b>	- Area	11/1 <sub>1</sub>	43848	750-78.0	351	, 302	<u> </u>
🖌 7.900 - 200		, she is his the standing the most g	× =213	79 926	-+ ; <sup>1</sup>	. ~2	┨──┤
	1. Q 92.0'		* 15214	82.5-840	<b>5.</b> C	.032	╁∔
	entre till an	ng Aloidse					

Relogial 27/0/83 Den Hey

	PROPERTY			OLE No			•
SHEET NUMBER	2 5	SECTION FROMTO	— <u></u>	STA	RTED	10 Mail.	 
LATITUDE		DATUM		CO	MPLETED		 
DEPARTURE		BEARING			IMATE DE	EPTH	 
ELEVATION		DIP		_ PRC	POSED D	DEPTH	 
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S	<u> </u>
\$ 87.0 - 81.0	Quarty lein; of slogit	and to see possibly willing with wein	×15215	374 89.0	<b>Z</b> U'	2.5.5	
	F	Valiopyte & synhitte					
- 89.0- 72.0		It it within why firs growing avieral-	115-14	39.0-172.0'	5.01	. 092	
	water,	, ,					
* 97.0- 47.0	20 dogut you warry	Price proceduration	+15217	92.0-97.0	5.01	.252	
		redien to course grand light to	40849	47.00 YOC	30	. 002	
		, a superinged; alumatent colate verilets ? lester.	40850	100.0- 103.0	3.0	.002	
		May willy figlid . min destimation	19501	3.0° 106.0	я. U	trace	
		site underlying mit	19502	1:6.9- 1:2.0	\$.c	tisce	
		unger d'alsopspile and deservice pyrite	14503	k9.0-12.0	3.0	.002	
	235Contra vela		19564	17.0- 115.0	3,0	trace	
			19505	115 9- 190	3.0	.002	
			19506	118.0-1240	ជាត	500.	
123.0 - 15:00	Datity within the ca	a is grand a since to going on thesely					
		a give an order of sasteriality with mall shears					
		- and go "py survivaes this solute scalits					
	tend a vase to						
	anton renan	any quate star as as to day provide them.					
		ing altration down to deally go dood.					
156.0. 1355		fiver grained, sheard abundled clients	19507	58.51 58.0	7.0	-me	
		avy stealed custometrick,	19508	158.01.1840	3,0	,002	

	PROPERTY		Не	DLE No				
SHEET NUMBER	<u> </u>	ECTION FROMTO		STA	RTED			
	.,	ATUM		CON	<b>IPLETED</b>			
DEPARTURE	В	EARING		ULT	IMATE DE	EPTH		
ELEVATION	D	IP		PRC		EPTH		
DEPTH FEET	FORM	ATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	<u> </u>	
	@ 1561 - 1580 ; Enguid pulity of	would donated dots & detaile	19509	1:10-1040	7.0	trace	1	
	and make man syntheside.		19510	144.0 -166.0	5.0	trace		
	folistur; 0:530'- 30-35°,	· ·						
	relatively drap with mart a 25	igula some contact						
166.0 - 275	Oright: daugery coarse granied 1					-		
	any light hattery that has							
	1 1 5. a. J. and finite prost	stroits place					<b>_</b>	
	6 2345- 202 all day dant there		19511	2045-206.5	1.0	Liace		
	and it's socialist by any		* 5718	750.1-755.0	t u	.006		
	@ 274,0 3" g . 20 324 Marily		× 15219	274.02 275.0	1.0	TI		
2 25.0 - 1 72.5	allera Devile plan saraha							
	at they digit attender and						· ·	
	service with march , also	/					ļļ	
2765-2414	there is not get gen	A last word, and					<b>_</b>	
	Burgers I werk all places to an							
2 85.0 25 5	Buchen to be guite to be	ing the provide star angen						
	and to atte to the though up	an int 6 35t to red form					ļ	
	aptack a serie real							
243.0 3115	and which the the the	and quild profile the						
	savel ille tota good Dearing @ 295' - 2						<u> </u> ]	
	8 2120 29-54 for poside and	age, stimulie, saultie forting						

	PROPERTY			но	DLE No			,	)
SHEET NUMBER	SECTION	FROM	то	*****	STA	RTED			
LATITUDE	DATUM				CON	APLETED _			
DEPARTURE	BEARING				ULT	IMATE DE	РТН		
	DIP				PRC	POSED DI	EPTH		
DEPTH FEET	FORMATION			SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S		
	@ 299.5 - 311.5; Mathedy walland for a gra	icel, quaity	divila						
	prately querty, vo visible privalizations	· · · · ·							
	with in disting with Q. 65.								
311.5- 326	Divite goules ; in the median gravid	nou notio	than						<b></b>
<u></u>	ordering and quit develore of levering								
	allinto to stick	anan - , viero an varia lie an vai kie and							
	@ 3180 i wrathed d'inte quere	ulor and re	asoni						ļļ
	preversion with underlying and								
324.0- 336	Maratic your, polary alland dirite,	setistar.	allinet						┇
	digitiment of a relative aboundant brittle " a	loute to ally	a boundary						<b>_</b>
	I kloritisje por it called patches ! Y	nlets, relin	Sel Dudy						4
	associated with folision & with verrities	Suble rich	Stor						
	fatiation: @ 3771 40', Q 378' 50'	respectional a	vito the						
	we de leging mit .								<u> </u>
331.0 - 13.0	Quely by particular in a second .	varie un	allfred ,	17512	826.0 3240	₹, 0	,002		<u>      </u>
<u>.</u>	light guy when continues Shult he	made quarty	light .	14513	329.0-332.0	<b>₹</b> ¢	trace.		
	and in a representation of a devide 100	a withour	such ago	9514	1720-5860	¥. c	trace		<b>_</b>
343.0- 359.6	Dealian of part 30 Houte 100 1	· · · · · · · · · · · · · · · · · · ·	·						++
	your live same superinger	Tact Monde .	1. Wale						┥──┤
*	better walked & 70° to los								╡∔
353.0.356.0	Durity age Branderick , as alman to	detend far	iepeles been inte	nt					

	PROPERTY		Но	OLE No			
SHEET NUMBER	5 45	SECTION FROM		STA	RTED		 
LATITUDE	-	DATUM		co	MPLETED		 
DEPARTURE		BEARING		ULT	IMATE DE	PTH	 
ELEVATION		DIP		PRC	POSED D	ЕРТН	 
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
356.0 . 385.0	Slight Gremiter. : Men alaskute: granjee	cause grimme, l'get lo moderate . mall shears me intendere boy so troute dypes, maak folgalis 0 - 115	rock				
* 385.0- 541.0	and birlite warm	natival with a fire grand the		385.0-391.0	6.0'	Trou	
391.0- 394.0	- quedalished into lunds.	in grand & respice, quality repo lying dequiter with cossently re then subplute minicalgola					
370.0- 468 U	Droite redin to	coaron gramed, aralloud masses populatel and regides OF HOLE @ 4081	<u>ن</u> ه				
		X					

15 mm - 181

	> 8 . 26	DATUM BEARING DIP66" @ FORMATION	colla: -67° (sad test)		STA CON ULT	RTED MPLETED _ IMATE DE	<u>April 18/82</u> <u>April 21/82</u> PTH <u>598</u> EPTH <u>SLUDGE</u> GOLD <b>S</b>	
DEPARTURE	126 .26 ing te; vis turn to se graine class total	BEARING DIP65" @ FORMATION	200° colla:67° (ord test)	)	ULT PRC	IMATE DE	PTH EPTH SLUDGE	
ELEVATION9966 DEPTH FEET	ing te: vir lins to se graine daar total	DIPGO" @ FORMATION	colla: -67° (sad test)		PRC WIDTH	POSED D	EPTH	
DEPTH FEET 	te; vic line to so	FORMATION			WIDTH		SLUDGE	
7 - 11.8' (no 11.0 - Dian 	te; molium to so	ouve gravid tal		SAMPLE NO.		GOLD \$		
11.6 - Dia 	te; molium to so	•		· · · · · · · · · · · · · · · · · · ·	1			
11.0 - Dia 	te; molium to so	•						
2 : 4.5 2 : 4.5	grind Dass local	•	year to great					•
2 :4.5 2 :5 2 :4.5 2 :4.5 2 :4.5 2 :5 2 :4.5 2 :4.5 2 :5 2 :5 2 :5 2 :5 2 :5 2 :5 2 :5 2 :	1 I I I I I I I I I I I I I I I I I I I	and the factor and said	•					
2 [4.5 2 [4.5 2 4.5 2 42.8 - 3 45.7-								
9 - 17 2: 74,5 9 - 42,8 - 3 - 45,7-	(1-2.1). miles 15 B	1	(					
۵ 42.8. (۹ 45.7-	- 58. 2" Per guint de	t t						
@ +% Z-			harments is the quarty tasits					
			1.4 June Meralus to dela					
			the side stagets (1-2-1)					
	1	Q 60° to care, follow				-		
	/ •	+ 54.01, rionar indonal	(°	40751	52.5-54.D	,.5'	th (2	
	milles sayite							•
0.573	- 57.3' . Aun 1: 1:	I SI yound quark in	in day wire subday					
	1. may " freet @							
× 640	- 35 1. 1. yurd p	have digit it der a	in no no quarty jakes	43752	±4.0- 67.0	5.01	141.200	
		-	no. Sigt paration C -		67.0-700	3.0°	1. 4. A.	
		2. 1 solart spy	/	41754	70.0- 73.0	5 S		
	FEN I The Joint	pro to this with buy	p milleral in in the	+: 755	73.0-76.0	3.2'		
		1 mars mary main		40.756	761-280	2.0		
	C 873 : 400	il I think then Q.	35° to con Traca	40757	78.0- 21.0	3.0'	:2	
	to mina of							

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	PROPERTY HOLE No								
SHEET NUMBER	2 .f 4 SEC		TO		STA	RTED			
ATITUDE	DA	าบท			CON	PLETED .			
EPARTURE	BE/	ARING			ULTI	MATE DE	РТН	Y	
LEVATION	DIP	)			PRO	POSED D	EPTH		
DEPTH FEET	FORMA	TION	5	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	)	
<u></u>	13:0- 960 for pained tosta sta	a comente l'antos 1	· Alante .	40758	93.0 - 76.0	.3.0'	. 1.02		
<u></u>	111 mar array que to Sarray		ĺ	48 159	76.0 - 98.0	z.0'	.002		
	loon intert a so 's res 2								
	many po, 1 py the masses		· 1						
	78.5. 116.6 : 2000 grid fields								
	gravit frally pine recipit								
-	Mathe sum commin of prospert								
	114 - 127.0 fin granich equinted	1		4:760	110-6-119.0	Z.4"	.002		
	Hoile : some bistile, un			40762	19.0- 1720	3.0	?		
	martole & "" to the sine			40763	122.0- 1250	3.0	Arace		
	122.0- 140.0' - anothing to crease you			4076 4	125.0 - 128.0	3,0'	.12		
	includ, son proposed scontala.		<i>(</i> /					· .	
140.0 - 125.5	Matite : wordanically weder - 7	. /	last quarty				• · ···		
	+ K- apor : " fier to solide ~ 10"								
	35° to 44 , 200 21 Ny 10 126 of 120		1					ļ	
	time to vira descripted Sulped			<u></u>					
1.15.5 - 2.14.5	Sugar Tribule For ally ; medin h	town and pract	1.40					ļ	
	and place to get and got to			1				<b> </b>	
	2 333 Shart & States D -			2725	1560-1000	5.01		 	
	B fresh " the view store			45716	154.8 - 1623	<b>8</b> .01	.::52	┟───┼─	
and an owned with the second	to consist for prived 18400 pr	sit Irally							

	PROPERTY	H(	OLE No			
SHEET NUMBER	3 of 1/ SECTION FROMTO		STA	RTED		
LATITUDE	DATUM		CON	MPLETED		
DEPARTURE	BEARING		ULT	IMATE DI	EPTH	
ELEVATION	DIP		PRC	POSED (	DEPTH	
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S	
	Q 1670- 1680': fix pariet sinte phase true durinisation indepuisson					
	automa colorate miles " grotes an organised pather the write					
z.14.5 - 225.5	Diente; the to media grained, suise in notice, dark you	40761	214.5-217	2.51	.002	
	To guy, weally showed with recompanying stratue to bloids,	40767	217.0- 220.0	3.0	-1 100	
	standart contraste proches " ministes, fighty precivited, time to min	40768	220.0-225.0	3.0*	dince	
	prijite. ing (4 116), in stat storte on frontere & steen surfaces.	40767	728.0-275.5	2.5	2.52	
	Droute Justy Thister , using to course grand relating					
	In allesel, vino for granice dece locally small almats-	15.221	243.5- 243.1	6.41	* Tise	
	queste orontelo à gentre, have la minar pt. no (-19:1)					
	2 236.0 - 230.0' : -100 formet Steere 2 20'	40770	266.0-271.0	2.0'	Serve -	
	Q 270.0 - 2712" for pained life code firsty seasoninated py topt.	40771	270.3.271.2	1. <b>2</b> /	,26.2	
	them pulsets & 55-60', In modings . Q310' shall show & 15'	40772	271.2-2750	2.9	is is t	
	3 13.0 - 311.0 Sec. T.D. Brown, 57 32-14 to description					
* 330- 360'	De to be grand, tellages since Aturation, polities	0.551	3:3:5-5160	3.01	*	
Barran 1999 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	a fight directionalized			1999 (J. 1997), 1997 (J. 1997)		
¥ 316.0 - 317.0'	to a dark where i ty praty will that a proste					
·	and reachante when alsone rais aliged with Fig.	2552	315.0-3170	3.01	*.62	
	talicopite , 1 aprile					
			ļ		_	
<b></b>						

+ Data Ataniad from 1982 billlogs

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	PROPERTY	не	DLE No				)
SHEET NUMBER	4 of 4 SECTION FROMTO		STA	RTED	·		
LATITUDE	DATUM		CO	MPLETED			
DEPARTURE	BEARING		ULT	IMATE DI	EPTH		
ELEVATION	DIP		PRO		DEPTH		
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$	1	
9.19.5 .	Desute visition to come grained, iliterate emactered. intere grante upo with bluich trige, hight fracturing, vision						
· · · · · · · · · · · · · · · · · · ·	Sulptides (4 10%), mix stants film on fractions conforts O 5400 : mod the film all and contains O 45'	40773	344:-3450	10			
	3 300 - 567 0: your cases prived gravites like & patthe quarty	41774	363.0-361.0	50'	. 66.2		
	min halcopyile (1-2%), rigular expent love winds	40775	366.0-3670	10	112		
	0 - 30'	40 776	367:3700	3.0	== 2		
	from 367.0 -: resists is somewhat nove selend. Sight foliates.						
<u> </u>	qual with 15's outs univer the draw @ 135' to some						
	END OF 505 (2 378.0)						
						·	
<b></b>							
						i	
		<u> </u>					

