MAP NO.: 115O 14

ASSESSMENT REPORT X
PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 093088
MINING DISTRICT: DAWSON
TYPE OF WORK: PERCUSSION DRILLING

REPORT FILED UNDER: ICP LIMITED

DATE PERFORMED: APRIL 1 - APRIL 10, 1987

DATE FILED:

LOCATION: **LAT.:** 63°57'N

AREA:

LONG.: 139°02'W

VALUE $:

CLAIM NAME & NO.:

WORK DONE BY: J.E. WALLIS

WORK DONE FOR: ICP LIMITED

DATE TO GOOD STANDING:

REMARKS: REPORT COMPLETED FOR EXPLORATION INCENTIVE PROGRAM. SCHRAMM DRILLING ONLOWER INDEPENDENCE CREEK DESIGNATED NUMBER E1P86-042

EXPLORATION INCENTIVES PROGRAM

Designation Number #EIP86-042 Spark

DRILL REPORT for Lower Independence Creek, Dawson Mining Div.

Claim Name	Record No.	NTS
FREEDOM 1 - 2	P7377 - P7378	115014
TONY	42629	115014
TATE PLACER	P13183	115014
FREEDOM FR.	P28418	115014
GOLDFINDER	P21360	115014

These claims are shown on Klondike Map #115-0-14g at
139°02' West Longitude, 63°57.5' North Latitude

Report written by J.E. Wallis, Vancouver, B.C.

Work completed for: ICP, Limited
P.O.B. 74490
528 Fifth Avenue #16
Fairbanks, Alaska 99707

Drilling was conducted between 1 April and 10 April, 1987.

093088

DRILL REPORT

LOWER INDEPENDENCE CREEK CLAIMS

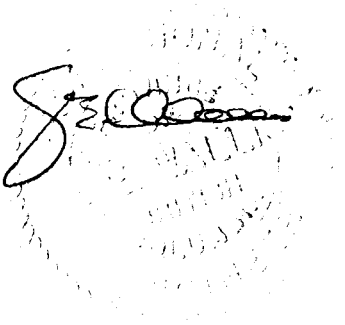
DAWSON MINING DIVISION

DAWSON, YUKON

By

J.E. WALLIS, P.ENG.
214 - 475 Howe Street
Vancouver, B.C.

July 15, 187



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