	PROPERTY	Mungold Revources Dre.	H	OLE No	M 15	<b></b>		
SHEET NUMBER	/ sf 4	v				spril 2'	11582	
LATITUDE	29214	DATUM No. 3 Ven	system			april 2:		
	70180		•			PTH2		
ELEVATION	958.17	DIP	······		DPOSED D	EPTH		
DEPTH FEET		FORMATION	SAMPLE No	WIDTH OF SAMPLE	GOLD \$	GOLD \$	<i>v.</i>	
0 - 17.5'	in in its				i,			
17.0 - 32.5		To right stand weat in the 10	namesty 40777	17.0-20.0	3.0'	Anne		
		istude Marpenter & Moster Ser, 1		200-23.0	3.31	tince		
		would be carry reported on of in	4	230-26.01	9.0	11004	,	
		may strong & Alerten developed .		26.0-240	5.0	-1.172		
	1	+ when i write how not of +	( .	29.0-325	5.5'	.002		
	fitation a ser to	0 200 45			- <u></u>			
32.5 - 35,9	Disite ordin to solo	use gravid, reasing the family	tolices					
	pin successive of				i		ļ	
	(234.0.34.6"; In all V	it g. lyte starp aborts @ 15 to con	<i>.</i>					
35.9-61.0	Diabase sigks, fine gran	mich last green to black slager	t subargicate					
<b></b>	1 1	lant a faitmest infacts, inquela	- 1					
	reptor in tail town ip	April @ - 45° 18 200 Jup 1 he mit	Conte Grante og		 			
B-1	37.0- 58.0 ; 1, tand of it	was sporied touts					ļ	
61.0-64.0	Desta you to get	and grand declaqued of 15 date	× 4078z	61.0-69.0	<b>\$</b> 21	.002		
<b></b>	Alerthe Martin and	I how have i save souther					<u> </u>	
¥ 64.0 - 86.0	Les May and her		# 5223	640-690	5.0	Tr.	<b> </b>  _	
	(	dentity to leavily stand	Distor # 15224	59.0-74.0	5.0	Tr	┟──┤─	
<b></b> 1	, , , , , , , , , , , , , , , , , , ,	alute posts alarray time	ł.	74.0-74.0	5,0	.522	ļ	
	and strings pyrile ?		* 157-6	74.0 - 94.0	5.0	.006		
	· · · · ·		* 15227	84.0- 860	2.0	71.		

+ Date from Hez dill logo Relogged 24/6/23 Don Aug

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PROPERTY	но	DLE No				ł
2 of 4 SECTION FROMTO		STA	RTED			*** 1.01. 2.8 16.
DATUM		CON	APLETED _			
BEARING	·····	ULT	IMATE DE	ртн		
DIP	Nama da Maria da Mari	PRC	POSED D	EPTH		
FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$	1	
Langraphyne dyke, somewhat solicified contains finite	45783	86.0-91.0	5.0'	. 00 2		
programmenter Febr & in Febr	* 15228	\$6.0-91.0	5.0 '	.00 8		
		second assay	? lise still in	++++ y)		
Diside - Junty Divide ; padoming the course granied, high to						
6 20 mail de 2 70° à cos ploute, trace aquite						
@ 25.3 - 27.5 que y lis is place, we a grand will be to a legan place of					_	
intrafrid Diester, mineralized with Difesz + tasz	* 15229	101.0-146.0	5.0'	Tr		
ice 1997 will use	* /5230	106.0- 110,0	4.0	Tr	++-	
	* 15231	110.0-113.0	3.0	T1.		
Every Dist ; 10 yeg source grand quarte lighter some						
	40794	12,0.0- 1285	-	.112		
a good and the second proved tone station of papile.					-	
8 223 - and and the man with taketer apile the						
to it is the day that is the						
					1	
Digity will win matural with for SuFess + Fess	* 15232	136.0-143.0	7.01	Tr		
à isi to cas						
	2 dt SECTION FROM TO DATUM	2 dt SECTION FROM	2 of 4     SECTION FROM	2.014     SECTION FROM	2 d4         SECTION FROMTOSTARTED           DATUM         COMPLETED           BEARING         ULTIMATE DEPTH           DIP         PROPOSED depth         Dip           Dip         Dip         Dip         Dip           Dip         Dip         Dip         Dip         Dip           Dip         Dip         Dip         Dip         Di	2.64         SECTION FROMTOSTARTED

	PROPERTY	HOLE No.							
SHEET NUMBER	3 d 4 SECTION FROMTO		STA	RTED					
LATITUDE	DATUM		CON	APLETED .					
DEPARTURE	BEARING		ULT	IMATE DE	РТН				
ELEVATION	DIP		PRC	POSED D	EPTH				
DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$				
/ 47 0 / 50,0	Dioute; come granied, relatively un allow erlept adjaint								
	to small shows when chloridgelor ' some petersone storater is present, what folicition Q 30° to con, take to minin pepite. prominint callete jaste & verility towards bottom of without								
150.0 163.0	"Wined Droute; fire gamine, moderale to story alteration.	45 785	1 50.0.158.0	3.0	shore				
	story stantyalk, biold is stratest loally, schistone in	40786	153 156.0	3,0					
	places, abuidant cabigues prively relates + spectres, shrande	40787	156.0 - 158	2.9	. 1:16				
	Advillar @ 157.0 60°, 155.0°; 55-60° 5 core artes	40788	158.0 - 161.0	3.0	trace	<u> </u>			
	quarty ago provident locally upper 1 lower contacts are trainistant	40789	161.0-163.0	Z 0	-frace				
-	allientite is her witnes towards the forton of the site wal								
163.0- 175.5									
	marine the the view agents, well developed theme plantagels								
	C 150.0- 153: mod Meridia apre, mall steer, in lay min pot py								
	The solvie hander bollow on the protocol preding with a								
	years disto plane.								
175.5. 1.7.6	splate size: La stratte fine granich augany lestine								
	dan ice avait a 25-30° to our								
	which year wordert soft Such worded son Monte	U6790	177.0 - 174.0	2.0'	1.930				
	+ bootste, patrily que ty, appreciative po (2-5%)								

·····

	PROPERTY			но	DLE No			•
SHEET NUMBER.	4 d4 SECTION I	FROM	TO		STA	RTED		 
LATITUDE	DATUM				CON	APLETED _		 
DEPARTURE	BEARING	<del>.</del>			ULT	IMATE DEI	РТН	 
ELEVATION	DIP				PRO	POSED DE	EPTH	 
DEPTH FEET	FORMATION			SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
<u> </u>	pritisk alatting maltered, light miner prating quarty, britte nich pr C 205.8; Small ?" quarty ven, la o 205.2 = 210.5; fin, graniel, granosel	to moderate . towns trave : raits & ~ 60° sille phase . orig frie 80° to cons	fracturing sulchide. wrs j: cimed sharp	40791	205 8-2173	12	. 96. Z	
	END 15 1525 @ 20	<u>8</u> ,\$'						

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	PROPERTY	Benerico and St. Jours Terenship	н	OLE No	M 16	(platter 1	~ A	Ņ
SHEET NUMBER	<u> </u>	SECTION FROM 1+ 310 VINW	то	_ STA	RTED	1431 1431 1431	S WNW	/
LATITUDEī 2	352	_ DATUM No. 3 ven sy	ston	COI	MPLETED	- 1/1 mg 3	/32	
DEPARTURE S	9809	BEARING	20°W)	_ ULT	IMATE DE	ه PTH	30'	
ELEVATION ?	991.17			_ PRC	POSED D	EPTH		
DEPTH FEET		FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	<u> </u>	
0 - 2.0'	Coding							
2.0- 22.0	1	mained ressive relative with	-u					
		trace to minor po & py, when don't		-			<b></b>	
	incell calmate venteto	· · ·						
	Q 90': Small steen to	35° to one stringer pyritate						
72.0- 285	Alfort Decile; fur l	& medium grand, a Justice in day	40792	22.0.24.0	2,0	dime	<u></u>	
E		gales cobe sterater weekly follows		24.0- 270'	30	. 07.2		,
	@ 26.0. 28.5': fine	graniel, allo alas more interse, oppo	ecor liles 40724	27.0.285	1.5	, u le	ļ]	
	5'l carbine dales.	by the i papile 20 things I desseminate	is				<b>_</b>	
# 285- 30.5	Quely fun instand	well awardiget with Introquel " spirte	\$15233	285-30.5	5.5'	, 178		
30.5 - 62.5	D'aprile ; madrine to	100000 graniel as done, Marine	107 45	30.5.31.0	2.5	dire		
	wighterd, mark straw	Totally with Mapanying allada;	40796	33.0- 36.0	3.0	-1020 C	· ·	ļ
		use I contain true to minor py "						
	520.57.0 144 Harse	y wind						
62.5. 211	Mond Da to 1 4	My meting grand . It wate A	46797	62.5-25.5	<b>1</b> .5			
	Jacob Carlos and Carlos	down the trade agest " nerille	contry of St					
		to a US to be Jufty plugare						
+ (535122)	10 14: 1. 11	- 1. · · · · · · · · · · · · · · · · · ·						
<u> 18.0 - 1740</u>	The factor to an	" within the terms goe to be not	Janie Jonag	£3.5- =1.8	5 g <sup>1</sup>			
	deterte address.	get fordering at this is.						
		to obtained from 1462 duellag.	ward					

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and the second 
	PROPERTY	H(	DLE No				)	
SHEET NUMBER	SECTION FROM	_TO	STA	RTED				
LATITUDE	DATUM	<u></u>	coi	MPLETED				
DEPARTURE	BEARING		ULT	IMATE DE	EPTH			
ELEVATION	DIP		PROPOSED DEPTH_					
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$	<b>T</b>		
	@ 960- 980 ; Junty fraction			<u></u>	+	1		
	a 110.0-170; prog aristo star. bitte dato premie	1						
	Incally with recompanying pyrile which it and any	×.						
	initial @ 30° ty jou							
	(100 1170-2 mouring chargester ligade atter & where	J						
	flutter is 113 to use requirede some pe	yself						
	<u>(* : :)</u>						<b> </b>	
121.0 - 128.0	Situipid Dis "at for to come gravies rederate	to 40799	121.0 - 124.0	<u>,</u> 0	21000			
	interes that makely quarty, provint Struck que		124.0- 127.2	3.0				
	up new long time and reary and spy (1-200)	40 801	127.0-128.0	'. 0	.202	ļ		
<u></u>	@ 120.0-175.01: mara zained yarodiate life relatively -	hap						
	support town reduct 15-20" . mix. op. p/ tept					· ·		
* 29.5 132.0'	" Typy and store winter for grand, with the Islange to I the	yile +15235	1281- 2.0	4.0	. 31 Z	 		
	The with motion provide integration	1	132.0- 54.0	5.0	Aisee			
	for But to with costants the bust what bear						<b> </b>	
	whether it win theman it apple							
	They a the article for a second year it had seen	40803	154.5- 165	<u></u>	-10.0			
	addites for shally the try indonest of white and					-		
	and there a min a manufacture as souther and	«						
	in consider rection aporte petricit							
136.5- 110.0	Header goe right start write in the resting granne	40804	136.5-1050	3.5	-1,312			

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	PROPERTY		H(	OLE No				
SHEET NUMBER	<u>z v t</u>	SECTION FROM	_TO	STA	RTED			
LATITUDE	J	DATUM		CO	MPLETED			
DEPARTURE		BEARING			IMATE DE	PTH		
ELEVATION		DIP		_ PRO	DPOSED D	EPTH		
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S	<u></u>	Τ
	milling prelate	of intrustric same granich gransploite	e, 40805	1400-143.0	3.0	frace		
		, advertigate " El Marter, Suranger		142 0-146.0	3.0	Apric		
······································	1	traly sponted and granter withoused		1460-1480	3.0	, wz		
	7 V	to can a constance decision while a series						
1-18 5 - 15 3-19	and the the a	in more granice, and interpreted	40808	149.5-151.0	2.0	lince		
	quelly ups the s	Lucia de la contrata de la contrata da	40 809	151 0- 157	2.0	diase		
		to real to assist at end, the for	í					_
		the ( - 2 1) py gy in serviced with just						
59.0 - 59.3		- Illy while and it it is an		53.0-155.3	3.3	Anne		
	fair with straw	relate + 15 to ge at toplite minute	deserter -			ļļ.		
153.2 . 153.0	Dirits; lande, and	an gravid , what to day stilled	a. "", 40811	153.3-156.0	27	Lynce		_
	a smith Alada you	a dutila proven jog alute marke	to 40812	156 0 - 159.0	3.0	Amee		
	- yoko ata ataiya	A second the second work with we	- 443			ļ		
	dintry and the a	want for produce for it while .	hifl.			<u> </u>		
51.0 - 114.1	Quarte Erry Recordina	a spect my come yourd, decimine	- 2/2. int 40813	121 2 12.0	<i>د</i> ۲	, : : 2		
	por inportand	in the works with that stern	cim 40814	162.0-165.0	2.9	.05 2		
	the spectra in the	at which the wood show it	· tasta 42315	155-1395	R.9	liore		
	4 1 1 1 1 13 201	· · ·						
188 - 22.0	Level and a la	and the state of the provide the	dle d					
•	ma and a day	presence of scalineast quarty sign pro-	in al			ļļ.		
		there de controller intertailer.		<u> </u>				

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	PROPERTY		НС	DLE No				
SHEET NUMBER	4 % 6	SECTION FROMTO		STA	RTED			
LATITUDE	·	DATUM		COI	PLETED			
DEPARTURE		BEARING		ULT	IMATE DE	РТН		
ELEVATION		DIP		PRO	POSED D	EPTH		
DEPTH FEET	FOR	MATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	<u> </u>	
	Distance sope and fine gains testus grownit, way sharp							
	Divide : midien to conse of	namich. has langue undergone						
	A towal wat for the deal							
97.0 ° 35.5	Davide : fine granice by redire you suched ages transtiged trues content	a starter stras, light to	. 40 816	1630-1855	2.51	frace		
/856 - 233.t	Divide; medium to course of to chlorite alla tuly magine	with a very weak following both	alle					
	1	pones doing freeture lesson rated ; panitie style, conseque; contacto	<u>20 (py</u>					
	associated maren spile top.		. ¥ 15.25%	25 16 2580		··· ( .		
	apprentite per and deste		40817	227.5.7.85	1.01	,152		
* 233.8 - 2348	Scritte in the faire state	y invalged , endands alberton ;	6- * 5237	Z??.B = 34.8	', ð	1.12		
#234.8 - 236.0	Quarty win; with more algest, states		¥ 157.38	2348-236	hZ	4.08		

	PROPERTY			но	DLE No				
SHEET NUMBER	5 7 6	SECTION FROM	TO		STA	RTED			
LATITUDE	~ 	DATUM			CON	APLETED _			
DEPARTURE		BEARING			ULT	IMATE DE	РТН		
ELEVATION		DIP	4.4		PRC	POSED DI	EPTH		
DEPTH FEET	1	FORMATION SAM			WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	•	
* 236.0- 239.0	alland Diende; dive 7.	wild will faily nerriclogic to Forz +	Fely .	1 5239	236.0-239.0	3,0	. 608	1	
		a suggetty dis a sum a strend a tang	for mindader	15240	2010-2440	5.0 ' +.0	. 610		
B			<i>′</i>	* 15241 <del>* 15242</del>	248-0-253.0	5.0			
				* 15243	2530-2580	5.0	. 006		
258.0- 260.	Marel Divite; m	dim grained , dark green to b	lark	40818	258.0-2600	2.0'	.002		
		the prominent soloiter major biolite							
	( )	re intense Nowards bottom & the will							
	papete marie "-2"	Arau Cpy.							
. 60.0 - 273.0		redien gravid, noranice light	grey to						
		to upper @ 40.45° traver @ 40	r 1						
273.0. 318.0		named trappice relatively en							
	1	protectule + pyrole (3-5 %), light						·	
		a content, approximite pulpy, mine		40819	274.0-276.0	2.0'	. 50 Z		
		the quary is rescalgeles		15244	301.0-3030	2.0	TI.		
		" pravity days relate a 45"		40820	313.5-3173	2.51	.002		
318.0- 3190 -		de vin, to minoralization Ver	106	15245	3180-340	1.51	, oo2		
	1	, relating woallered, redrim	1						
		many discoverated agite on							
								ļ	
	weat prester call	le vertets 100. 0 0 45°							
¥ 5410 - 353.0	time stread depin	e Martin alle alle der less i le scribet 100-0 2 45° le roth fre pyste		* 15246	3400-3450	5.0	. 008		

د به می همچونی داده می داد. داری به می همچونی داده می داده داده از این از می می از این ا

	PROPERTY	HOLE No						
SHEET NUMBER	e et k SECTION FROMTO		STA	RTED			ana (1) ikin malikana dara	
LATITUDE	DATUM		CO	MPLETED .			L 100	
DEPARTURE	BEARING		ULT	IMATE DE	PTH			
ELEVATION	DIP		_ PRC	DPOSED D	EPTH			
DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	1	•	
352.0-318.0	alland Dernte; fin to nestern presined norderally to	15247	345.0.350.0	5.0	Tr.			
	territy sterred tak you to black, schieten in places	40821	355.0-355.0	3.0	-1101e			
	plutan e 45° à une, inminano paran porale pombro e	40822	348.0-361.0	3.0	-1100 e			
	45° to cove ( carlomalizater), nimer dissovierated po, py topy	40823	361.0-364.0	3.0	.002		<b> </b>	
	allerday of involvence & broks preally							
313.0 378.0	Drovle; "upper to coaries yound relatively mattered ?							
	response interested by course greened greenodoute greente				-		<b> </b>	
	Bodres ( disker), wingston galacts							
	@ 366.5.367.5 : V. coarse gaused grand toute type: wheyever agopt						<b> </b>	
	ystul stap love y bid C 45°			<u></u>				
	@ 369.5- 371.0. Negular 4. 19. grandlorde situação defe.				<b>_</b>			
	@ 2970; Afre 2" grandiale sign , sharp lower contact						<b> </b> -	
	@ zu to car							
	ENS OF HOLE @ 3780'				 		<b>↓</b>	
-								
						+	<b> </b>	
							└──┼-	
						4	┟──┼	
		1					┟──┼-	

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	PROPERTY	Lister, Bernewis, and 21 your Tourd is SECTION FROM 1+310 WAW TO	H(	OLE No	<u>M 17</u>			ion ist
SHEET NUMBER_	1 4 5	SECTION FROM 1+310 WAW TO		STA	RTED	May 1792	4.5° WIN	シ
	29353	DATUM No. 3 Voir system		CON	PLETED	in c	4 D-	
DEPARTURE	69809	BEARING 200° (570°	w)			PTH		
ELEVATION				PRC	POSED D	ЕРТН		
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
Ð -5.0'	lasing							
5.0 - 65.0	0	o conce gravid relatively construct &						
		traten jour associated with spears.						
		also - antorodyalla, small culture visites			······································			
	Shearing @ 23.0' 3	1						
	@ 30.0-510; mal de	The goe, low-much & blocks and spidole						
	mior appriller							
	First folialo. Level age	d al 43-45° to sore.						
	toursatisat into	to and lying which will ong degre of stealing						
65.0- 70.0		very redum pained slightly massive to	43824	68.5-70.0'	1.5	.002		
		alite divergers & gastes, wingsig detales &				· •	-	
		allowed it bund, scholose in value,			~~~			$\square$
	(drålige developed it t	15 to 100 provint date Stringer and would						
	attacking mine teserin	ald to by they bittle segment in addition				1		
	la staile.				····	<u> </u>		
* 70.0-72.5	Quarty news; A slight	angle to use , will revealight with spy	# 15248	75.0-72.5'	Z.5'	.002		
	and My Star low	mitted @ 15-20° to come						
72,5 . 73.5	Duste: poden 3	and granide triggery a parrie, dataily	1.375	72.5- 75.0	2.5'	, 2° Z	+	
	moltand . 1975 le	a strong strong ind.					<b></b>	$\square$
93.5. 97.0	Davidu gooderla day	to, carse granice massive title attraction						

Kelugged 24/4/83 Don Hay

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	PROPERTY	HOLE No					
SHEET NUMBER	2. 01 5 SECTION FROMTO		STA	RTED			
LATITUDE	DATUM		CO	MPLETED			
DEPARTURE	BEARING		ULT	IMATE DE	PTH		
ELEVATION	DIP		PRO	DPOSED D	EPTH		
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$		
	interio vina descrivator sulphides - opelascent quarte une						
99.0- 113.D	Divite; redium to couse primid repaire, constraid,						
	introductor & operator yearty up your secondary finity descripted						
	sulptide an pervasive throughout the islowal, find tolisten @ 35"						
	@ 103.0', Singer releopyile security with small calide wavilla	45826	102.5-145	1.0'	.002		
¥ 113.0- 130.0	Fire paris divite intaring a large 16 of pranty with						
	slight musicipalia maistry of chalicopyrite and spile						
	130-1160': considerat for granial divite	+ 15249	113.0-116.0	3.0	Tr		
	116.0- 118.0; with great win	* 15750	116.0-1180	2.0	. : 072		
	113.0-123.0; fine grained Marite, watering Light non- alugher	+ 6501	118.0-123.0	5.0'	Tr.		
	123,0-150; 00 alan	* 650 Z	1230-127.0	7.0'	, 3'0		
130,0- 124.8'	allender you in say period my bacal premid granodicita						
	whendy worth with my plansity stands Midda welasta	2347 P	138.0 - 132.0	\$ D	+1462		
	despiction when this contract quarty up, conserve what	01828	195.0 - 19-5	₹.£	have		
	proton (199)						
134.0- 135.5	Dear site : and in a parial sea a casuice . margined						
	questy up with patches party the all quest since \$ 25 at 25°						
135.5- 136.5	Quarty vini, varine welly white, vo while very algaba	1-8.2.9	35 5-13-5	1.0	.002		
	start upp collect @ 50.55' progeter lover solad						
136,5 - 41,0'	brandlight to alow, very coarse granied	-2330	136.5 - 38.2	1, 12	. 002		
	@ 139.5 3" party vir, milly maine 100 visites warmalizate	45831	138: - 138 7	0.51	.002		
		Data d	tament from	+182 1.12	u logo.		

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	PROPERTY						
SHEET NUMBER	3.0' 5	SECTION FROMTO		STA	RTED		
LATITUDE	,	DATUM	COMPLETED				
DEPARTURE		BEARING		ULTIMATE DEPTH			
ELEVATION		DIP			POSED D	EPTH	
DEPTH FEET	FO	FORMATION SA		WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
141.0 - 143.0	Drovile', medin la course que	and wasser + undlased					
143.0- 146.2	1	in paired, task guy to black ,					
	poliated a vise uppor ilever	while sharp @ 10-20°					
46.2 - 164.5	Civile ac Ilmue						
	@ 162.0 103.0 ; sweet fire gram	ia strat and plandant it loste					
	actionse.						
164.5 - 73.01	Brandinita Mastile Lyte; very	source gowish, respine, withens	USBIZ	145-1615	2.0'	,002	
	· ·	s. vigules upper and lower					
	in Tacks	· · ·					
	O 16:5: ape signed Cofes. 14	wided second the with putchy					
1	1	(					
170.0 - 195,0	Diostar a store, midium	in more port, paponi					
	pro alfing:	,					
83.1 - 195.0	March Lorde: 104 1023	gravit, when steals	112.12	193.0-197.0	3.0	Arace	
	apre, strated allow to	don't mailes of calenter, procenunded	40 834	86.0-189.0	3.0	.002	
	winds to a dor a land is us	don't models of calente, procenunded	40835	189.0.197.0	20	, wr	
	prof. will ich your.	J	20336	192.0-195.0	C - 5	Acore	
145. 6. 196. 5		granide pathere with	40837	1950-1965	15	.102	
		hing the way for					
	agen white Amer contr	it ship o 410°.					
		· · · · · · · · · · · · · · · · · · ·					

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PROPERTY		HOLE No
SHEET NUMBER	SECTION FROMTO	STARTED
LATITUDE	DATUM	COMPLETED
DEPARTURE	BEARING	ULTIMATE DEPTH
ELEVATION	DIP	PROPOSED DEPTH

. . . . . . . . . .

DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
16.5- 309.0	Scheefeed Depute; Hargely course grained, prominent	40838	196.5- 194.0	7.5	.002	
	Huest juary ago, matchy light attention, that to mi	40839	1410-202.0	3.0	June	
	sulphide posialization trigger preched in brokke	10 340	202.0.206.0	4,0	.002	
94.0 . 214.0	allow Digile; madum spinied folicited 2-30' to	40841	206-209.0	3.0	tiple	
	is sight whiles who atgest sources the blocks.	40842	209.6-213.5	1.5	.002	
	dely transition proof.					
	@ 210.5- 2115; for grainer white light pay actuals D					
	+ 20° le ma				ء 	
	@ = 2.0 - Did: the granid optile dife to above, provided					
	specare hay and show workeds a 45 h con.					
14.0 - 295.0	Lighter white to some you'd unplosed & accuse.					
	and good dealer are assured with an all blans					
	a taken the she was do where with the the	1 9570	264.0-267.0	3.0	,002	
	about the south a start souther on	19571	267.0-269.0	2.0	.004	
	and the spectral to adding segon and bener					
	1 toute				!	
	It is the second of the plant lot the la					
	and to the to the the					
95.0 - 313.5	allerd Devite fors it wan growid weak plication	14572	245.0-7980	3.0	-10°C	
	and and at a do to see abundant an al wavenilling valuite	14573	240.0-3010	310	41.960	
	O 2920 - 2993', while quark with mon delicopyide and pythe	6503	249.0-249.5	05	,022	

	PROPERTY	HOLE No						
SHEET NUMBER.	SECTION FROMTO		STA	RTED				
LATITUDE	DATUM		CO	APLETED .				
DEPARTURE	BEARING		ULT	IMATE DE	РТН			
ELEVATION	DIP		PRC	POSED D	EPTH			
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
	@ 343.0': strang forbation encloped a 45' to con	19574	301.0-3040	<b>3</b> .0	hoce			
	stringer & descriminated challoggets py + 30, somealed with	19575	364.0-307.0	3.0	,002			
	while windle and small show mine quarty ups.	19576	307.0-3100	3.0	tione			
1	J ( 0	19577	310.0-313.5	3.5	trace			
5135- 351.4	Disinte, midim to coarse granice park juy to black,							
	wassive, walland, this allerates somes association with							
	frontares I small stars, inall paraglioutre syste intrude							
	The und decemented sulphide devocium throughant				-			
	( 321.5- 333.5; "ourse gravier parodiside dype contamy	40843	3315-333.5	2.01	.012			
	reserve also posite. Italio sapula e segulistate agres contact		ļ			ļ		
	C 60°, wighter to an a book							
	@ 3375: small " prace win, syste " dellapput	40944	337.5-395	1.0	trace	· · ·		
B	3380- 7.285; cover quinid quaridouile side as alone					-		
Engel	to ture Misemineted py, con i po materials sharp upper					_		
	Hover intacto @ 50° to cre.					-		
3510 - 333.0	" these sike: black, very fire grand sharp upper contact							
	it all the the state indicate 2 250					-		
<u> 353.0- 356.7</u>	Dista: idias to ward ganid constants, must allotter			- <u></u>	+			
<u></u>	I president to worked the dist mattered miner descenated into	till,					<b> </b>	
3563 - 34 0	Textine doct - park green, we fire granish very	ļ						
ter and the second s	Sup were with 2 60°, brown ward way from contact END OF HOLE @ 2000	des						

	PROPERTY deta Bernewiss & St. Louis	ŕ			10	~9Z
IEET NUMBER_	/ of 1 SECTION FROM	то		RTED		
	DATUM	No J. Vien System	COI	MPLETED	May 198	
PARTURE	Not Surveyed BEARING 200'		ULT	IMATE DE	PTH	
EVATION	DIP 2 2	silar	PRC	POSED D	EPTH	
DEPTH FEET	FORMATION	SAMPLE N	o. OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
0-152	incing					
15.0- 22.0	Washere ; intersty frostered, Dugg and lighty	stand				
	intano small quar ventes with a viter vite	<i>´</i>				
	distate is a due privat and contains man de					
	19 the low start is sharp a 43-50 5 is					
22.0- 41.0	Alora Diorte " motion to some peried quing	unda to 19623	22.0-25.0	7.0	trace	
	11 ply extisted gray to write grass in colour, were		25.0-28.0	3.1	.002	
	miteralight & Hally aton alteration about thits	re. 1129 + 19625	28.0-31.0	3.0	.002	
	poter and accounted i starge pypte (3-5 th)	19626	31.0 - 34.0	3.0	.002	
	@ 27.5 . Strayer & agede 3 50 to car	19627	34,0- 27,0	5.0	.002	
	where & standing receives towards soften of	1to 19628	37.0 - 41.0	-4, a	.002	
41.0- 47.0'	" Theply stand anothe with Hist's steads & fine a	intelation # 3553	411.0-47.0	ان، و	.016	
470.530	* 20 strate "strategy " if wath a do b'	10.11 # 3554	17.0 - 53.0'	- :	.146	
	with the actual anther of and and the act	jula 19629	53.0-5600	<u>ເ</u>	Arre	
53.0- 680	alle in Sector for got a star toda ? and i		56.0- 59.5	30	have	
	2022 And for game alor many 3 Das	<u>a vilve sa 1963)</u>	59.3-620	<b>٦</b> . U	Side	
	with the state that with performing which high		57 5 59.5	3 D	102	
	- and with a construction and	19733	0.86-2.80	s.) 	.002	
	EIND OF HISLE @ 68.0'					

OM83-1-(-279 THIS SUBMITTAL CONSISTED OF VARIOUS REPORT:, SOME OF WHICH HAVE BEEN CULLED FROM THIS FILE. THE CULLED MATERIAL HAD BEEN PREVIOUSLY SUBMITTED UNDER THE FOLLOWING RECOR) SERIES (THE DOCUMENTS CAN BE VIEWED IN THESE SERIES): D.D.H # MIG to M26 + M39 to M42 - y see chester tp. report #30 + 29 - Murgold Resources

		COR	D			;		
	PROPERTY States, Bernuncio on d. Se. jour Tourchips			M 27				
SHEET NUMBER	SECTION FROMTO				Inc /82			
LATITUDE	DATUM Wurduck take the		COI	MPLETED _	June / 32	<u> </u>		
DEPARTURE	Nrt Surveyed BEARING 020°		ULTIMATE DEPTH					
ELEVATION	DIP O collar		PRO	POSED DI	EPTH			
DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S		Γ	
0-5.0	Casing							
5.0 - 680	know advoite - qualy derive ; carse gravier light to lack							
	- que, reassive, moderate next starry trally, there to ano-							
	Massim abile pyrite light Abrialan replaced to Alantyalan of fredors						$\downarrow$	
	Q 45.0': Small "2' analty view @ 50' to joe eps.							
·	@ 37.0. 60.0; Altra , Aun gone with planty stringers	ļ						
	thouse upon intact of soil and ando						+-	
	Isight brender					+		
	< 58.0-58.5	15282	583-58.5	2.5	Trace		_	
88.0- 120	allow you all the word grand, and alight and selicified	<u> </u>				++		
	light burnales genterer & Maile, minist large Swich					<u>↓</u>		
	grade reportiones descrimination agrice i trace chalcopaque					<u> </u>	_	
1:5.0	wanted to write the man with the pay in store	ļ				ļ	-	
	where a consister and the south interest					<b></b>	$\downarrow$	
	ale stands a diat state the in his males with	l						
	(2-3") just trite in moster loss to alter of the items					<b>↓</b>		
150 100 2	Filste 1 dlinka and talman go duits and the sing					ļ	1_	
	min Minud and indicated 40.50° for the produce gavid					<u>↓</u>		
	the second and the second s					ļ		
	allow stop a house successing with					<b> </b>	4_	
1.2 - 1 HA	Barrie provide correspondent to me I service there	L,						

Religiga 14/7/83 Don Hay

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• <u>;</u>	PROPERTY	но	DLE No				
SHEET NUMBER	SECTION FROMTO		STA	RTED			
LATITUDE	DATUM		CO				•
DEPARTURE	BEARING	· · · · · · · · · · · · · · · · · · ·	ULT	IMATE DE	РТН		
ELEVATION	DIP		PRO	POSED D	EPTH		
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$		
	the to a white quarty sign have been to allong in the						
71.5 - 2713	the underly town to see your grand dark to see by						
	Above the pointer letter in her upon an in with commentant Show 2 20° contening the fine - point point take note where is trially the point totally where the file						
	Light allow and wheats have share allowers in class						
	all a priorisite; many pointed and by the pith altration				· · · · · · · · · · · · · · · · · · ·	· ·	
204 (s 52 S	- Burnette langen total grant and the trans						
	the to test i with participation fraction to the test of the second states and the second states						
	Ents of Park Andread						

1.13	SECTION FROM	то					
		/ <b>V</b>		STA	ARTED	1.2	:
	DATUM	the fate 2 an		COI	MPLETED _	110 13B	2
of Surveyed.	BEARING	360°		ULT	IMATE DE	РТН	n L
	FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	1
Timy							
Harris noting go	and squiper in light to a	Idini- Juij L					
Į		L L					<u> </u>
Constrainty - que of A	house, gradual terroiting	seture. the					
to. " in main of	300 11 Tes Deterined Shiph	- george upon the					
	1	•					+
		,					+
sueste up an	to disprove the south						++
		als las by					+
			<b></b>	· · · · · · · · · · · · · · · · · · ·		<b>.</b>	++
		Cherry Spickle		1	·····	<u> </u>	++
				م بر المار م	 ∵-≲'		++
	1 1						
allia Matrie; 1;	ale to some gradier of	ak grup to					
							<u> </u>
4							
1-3.4- 74.) putity		1		134-745			
	Thing The color india goo me infu winter of the color of the goo the color of the color of th	FORMATION "Long "Lactor india gravit spage in light to m """ refu when gravit spage it made a source to start of the grave of the source to the to see a start gravitation of the starts a mate a start gravitation of the starts """ against a start gravitation of the starts """ against a start gravitation of the starts """ against a start start of the starts """ against a start and a start """ against a start and a start """ against a start and a start """ against a start again and a start """ against a start again of the start of """ against a start again and a start """ against a start again and a start """ against a start of the start of the start """ against a start of the start of the start of """ against a start of the start of the start of """ against a start of the start of the start of the """ against a start of the start of the start of the """ against a start of the start of the start of the """ against a start of the start of the start of the """ against a start of the start of the start of the """ against a start of the start of the start of the """ against a start of the start of the start of the start of the """ against a start of the start of	FORMATION There is the granit spectra light to reduce say a """ when when you's place of new refer we go the day and place of new refer we go the day and place of new refer we go to constrain the grant of the second grant of the to constrain the director product of the day of a second the product of the grant of the second of the top of the top to constrain the director of the top of the top of the product of the grant of the top of the top of the product of the grant of the top of the top of the product of the product of the top of the top of the product of the product of the second of the top of the product of the grant of the second of the top of the top of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the grant of the product of the product of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the grant of the product of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the second of the product of the grant of the second of the second of the second of the product of the grant of the second of the sec	FORMATION SAMPLE NO. I mig There is india grain in projection light to relation say a mining other projection for relation and is indiate success toold, gradual transition relation the indiate success toold, gradual transition and the indiate success toold, gradual of the society of the indiate grad grad on the monitor success the light is not a difference on the light of angle toolder success where grad toolde and the light of angle toolder is not a difference on the light of angle toolder success a light grad toolde on the society allocates is the product of the society of the light of is the product of the society of the society of the is the product of the society of the society of the is the product of the society of the society of the is the product of the society of the society of the is the society of the society of the society of the society of the is the society of the society of the society of the society of the is the society of the s	FORMATION SAMPLE NO SAMPLE	FORMATION SAMPLEND OF SAMPLE GOLD 5 I wig The Bit Adam gravit springencie, legel to relation served The Bit Adam gravit springencie, legel to relation served The Adam gravit springencie, legel to relation served The Adam gravit state of the server state Adam server state goed of the server state state Adam server state server state state state Adam server system state server state state Adam server system server state server state server state server Adam server system server state server state server Adam server system server server state server Adam server system server server server server Adam server set a server server server server Adam server set of server server server server Adam server set of server server server server server Adam server set of server server server server server server Adam server set of server serv	FORMATION     SAMPLE NO     WIDTH OF SAMPLE     GOLD S       Sing     State provide spage in the light to metain any in the second

	PROPERTY	но	DLE No	a ta ayan ayan da ayaya aya	<u> </u>				
SHEET NUMBER	SECTION FROMTO		STA	RTED					
LATITUDE	DATUM		col	MPLETED					
DEPARTURE	BEARING		ULT	IMATE DE	РТН				
ELEVATION	DIP	PROPOSED DEPTH							
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD S				
	3: 70 2800'; withou fracting sector is waterally strad								
	the same collect you is beauty fractured								
3200 - 3340	What proverse ; reduce to wave going rules to price			••••					
	in those you're listing a start all of Mation consider its						<b> </b>		
	1 alles builded								
	" note replai fin - in a grand Diri to hard news					_			
	210% notic minutes rassine, secretate pusite lifes								
-68.0 - 1/or O	attack white prove to the idian a new period, remaine								
	traction of alacts a situate made to all forces						ļ		
	filling by the survey of a los of delies to some with again			······································					
	from 3880 - materialy of allitation in the granditists mercure.								
	any de dan y dele te said								
	215 5 - 25.5 ; aspected sons of normalic magnets and the								
	with any is it to me in mound in sportant			······································		_			
	Morte & 363.5; parch queste d'alte, min- associated	10:34	ن ( Avin Haring) ا	*)	hace				
	provide successive vagestile	19635	\$720-10125. 	2) 	.022				
	END OF JOLE @ 400 0						┠┣-		
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,	PROPERTY	но	DLE No				
SHEET NUMBER	SECTION FROMTO		STA	RTED		·	
LATITUDE	DATUM	······	CO	MPLETED _			
DEPARTURE	BEARING		ULT		РТН		
ELEVATION	DIP		PRO	POSED DE	EPTH		
DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	1	
-2.0- /20.8	Matthe optice; fin to reduce graved, say to light bern.						
/20 - 1575	Many Mot, last 20 fut an fractiona will groups all calle						
	to have alteration to ally rich - that is a mobaldo						
<u> </u>	Drandente addien its vorse granice, altrady underse prite to redien my prominent large black and by looky up, looky where anythe claim stars, that prote						
	C 1570" " gent, white some of 1500 million at a printer white Non 750 "" generate as maken point, where we are allowed upt afron to fraction.					· ·	
	200- 10 den har and a latte date to har -						
	And the many of the day star of day star latter while upper again 194 store notice 2 75° gradually encous why for white Intally straid & fraction. 2.2000-2000 : Star gos, where fractionay, Maile						
	Cours i mare to the age a the						

	PROPERTY Choston, Bonnewices	and st Louis Jorchips	но	DLE No	M29		
	<u>/ ŋ 3</u> SECTIO	N FROMTO		STA	RTED	14 /82	
	0	Weeduck take Irea		CON	APLETED _	July 3/82	
PARTURE	Not Surveyed BEARIN	IG		ULT	IMATE DE	PTH _ <u>3/8.0</u>	,
LEVATION		-45' @ collar			POSED D		
······································				WIDTH		SLUDGE	T
DEPTH FEET	FORMATION	N	SAMPLE No.	OF SAMPLE	GOLD \$	GOLD S	
0 - 15.0	Jipang				·····		
15.0- 42.0	brooder te; redun grand, about	ine, require to dark					
	Juy, why little allestra, 1400	e for Istal fidata.					
	150. 320 moderate to rearry f	rocting 0 27.0. 28.5		-			
	Suider bout about out with ;						
	aidiger, 1st aller is 70° to so sy						
	350-36.0's folicita biotale, Maite	• •					
	walad a 45° one at 60°.						
420 - 230 ·	I Gually Vin; with posts and p	y 1 totale trace dialcopporte *	15287	42.0 43.0	1.0	Tran	
430- 134.0	Banodiside; redler- granied as of	· · · · · · · · · · · · · · · · · · ·					
	wer disioner des pyole à truce :						
	560-580; Stringer of party- calente 9						
	light opriation in the locale of	fractures			999 - <u>1999 - 1999 - 1999 - 1999 - 1999</u>		
<u> </u>							1
*******	1.0; magde patricy quarty i stor	walk (5) is visate					
	080-110 D. Margular Juarty delle						
154.0- 137.0'	Sirth and rich rock; to rock	to souther 1 get is dealer					
	sharp upper and lower intacts at	c					
	Aprilion @ 20° 15 ione and.						
37.0	Transdesito redim to warse que	nice passive light					1
	to median grey, relating construct,						1

	PROPERTY	Но	OLE No			
	SECTION FROMTO		STA	RTED		
TITUDE	DATUM		CON	IPLETED _		
PARTURE	BEARING		ULT	IMATE DE	PTH	
EVATION	ATION DIP PROP				EPTH	
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
215.0-211.0	altered granodenite: for to redien graniace, dark grey in colour silucors, rinor pyrto (-1%)					
218.0 - 227.5	Fine graniel, basic putovolicine? . very fin granied, dark					
	greg to black carl matiged, folioited locally at 60-70" relationly sharp contacts at ~ 80° may be representative					
	of a lonporohype					
227.5- 306.5	Altered grandesile; quarte un pranodicite, redin 15 course pranied promiet bluich quarte unto, redin to dark					
	jug rassing, when patchy and desserviseled popula					
,u,u	(2-5 %) Monter des prisent locality. 2-30-269.0. 20. is characterisen by abundant privary	1.1671	263.0.26.0	3.0	trace	
	una stringe pyrts, sino d'alcopente	19672	266.5-264.0	30	.002	· .
	289.0" quarty nin (3"). @ 40" to cre, por visible				ļ	
	purisitzala: 2925; Small ("3") graces sin @ 35° to love, associated					
	pyrte and dedeopezile					
306.5. 3080	Fire Jamid Sasie asel; larprophyse, contonalized, highly					
	oxidized hightly herdoped foliation strong upper and how or to be to me	-				
308.0 -	Albra junctionte; of par 227.5- 306.5' gry, massive,					

	PROPERTY HOLE No						
	SECTION FROMTO		STA	RTED			
ATITUDE	DATUM		CON	APLETED _			
EPARTURE	BEARING			IMATE DE	РТН		
LEVATION	DIP		PRO	POSED D	EPTH		
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$		
	in which defails is promisent as Te staring						
	(21615': snale ("2") visit of imaging hadropapele & pay the et						
	1636, stingers of chalcopeyite and pyite, appointer Aloute	19659	170.0-173.0	3.0	.002		
	@ 172.0- 174.0; nens of Fe carton alas and quarty associated	19660	173.0- 176.0	3.0	trace		
	puldy agrice minuralization	14661	17.0- 17:0	50	.002		
	From 1700 " granoarnia substanticly rare altered blucin	19662	194.0-182.0	5.0	,002		
	pearty lips appreciate to work ate papite & d. alcoppile	19663	18210-185.0	3.0	.006		
170.0 - 14.0	filtered granodiante; warse grand, whe selectory then	19664	185.0- 1880	3.0	.002		
	above, promining blinch quarty up appreciable to stradent	19665	1840 0- 191.0	3.0	.002		
	patchy privite (5%)	19666	191.0-194.0	30	trace		
194.0- 196.C	brack veri- instance in payate and pyresotte	15288	144.0-146.0	Z.U	.002	· · · · · · · · · · · · · · · · · · ·	
146.0 - 213.0	Altera grand dente as per 170.0-194.0, promint	19667	146.0-1970	2-0	-yoce		
*_ •	Since quarts wells moderate 13 heavy syste more apple	19663	199.0 - 2020	3.0	.002		
	is with not Staringes.	19669	208.0-211.0	3 0	Sport		
	@ 2080- 218.0's gon of heavy pally pyrte revisitgeter	19670	211.0 - 213.0	2.2'	oon		
	I anotico to s such your and solicion, totaly shills						
	fine get de minuse			<u></u>	-		
213.0 - 215.0	Dates lie game to see fre grenied, Stack, Starp rops, a least & so to one, lower contact						

SHEET NUMBER_	1 07 3	SECTION FROMT	0	STA	RTED	way 1/82				
	7	DATUM Wuduck bake On	19	COMPLETED 3/82						
DEPARTURE	Not surveyed.	BEARING 340								
100 - 10.0 		DIP DIP		PROPOSED DEPTH						
ATITUDE		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$				
0 - 16.0'	Casing									
		redien to save grained isavily a	Luce							
	1	permane as is istile, the plan								
	1	a finily sussentiated and fine altic	1							
		locally pliaters surgered track								
		diale pertoped at 10-15° to su ada								
		lad in a supriday storile.								
11.0°		of quarty with non papile some "	alec. 1152.94	40.0.410	10	100Z				
	pite									
41.0 - 13.0	iltered Jacking .	livite; large reduce parce year	-							
		trong ille above provine should de								
		Entre net settors. The is pre-					·			
		with allocation seemes mare with	J							
	Towards the botton	•								
1.3.0- 152.0		ploral alter and space to a	* 15235	138.5-169.0	-5	Trace				
		1- retradents - Mr. Alter Spound to								
		and and footback , soch you to it								
		aster sawy about alter in som								
		10 11 810 White resconsided ty the								
		4.5° @ 25°, -35° @ 12-15°,			······································					
	1 146': 0-20-30'									

		CON	RTED MPLETED IMATE DEF DPOSED DE	РТН							
BEARING	1	ULT	IMATE DEI	РТН							
DIP	T	PRC									
FORMATION	SAMPLE No.	r	POSED DE	ртн							
	SAMPLE No.	WIDTH			PROPOSED DEPTH						
a liste grandetide larger under granica i specie		OF SAMPLE	GOLD \$	SLUDGE GOLD \$	T						
strong stration, prospice Masterplan, but now in but to a postable slender produce of slowle and marker to showle interact, stand but at last shallow interact, stander 220.0 to end of evit; where hope of stlesaler is efficient. (2221.0' - 20-30°, 536.0': 13-15' atta zon; standy stand gove, Schilow, Smalat											
0:-2- -2- -2- 	in when the sen should small proper inter 210: fine growing, Alorte interact, Stand lest ; at heart should interace. 20.0 to and of entry interace growing addicates. 466 alor: @ 221.0' - 20-30°, 236.0': 17-15' 20. To and of entry stand gove, Schilor, Amdat and brokets, frieder ad new station regule to sole. 20. 5' smeel alorate interacts pendits for 5 and gove 20.5' Smeel alorat d of some growing constance particular 20.5' Interact (2.5') how model of a governer 1. alorat 2. for so. 1. alor of governer 2. alorat 1. alor of a sole when a stronger of 2. alorat 2. for some growing and 1. for governer 2. alorat 2. for some cost. 1. alorated, 2. alorated for governer 2. alorate period for the sole. 2. alorate period for the sole.	in the activity the theorem and typete without 210: fine growth Alorte interact, frank let ; at heart dather lists we 10.0 to and of ever: excessing legal of attended. 10.0 to and of ever: excessing legal of the attended. 10.0 to and of ever: excessing legal of the sole. 10.0 to and of ever: excessing legal of the color 10.0 to attended attend and seller angle to color 10.0 to attended at each seller and point 10.0 to attend of every descent period in attended 10.0 to attended of every for the attended attended 10.0 to be attended of a construction period 10.0 to be attended of a construct period 10.0 to attended at a construct period 10.0 to attended (2-5%) long what for a 10.0 to be attended (2-5%) long (2-5%) long (2-5%) for a 10.0 to be attended (2-5%) long (2-5%	in winder in stander med styrite into 10: fine growing structure interval , struck let 2 at head states situate 10.0 to and of win; windering legar of structure 10.0 to and of win; windering legar of structure 15.0 to and of win; windering legar of structure 15.0 to an of structure structure structure 15.0 to also, structure structure for is and good 15.0 to also, structure of some growing insultance 15.0 to also, some growing an insultance 15.0 to also as a watches allowing 15.0 to also as a watches allowing 15.0 to also as a watches allowing 15.0 to also a growing and allow allowing 15.0 to also a growing and allow also allowing 15.0 to also a growing and allow allowing 15.0 to also a growing and allow allowing 15.0 to also allow allow allowing 15.0 to also a growing and allow allowing 15.0 to also allow allow allow allowing 15.0 to also allowed allowed allowed allowed 15.0 to allow allowed allowed allowed 15.0 to allow allowed allowed allowed 15.0 to allow allowed allowed allowed 15.0 to allowed allowed allowed allowed allowed allowed allowed allowed allowed 15.0 to allowed al	in varie in stander med pyre wills 10: fin grown Alore interest , stand let ; 11 has dollar stand interest , stand let ; 11 has dollar stand of stand and for the stand of the stand of stand of stand of stand of the stand of	in vision of the stand stand in the set of t	in vision de sen stanta - smal jugete allo 210: line growth House interat , spear led ; at heart dellar literate 100 to ord of wir; exchange lagre of stealer 166.15.1 (2.2216 - 20-50°, 5360; 19-15° 16 get, standing steel gove, scholar, spedet 16 de sente flate al erre stallor engle to see 16 de stand of allor al erre stallor engle to see 16 de stand of allor al erre stallor engle to see 16 de stand of allor al erre stallor engle to see 16 de stand of allor al erre stallor engle to see 16 de stand of allor al erre stallor engle to see 16 de stand of allored period period and goved 1005°, small altered period enables 1005°, small altered period enables 1005°, small altered period enables 1005°, small altered period enables 1005°, small altered a erreditere 1005°, so genid a erreditere 1005°, s					

	PROPERTY	нс	LE No					
SHEET NUMBER	SECTION FROMTO		STA	RTED				
	DATUM		CO					
DEPARTURE	BEARING	······································	ULT	IMATE DEI	РТН			
ELEVATION	DIP	PROPOSED DEPTH						
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$			
	303.0- 304.0": it loste and coldy queste a 15 to no ad activity des pract on questy, 13 vinitie mini algaba							
	tait may reprint a conduct rock inclusion ; may partice							
	Matte: largety noden grand, nedim to light gay, 10% infit nineds, itatury storp upper contact (3.30% can locally reconvers i rhydille rollanic review dissemmated aprile (4.2%), otrasional rowards, bluck granty upp (2.45.450; Havily fractured, thente rating practice surfaces from 150; "met as presenting from to redim grand, the 150; "met as presenting from to redim grand, atter gy rowards - rights reduce other with the 150; "met as presenting from to redim grand, atter gy rowards - rights reduce other with the 150; out (2) guety - reliable seen Q 20° to co. 10 table remediate (100 4710-5010; redim ", source grand, stably; points, inder gy, spectled appendence 4710 4780 genetic rese 4710 4780 genetic reliable (2) for the source 1000 inte and for the starse of the to be ado							
	END OF HOLE @ 5010							
							L	

	PROPERTY	str. Bennemius & St. Jonis	Torrings	НС	DLE No	M 3z ?			
SHEET NUMBER		SECTION FROM	TO		STA	RTED	July 101	22	
ATITUDE 3	140	DATUMNo	3 xin syptem	ū.	CON	PLETED _	July 12	182	
DEPARTURE	9 8° 8	BEARING	030° (N30'E)		ULT	IMATE DE	PTH	01	
ELEVATION9		DIP					EPTH		
DEPTH FEET		FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD S		
0 - 21.0'	(asing								1
21.0 - 43.5		ium to coarse grained , res	derste to						
		chistose to gremular intensily							
	,	arty 140. min sussemiated							ļ
	Then calette winds		·						ļ
•	310'; fileater be	cloped at 35.40' to our	n per s						+
435- 13.1	Diante: million to	warse grained, witherded by	rumerous				,		<u> </u>
	an no panta suf	s, some of which have save	ndated with						<b>_</b>
	the divite couldary	in local alleration goes of the	wise duite						
	t t	trare to minor dealcopage	,	dii.					
		") fraily win it Visible monial	the stap						
	in tack at 50° ho						· 		<del> </del>
	780- E.C. vitusin	illerater you was the not per	they induraget						
	I poute and with								+
	1	ite, student ship years							+
	-	to pyste 22) trace that							<u> </u>
·36 0 - 142 D		dervice to rotance elevation .	•						
	task plan in whose	1 per let black quarter &	yes pound					+	+
	match, gurd, ' buy								
		of the and pulse		15291	142.0-1445		2,83	<u></u>	<u> </u>

SHEET NUMBER       SECTION FROMTOSTARTED		PROPERTY	но	DLE No				)
DEPARTURE       BEARING       ULTIMATE DEPTH         ELEVATION       DIP       PROPOSED DEPTH         DEPTH FEET       FORMATION       SAMPLE NO       OGLD S         180°       CSG.0       Danke, cause project, clating unative chipt for       GOLD S       Subore colors         180°       CSG.0       Danke, cause project, clating unative chipt for       Gold S       Subore colors         180°       CSG.0       Danke, cause project, clating unative chipt for       Gold S       Subore colors         180°       CSG.0       Danke, cause project, clating unative chipt for       Gold S       Subore colors         180°       CSG.0       Danke, cause project, clating unative chipt for       Gold S       Subore colors         180°       CSG.0       Danke, cause project, clating unative colors       Gold S       Gold S         180°       CSG.0       Office, cause project, class colors       Gold S       Gold S         180°       Original provid, cape, caller for crass       Gold S       Gold S       Gold S         180°       Office, calcal starte provid, calcal starte for crass       Gold S       Gold S       Gold S         180°       Office, calcal starte provid, calcal starte for calcal st	SHEET NUMBER	SECTION FROMTO		STA	RTED			
ELEVATION       DIP       PROPOSED DEPTH		DATUM	·	CO	PLETED _		···· • ···· ··· ··· ··· ···	·•
DEPTH FEET     FORMATION     SAMPLE NO     WIDTH OF SAMPLE     GOLD S       18.0* USS.0     Deride; some paried, stating underste stept for stude guint, are stept following. Constraint of the are ado nomerono calabe stringer, thermultion at into the underlying unit.     Image: Statinger stept following into the underlying unit.       155.0     Ithere Devide; interact, statinger steps, stept following, under the underlying unit.     Image: Stept following, under the underlying unit.       155.0     Ithere Devide; interact, under the underlying unit.     Image: Stept following, under the underlying unit.       155.0     Ithere Devide; interact, under under the underlying unit.     Image: Stept following, under the underlying unit.       Interact, under grand, upp, balling, under under the underlying under the underlying under und	DEPARTURE	BEARING		ULT	IMATE DEI	РТН		
DEPTH FEET FOR WATTON SAMPLE OF SOLDS GOLDS GOLDS       180° 156.0     Duite ; once parcel, statuty undired thing for	ELEVATION	DIP	PROPOSED DEPTH					
Stude grad, upp, slight platin Q - 50° to the weaks       nomeno valuete stiniger, transitional with the producting       init.       155.0 - 183.0       fillua Devide; nitenal, slight dilland, neden to conson       judict, faither grand, upp, potenty contractiget       hereine buff colonul calcit slooks t scarce       marking buff colonul calcit slooks t scarce       interview	DEPTH FEET	FORMATION	SAMPLE NO.		GOLD \$		1	
	155.0 -183.0	Shiet genered upo, slight folicition Q - 50° to the are ado nemerono calcila strinigers, transitional mito the emolistry i anit. Altere Denilo; intercoly itered interval, meden to course grand, provisioned quarky ups, polerisely cantomoticade chloriter, cartano remon scoorinnation popula i trace chalcopeno nemerono buff colonied calcile stackie + vendelo. END OF Hold O 183.0'(?)						

HEET NUMBER	192	hister, Bennewics and se. rocis 7 SECTION FROM				rely 14, 140	₹ <b>7</b>
	b				•	·	
	29486	(*	nem			July 16.	
DEPARTURE	69506	6 BEARING200*			IMATE DE	PTH	.01
ELEVATION	990,66	DIP45° @ solar		_ PRC	POSED D	EPTH	
DEPTH FEET		FORMATION	SAMPLE NO	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$	
0- 7.0	Casing						
7.0 - 17.0	Altered devite; 4	ive grand and Schister, tack go	ila,				
		carlo atigation & Albulyation purple.					
	rumenous calite stra	yes " slady, trans 1 - 24. 1. 126 +	cynte.				
	fokata @ - 50°,	)		-7.0 - 12 .0	3.0		
2.0 - 3.5	Quality voin (3")	at 12.5-13.0': Marily more alight an	6h into 52 + 152.96	12.0.13.5	1.5	,068	
	allerata of wellcon	b" such and a the win blue gas	ly kys.				
13.5- 19.5	allent Devile; Ma	rque fine granica. Adverge reden of:	anad	13.5-16.0	2.5		
	in daws prevalar	t it situates & into atogation what	12.1.7.3F				
	facilia @ 35" to	lore area idendent ianter ate soon	geo .				
	" @ 14.0"; reise two	enir aligns and stranges of Islang	nte.				44
125- 151.0	Diside: midia to	tote se granid unallised.					
	@ 270 \$ 240 1 Bos	Si de fas mind lites ( harper stor					
	sharp intado	<u> </u>					
	and the set	to gen of to the same they					
	1 2301 2.5" 4 1	to you, barrow or Visible non-aliza?	in				
	related p - 4.5'						
	* 127.01 27 3 1 rateri	and section with Carteling Februit Forgans	* 15297	770- 27.2	3.8		
	+ 1410 - 142.6 1 10.000	you is stranger well wire should will	1.705 - 15212	11.0 - 42.6	1.5	202	
	Fess Ferry	5					
		about with pegnistle discernalies (F	eters)				

	PROPERTY	HOLE No								
SHEET NUMBER_	SECTION FROMTO		STA	RTED						
LATITUDE	DATUM	· · · · · · · · · · · · · · · · · · ·	CON	APLETED _						
DEPARTURE	BEARING		ULT	IMATE DEI	РТН					
ELEVATION	DIP	PROPOSED DEPTH								
DEPTH FEET	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$					
151.0 - 153.0 	Branite Igts reduce granice and in close sharp what aspend & 45° lower & 50°60°. It sugar proves starge prove is associated with the context grand grand devide time subserabled to type it has mon apple & descriptions Dirich ; reduce granice whiten devide devide here subserabled Dirich ; reduce granice whiten devide devide hereby. Source . Wetherly enallow, gaption those as priorit breakly. 130° 45.0°. White devide without where the devide island stranges and small starter without in law. close stranges and small starter interest in law solutions. devide for the school starter proved in the device the starter and small starter proved where solars close stranges and small starter provide a lower where the prove of the school of the school without comparts from whether the starter of the school of the school without comparts from whether the school of the school of the school of the school of the school to be a school of the school of the school of the school of the school to be a school of the school of the school of the school of the school to be a school of the school of the school of the school of the school to be a school of the s		2100-712.5	0.5						
<u> </u>	2140-218:0: "raturing and calute aring & 60-80" to love arts illow Divite" medicine to coace granned. moderate 13 interne alteration, in heritigal ( ca por idente verdes) and sitisfand with provide blick quality of ream internal alteration of fildspans, permissive way finity tecomercolea apple. 1247.0-247.3": autority with it alsoppib " pysholton 0258 5" # 263.0": chearing a foliater & 15" to se item. END OF Hall Q 766.0"	15 2 2 4	7479-7403	9.3	.902					

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	PROPERTY Check	, Bennemico & S	t. Louis Trunchies	Но	DLE No	1135		
HEET NUMBER	1 of	SECTION FROM	ИТО		STA	RTED	July 16/ 82	
ATITUDE 2 20	30	DATUM	Vo. 3 Ven 37	ط مراجع	CON	APLETED _	July Mez	
عن الـ	054	BEARING	20° (N20'E)		ULT	IMATE DEI	PTH	)
LEVATION 29	55.61	DIP	-56° @ Men		PRC	POSED DE	EPTH	·····
DEPTH FEET		FORMATION		SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
0- /3.0	Casning							
13.0 - 24.0	Fine graned brittle ait ,	ochi, I the guy to	black aboundant					
	brothe possibly limps.	okyre, nemerous g	unty - calcile vins					
	within the intereal was	a tima @ 40-50'	to con along no					
	significant visible minerlay	alin other then de	isservarated pyrile.					
:40.320	Gransdig to redien to	coarse pained.	slight sebujuala					
	allesater, sharp intar				· · · · · · · · · · · · · · · · · · ·			
	to one sus l'arcitera							
	27.0- 27.8' graty Vin 100-		plants a us to ins	15300	27.0 - 27.8'	0.8	.306	
	Disite : Search Dwite ;							
	wapt for interests coh	•						
	prefined signatur of de							
	32.0-33 0' felater v		v					
	consistent with forste	v						
	890- 584 after place a		- cales with-	11 35-001	E8.0-82 :	0.9	7-	
	200-111.0; very varse							
	prove 1 large Dues							
<u></u>				-	tt			
	<i>C</i> ~~						++-	
	END E	Par @ 150.0'			1	± ••••		
<u></u>				+	<u> </u>			

Religión 28/2/83 Don PT

14.1				M 36		
7	SECTION FROMTO	)	STA	RTED	Tul. 17, 192	8z
974	DATUM No. 5 Van 340	lin	CON	APLETED .	July 2) 1	182
70187	BEARING		ULT	IMATE DE	PTH _ 53	. 57
	FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD S	
Casing	······					
//	; cos se gramea, ver shat allata.					
		3				
			Iscally.			
@ 22.5 " "2" 4/2 pri	- at 35-40° to care. To visible news	myster				
@ 25.0: "1" gly	vin at 75 to one, barrow of remeably	inter				
43.0-43.3': 10 t down	" phase 5 "" pean of challoragete Q 4	5° M35.002	43.0 - 43 3	0.3 '	Trace.	
3670'; ferrely siden	wald spite.					
		-9677	117.0-117.6	0.5	.002	
1175 : Succide D	they prate + mine chalcopyrite associate	d				
		124- M35-003	133.0-133 3	0.3	There	
Graduate me of	I doin share whiles 10.15%, weathered				•	
3.79. 1 1. Ty sweets	there to para termited stop	lides				
<i>⊨</i> ∧ur>	OF Hat @ 1530'					+
	trick to middin gr 19/0, pontick gran 0200: "" fing one 0200: "" grang me 022.5" """ grang 025.0: """ grang 130-13.3": 10t course 0670"; findly ticem 745-03.0", findly ticem 745-03.0", findly ticem 745-03.0", findly ticem 145-03.0", findly ticem 145-03.0", findly ticem 145-03.0", findly ticem 1175"; Succession pa 1175"; Succession pa	950.19 DIP	950.19 <u>FORMATION</u> <u>SAMPLE NO</u> <u>Casing</u> <u>Dustice Exp. Bromsalloote ; usice gramma, my sight albata.</u> price to modern gray. Anyo bluich myslang shared grang rya, ponheat granta stava ar graved started grang rya, ponheat granta stava ar graved started grand 225': """ gg. prin at 35 to se, po visite rensistyples 225': """ gg. prin at 35-40' to coo. rovieth rensistyples 225': """ gg. prin at 35-40' to coo. rovieth rensistyples 225': """ gg. prin at 35-40' to coo. rovieth rensistyples 225': """ gg. prin at 35-40' to coo. rovieth rensistyples 225': """ gg. prin at 35-40' to coo. rovieth rensistyples 250: """ gg. prin at 35-40' to coo. rovieth rensistyples 250: "" gg. prin at 35-40' to coo. rovieth rensistyples 250: "" gg. prin at 35-40' to coo. rovieth rensistyples 250: "" gg. prin at 35' fo cre. barren g rensistyples 250: "" gg. prin at 35' to cre. barren g rensistyples 250: "" gg. prin at 75' to cre. barren g rensistyples 250: "" grant grante grante. 250: digit follower of 45' to cre. of po 20170'; med "m" prote form at 70' to se yes "4677 175': breeceste coday agute + mins. clategognite coases alse atthe second grant for react for a second wishte rensaligether Athe second grant for react for to second. 20170 to and st 16' math here is no visite rensaligether M35-003 attado for 75' to a das 37. white is no s - Jubic chase 10.15%, for attained 37. "The coast of the form of to 5%, for attained 37. "The coast of the form of the coast of the days o	950.19 DIP O Solar PRO FORMATION SAMPLE NO OF SAMPLE (acting Diracly Exp. Biomedicate ; 195 ce. gramsa, reg. shight selecter. price & motion gray, lage block may lagt selecter. price & motion gray and star for an or wisk monorgate. price of seg. price at 35-40° to cree. In visite monorgate. price of lage price at 35-40° to cree. In visite monorgate. price of lage price at 35-40° to cree. In visite monorgate. price of lage price at 35-40° to cree of users of users. price of lage price at 35-40° to cree of users. price of lage price at 35-40° to cree of users. price of lage price at 35-40° to cree of users. price of lage price at 35-40° to cree of users at a price of lage price of the cree of users at a price of lage price at 10° to the cree. price of lage price at 10° to the cree. price of lage price of lage price accorder at a price of lage price of lage price. Price 12.0 to and 1 for price for an of visite of accord. price of lage which monor clater price accorder. Price 12.0 to and 1 for price device in the lage price accord at a price of lage which monor in the work of lage price accord at a price of the to a day 1 for price device in the lage price accord at a price of the to a day 1 for price device in the lage price of the lage of t	950.19     DIP     "45° B solar     PROPOSED D       FORMATION     SAMPLE NO OF SAMPLE     GOLD S       FORMATION     SAMPLE NO     OP SAMPLE     GOLD S       SAMPLE NO     OP SAMPLE     GOLD S       Discip_Cap_Bonnate	950.19       DIP       -45° B isla       PROPOSED DEPTH         I OR MATION       SAMPLE NO       OF SAMPLE       GOLD \$       SUDDE         Island       I OR MATION       SAMPLE NO       OF SAMPLE       GOLD \$       SUDDE         Island       I OR MATION       SAMPLE NO       OF SAMPLE       GOLD \$       SUDDE         Builds Exp. Browshilled \$; 199.00       Jonata partial state provide and partial state of sample and partis and

	PROPERTY	stor, Bornaucio and St. Louis Toxonal	H	DLE No	<u>M37</u>	<u> </u>	
HEET NUMBER	- 1	SECTION FROM	то	STA	RTED_Jac	ly 22 1983	<b>`</b>
ATITUDE2	29092	DATUM No 3 vin sept	tra	CO		July 29,	1983
EPARTURE ?	0366	BEARING		ULT	IMATE DE	PTH2	40.01
ELEVATION 250.06		DIP Job @ Joblan				EPTH	
DEPTH FEET		FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$	
0.90	Casing.	νης ματο δι διάδιση της ματο ματο ματο της ματο της της της ματο ματο της					
9.0 - 14.0	0	redun gania resource, prik 's	-				
	0	blinch quarty ups in witht. the					
	contail with the in						
14.0 - 21.0		din genied, cosphysita oppravance.					
	'	phinesingly in a dark grownan and					
		to endole so locally themselver					ļ
	control is seen with	the underlying unit.					ļ
21.0- 33.1	Quarty lay his dis	to reduce to same grained prid	٤				
		ie estimater of granosticate with					
	sigila inite.						┨
	: 7.0 - 33.1', prilist	parite star, saise granisa					┇
	J 33.0'; " Jun	of vir @ 45° to one.					
	32.1-33.1 mon	at blue quo to ando, gove of stalio,	agulo 40501	32.1-33.1	/, <b>O</b>	Thank.	
	3 popita morece						+
33,1- 35,0		will to populate, smilar to					++
		21.0' starp upper i honor sotue					<u>+</u> +
		requires 'own respectively. Light	<u>िज</u>				
=5.0-51.0	1 rde de When staalt	zano desido", edim 13 course grando , medim grande grande entresce po					++

Relayied 5/4/23 Hon 147

PROPERTY			HOLE No							
SHEET NUMBER _	SECTION FROMTO			STARTED						
LATITUDE	<b>.</b>	DATUM	COMPLETED							
DEPARTURE	•	BEARING		ULT	IMATE DE	EPTH				
ELEVATION		DIP		PRO	POSED D	EPTH				
DEPTH FEET	. <b></b> .	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$				
		padallaral cits underlying provodionate phase.								
		38.0': reduin granica quarty-up granodionte								
51.0 - 54,0	*	fine granned, containing forely desseminated chalcospite, signite	# 40502	51.0-54.0	3.0	Trace				
	•	and pychotile, gravied clow in sports, Sue jugity ups.								
	<b>.</b>	altered Dionte - Quarty Desite; mediin to course grammed.								
		dark grey to black, moderate to strong carlonatization,								
		patchy gradely realiting from alteration of plagioclass								
	×	(5.0° 65.5'; quarty vin (1") with nine choleoppite and	+ U0503	65.0.65.5	0.5	.024				
		heavy pyrite more alystan								
		65.0. 69.0; coarses pairiel. more silicous quarte ups.								
		fractore filling syndrotile.								
69.0- 86.0		Diabase - Lanonsphere; lifte lock, very fine granica 1.0					·			
		fine gravied, chilles upper margin with sharp indeel								
		at 45.50°, very sally fractance at all angles, rank								
		guy to black				1				
86.0 - 86.5	-16		+ 40504	86.0.86.5	0.5	1.58				
		upper instact starp @ 50-530 to C.A.								
86.5 - 88 0	*	Divide; She quark ages I alcopyile and pipile dissource an	* 40505	86.5- 380	1.5	. 00 2				
		() 87.5'; quarty vin (2")								
88.0 - 44.0		Mered Direts; fire grand, slightly scherbes. very								
		Illera Direto: fine grand, sugally schister very seliceous, derte slader, resonination pyrite "pyritette (2124)								

PROPERTY			OLE No					
SHEET NUMBER	SECTION FROMTO	- <u></u>	STA	RTED				
LATITUDE	DATUM		COMPLETED					
DEPARTURE	BEARING	····	ULT	IMATE DE	EPTH			
ELEVATION	DIP		_ PRC	POSED D	DEPTH			
DEPTH FEET	FORMATION	SAMPLE NO.	WIDTH OF SAMPLE	GOLD S	SLUDGE GOLD \$			
	flexer @ - 70-75° /s core apes.							
	'93.5-940'; finily discommater, challoppile and pipite	40506	93.5-94.0	0.5	trace.			
94.0 - 62.0'	Bransdenite - desinte ; assimilation gone of point-gray-							
	questy ye granodisite and dark guy to black	·····		<u> </u>				
	dioute, transitional & sharp contacts seen in both with.					·		
	107.0-108.0; small distase dighe, totrendy fine grained							
	sharp upper contact at 45° to love ago, sharp town	ļ				<u> </u>		
	contact at 200 A C.A.							
	116.0 - 125.0; medin - warse gramed gramite phases,	# 40507	116.3-116.6	0.3	.00Z			
	transitional intacts							
	125.0 warse grand silveous divite phase.							
	quarts up							
	* 135.0-136 0'; becomes more silveres units heavier discommation	40508	1350-136.0	1.0	Trace			
	of papita		·					
	* 105,5 140 0': "' blue grant with way for their mile an again	42509	145-5-146.0	C.5	Z			
	18: 1 - 1220 ; the soluceus proved port life.							
	· How is sime at profin a 35° to see show							
	Duris : due plined, and may to Start, relatingly in shand					<b>↓</b>		
	1380 Den proton proton p	<b></b>						
	and the province aller to desily to province			·····				
	END OF HOLE @ 2400	<u> </u>	<u> </u>					

	PROPERTY Justin B	ennemies & St Louis Toronohips	Но	OLE No	<u>M 38</u>	Names - Minard	
		SECTION FROMTO	- -	STA	RTED;	July 27/8	3
ATITUDE	29588	DATUM No. 3 Vin sign	stem	CON	PLETED _	July 31	/83
DEPARTURE		BEARING 200 (S 20"W				PTH3 z	
		DIP45° at oslan				EPTH	
DEPTH FEET	FOI	RMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD S	
0 - 15 0	casing						
15.0 - 18.0		Shar					
18.0 - 51.0	Durite - Babbio; langely	course grained, massing, stark					
	puy to black water	•					
		es nières dissonicida pyrite.					
		a st. narcous ingles to some.					
	@ 35.5 - 36.0; ordigal and f						
51.0 - 63.0	J	strong rallow qually Stringers the	righted				
		)	40510	52.0.55.0	3,0	Trace	
	55.0- 56.5 20 stone		45511	55.0-56.5	1.5	Trace	
	56.5-58.0'; 3" marty Vin	at 57.3' metaning leavily unserly a	119512	56.5.58.0	1.5	.010	
	Disite Dividiale & dalcopy	$\mathbf{v} = \mathbf{v}$					
	58.0- 54.0 ; "Issannialla in		13.513	58.0.54.0	10	. 518	
	59.0- 60.0 ; 12° 13 van		40514	540-600	7. <b>O</b>	. 0/6	
	60.0-63.0" losening and 200		45515	60.0-63.0	3.5	30Z	
	63.0-66.0'; de stone	2	40516	63.0-66.0	3.0	002	
180- 108.0		paniet my slight straton					
		Ix widdle light in the oten aler-					
	· 350 First , but justy starks		4.57	835-32.3	0.3	TIACL	
	* 92.0- 93 0'; sine granid phase,	1	4.518	12 0.43.0	1.0	. 126	

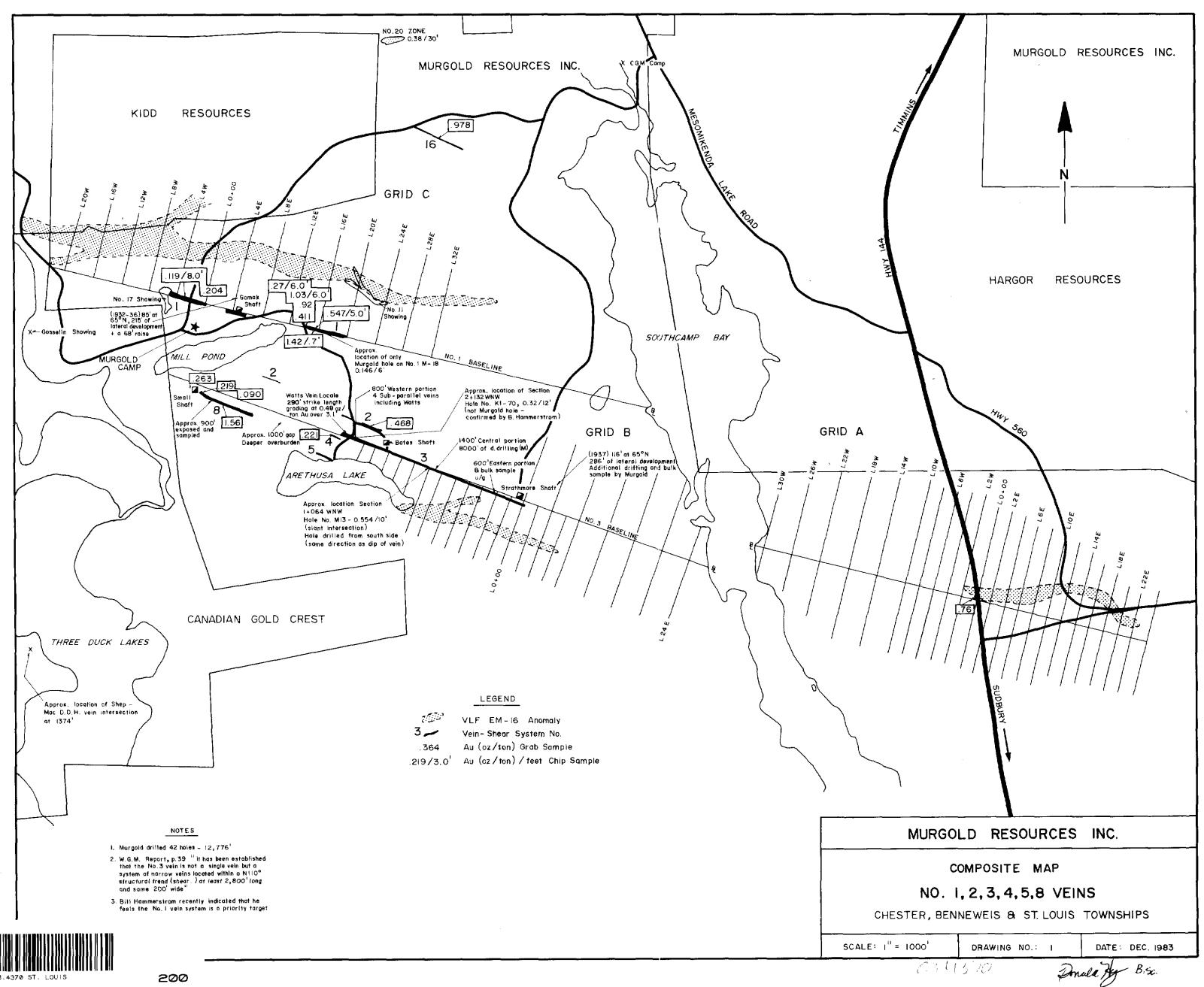
Religina 2. E/7/83 Don Hy

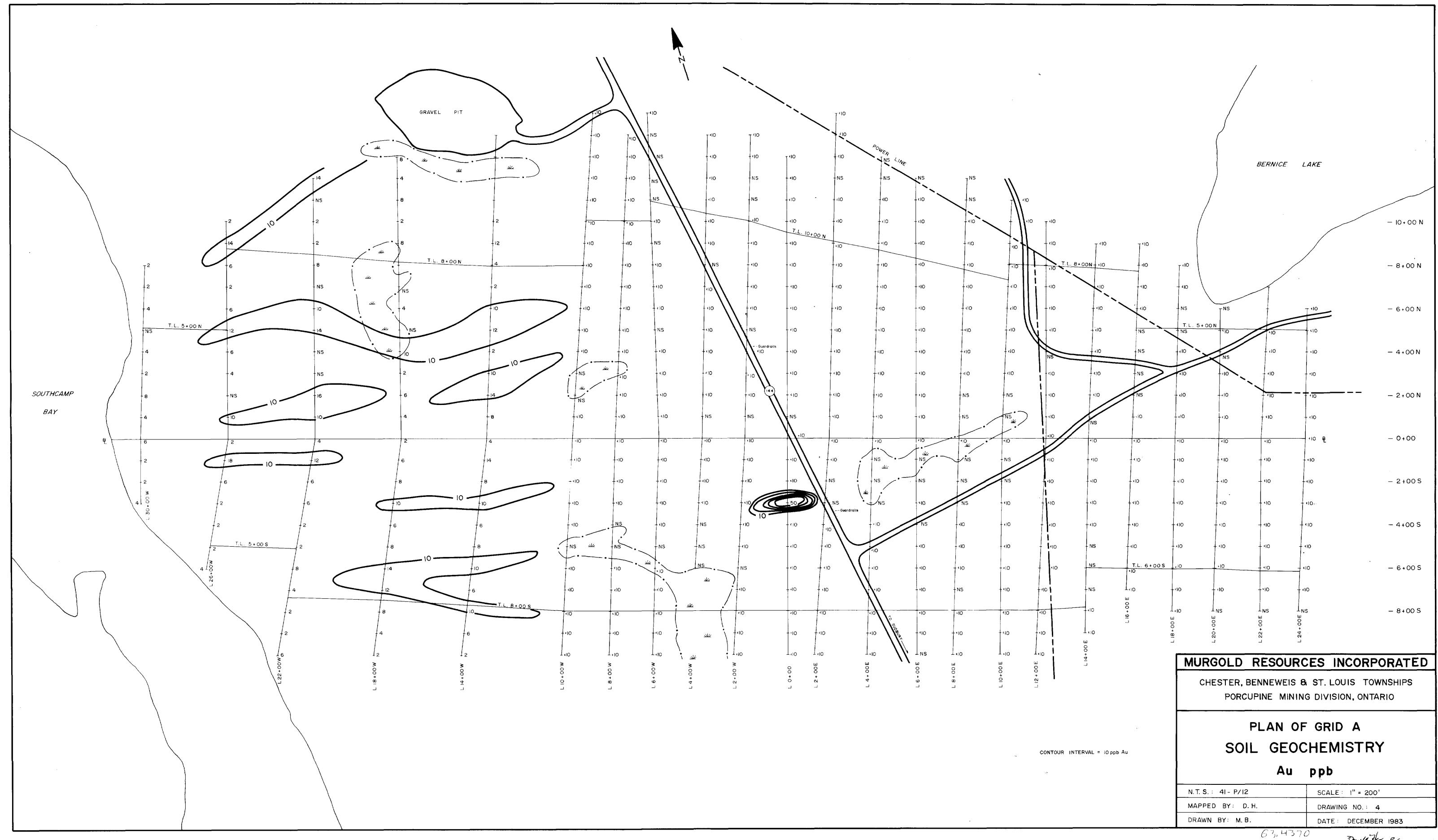
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PROPERTY			Но	DLE No							
SHEET NUMBER_		z d 3 SECTION FROMTO		STA	RTED						
LATITUDE	•	DATUM	DATUM			COMPLETED					
DEPARTURE		BEARING				ртн					
ELEVATION	DIP			PRC	POSED D	EPTH					
DEPTH FEET		FORMATION	SAMPLE No.	WIDTH OF SAMPLE	GOLD \$	SLUDGE GOLD \$					
		176.0 - 126.4"; Jussendy ated Ou Fe52 & Fe52 4	40519	126.0 - 126.4	0.4'	,002					
		1470- 148 0': silectors internet, minuled with intes 1 Febra	40520	147.0-148 0	1.0	.008					
48.0-149.0	1	Quevery Vien; heaving moresely for 3' on each side of	40521	148.0 - 149.0	1.0	.006					
		the stin with Febre & inFebre									
149.0 - 256.5		Babbro - Droute; Amila to 68.0 - 1480' 1 reden to "	40572	149.0-143.5	0.5	,002					
		ware guina malwey unaltered.									
		158.0- "1.0" quarty win (1") running imparallel is the									
	-	care that interes very miner Fors, in Fass & Fre &			·						
		210.5 - 211' fine graniel blocker interval, pluster @ 50.55"									
		to cA.	9678	772.0-2250	3.0	. 202					
		2250-227.0'; fine granied some blue quarty ups recommented	* 40523	2250-2270	2.0	,247					
	<b>B</b> -mail-res	synde i salespynde	19679	227,0-228,4	1.4	Frite					
			r 40524	2284-228 9	0.5	.0 <b>38</b>					
		and min I sleopypule	1680	289-232.0	3.1	2					
		l V	* 40525	244,0-244.5	0.5	. 00 Z					
	_	with Ferry & Setes									
		fran 244.0 - 266.5; junit is fire granied and made	19631	244.5-247.0	7.5	.a. 2					
		sublesses prosting findly deadsunglish prote it min litety	19682	247.0-2500	3.3						
			19683	250.0-2530	3.0	April					
			19684	2530-256.5	3.5	The					
2565- 257.0	:	Survey View; heavily provident with info50. contacte @ 70' to C.A. +	40526	25.5-2570	0.5	. 2 2 9					

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	PROPERTY	HOLE No										
SHEET NUMBER	SECTION FROMTO			STARTED								
LATITUDE	DATUM		COMPLETED									
DEPARTURE	BEARING		ULT	IMATE DE	EPTH							
ELEVATION	DIP											
DEPTH FEET	FORMATION		WIDTH OF SAMPLE					Γ				
2570- 277.0	Barto Dinite: Similar to above quarty vin @ 149.0 - 256.5'	14685	257.4-260.0	3.0'	7.302							
277.0 - 290.0'	Altered Didnite; median grained, slightly more silicians then show, moderally cartonalyse, used foliciter surload at 75-80' /2 one see, trace descriminated pyrite." dilantee, summer calibe primiteds and slips. locally only											
	END OF HOLE 2 321.0'											





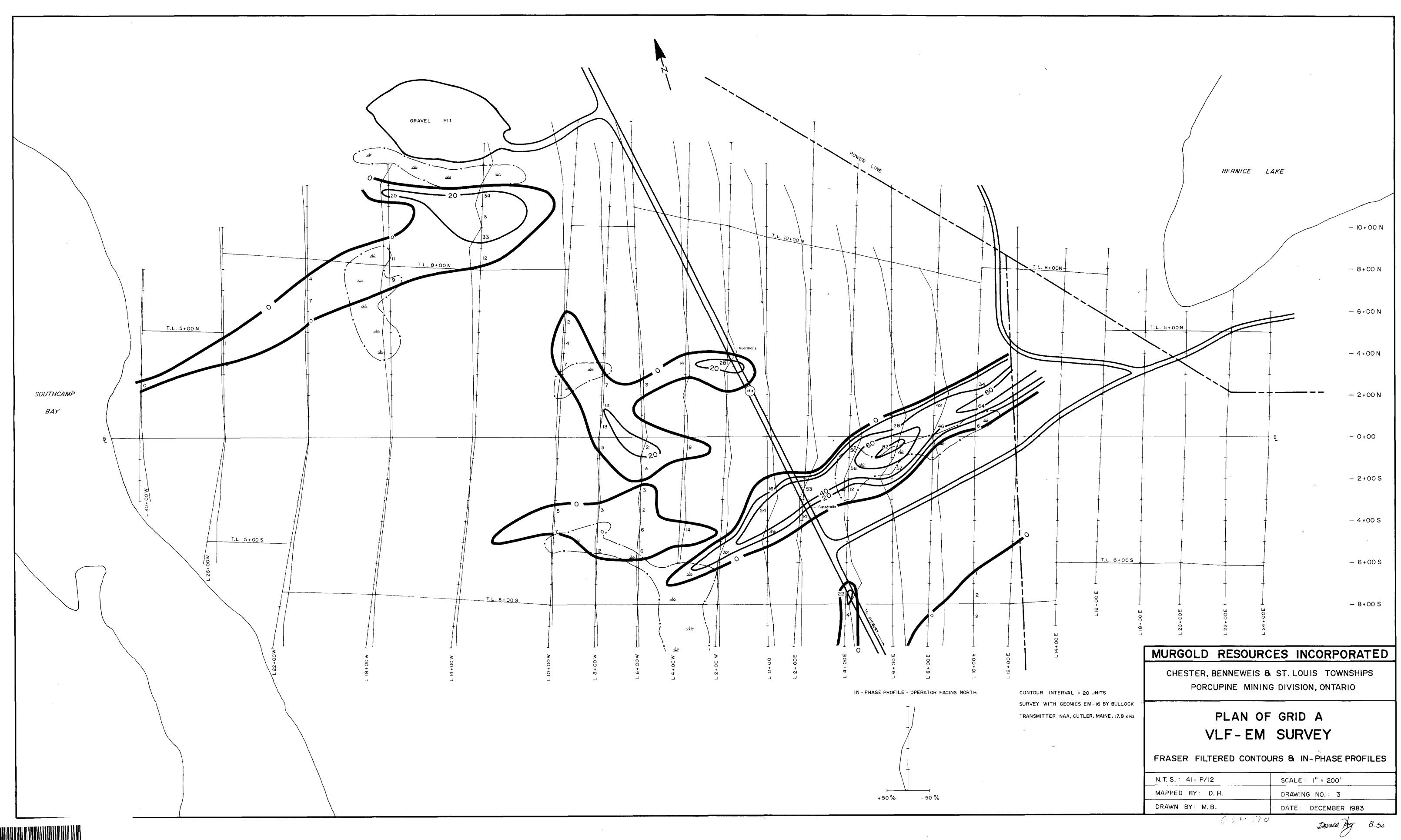
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Donald Hy B.S.



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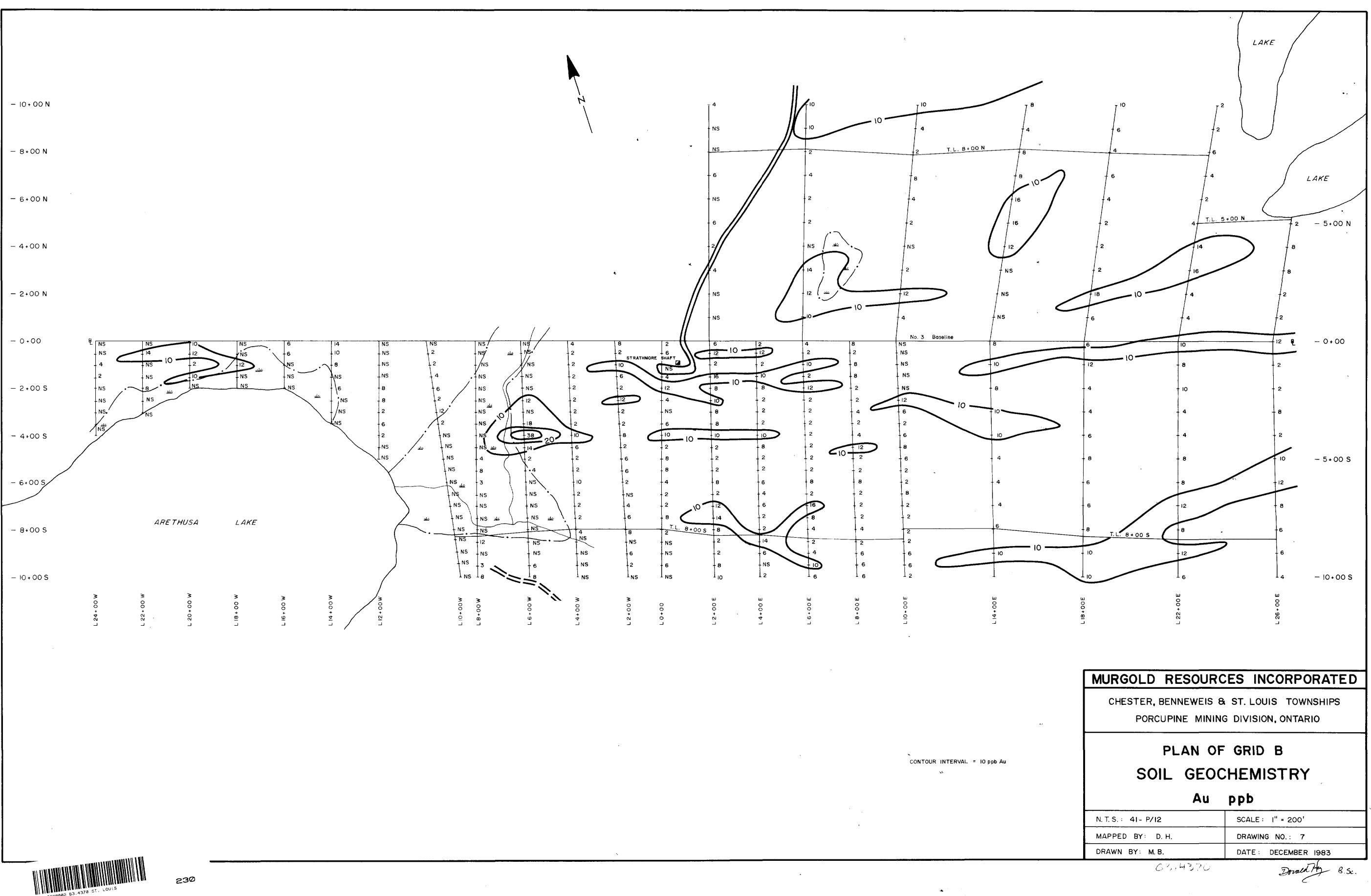
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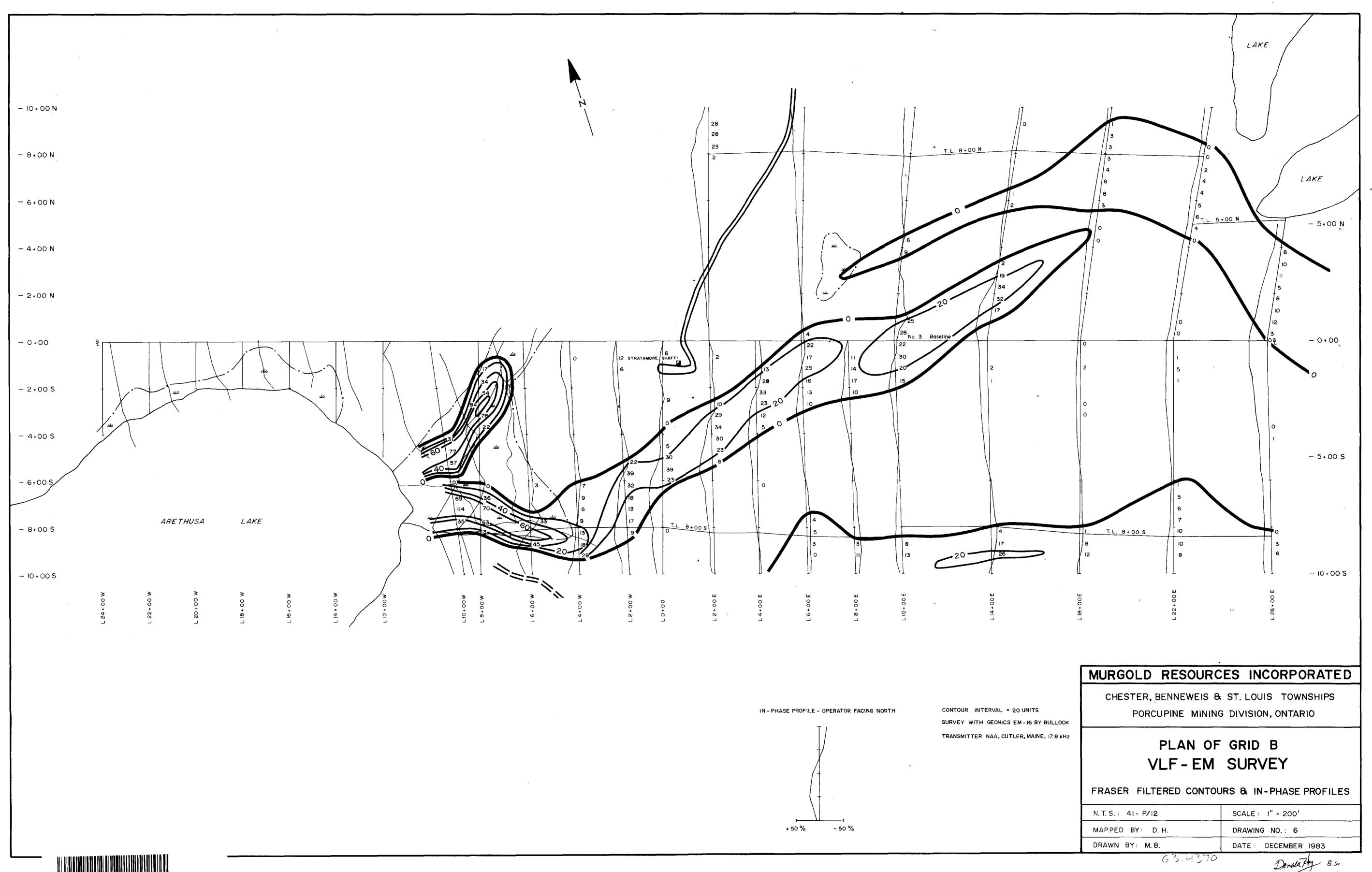
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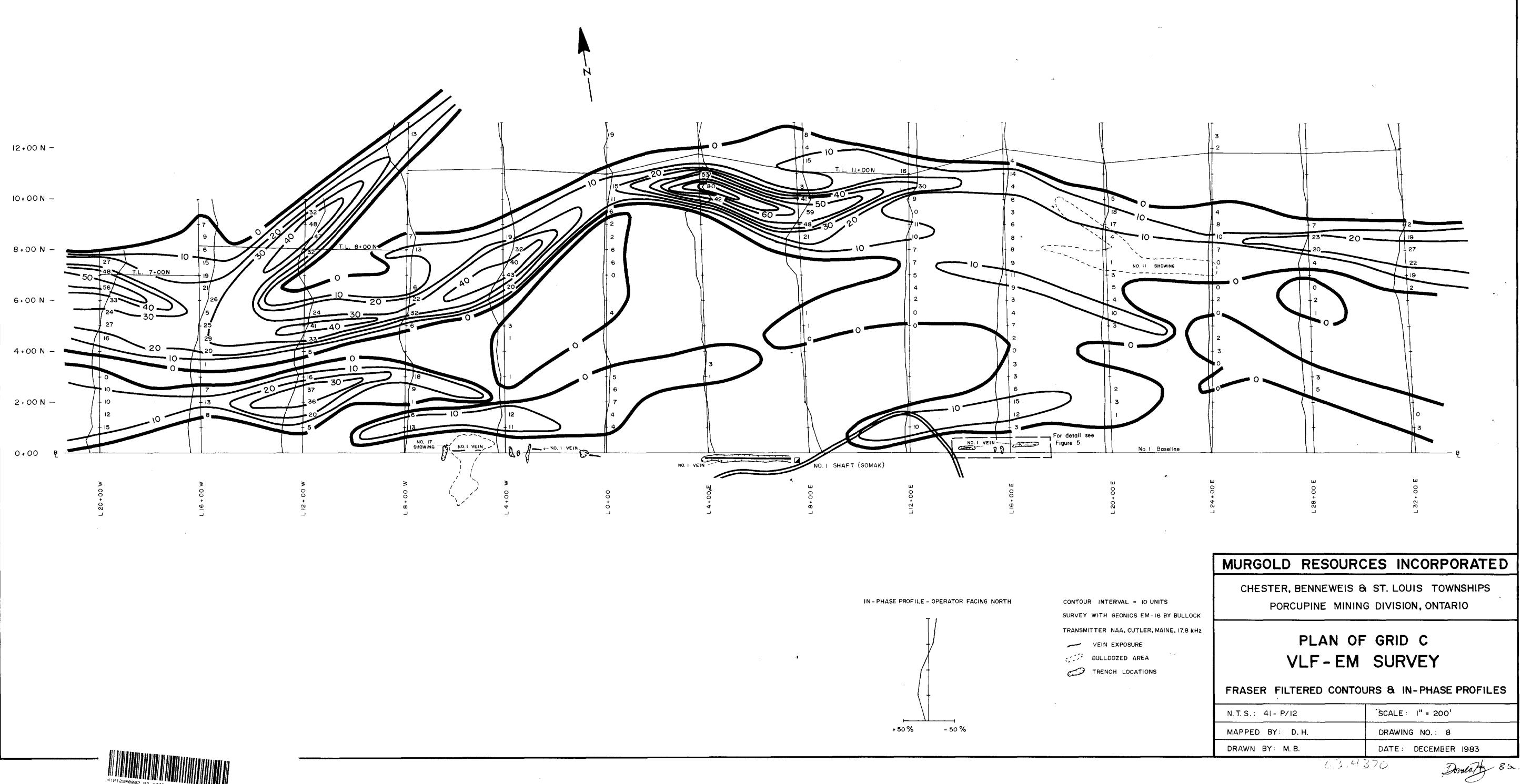
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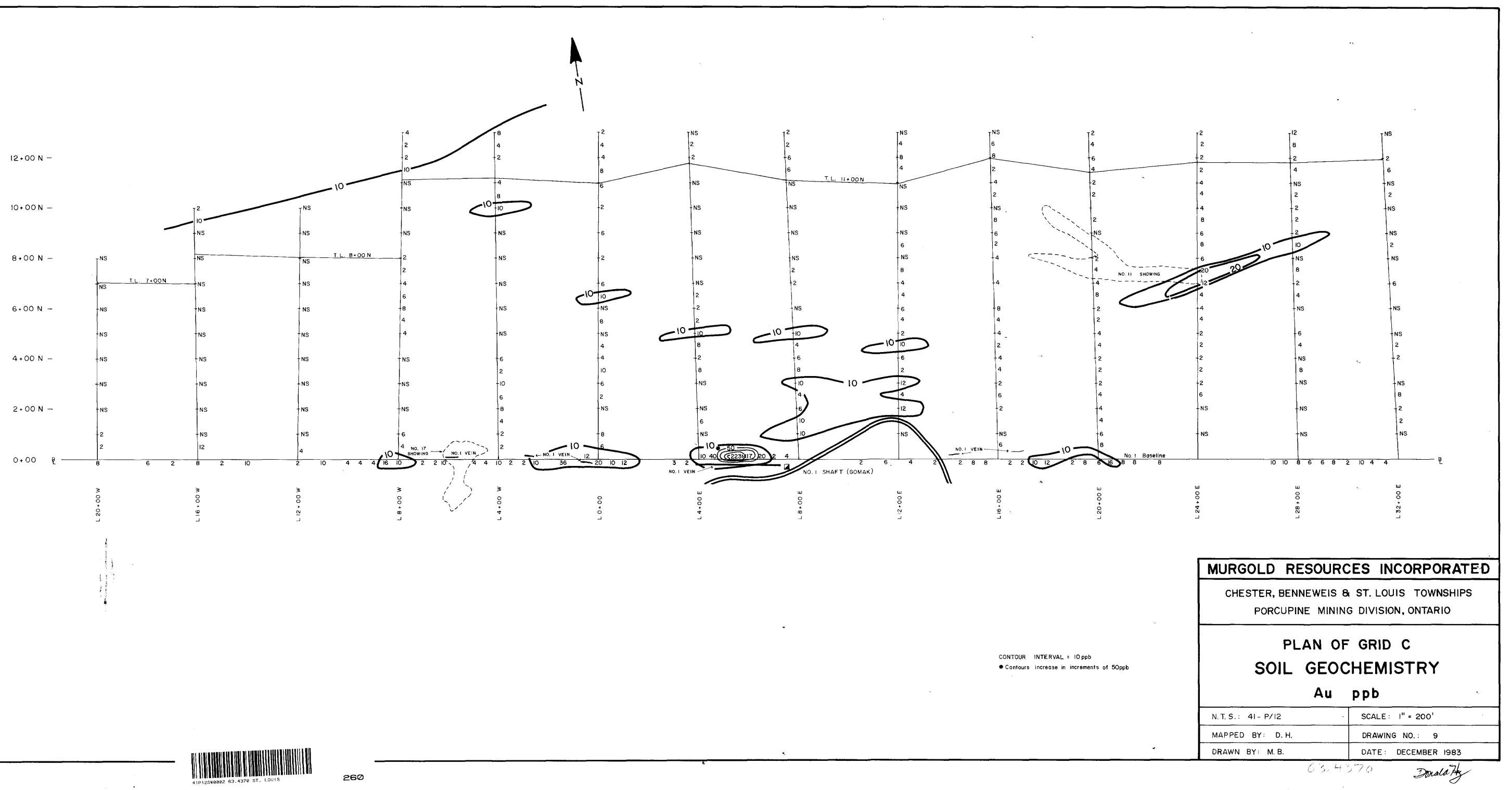
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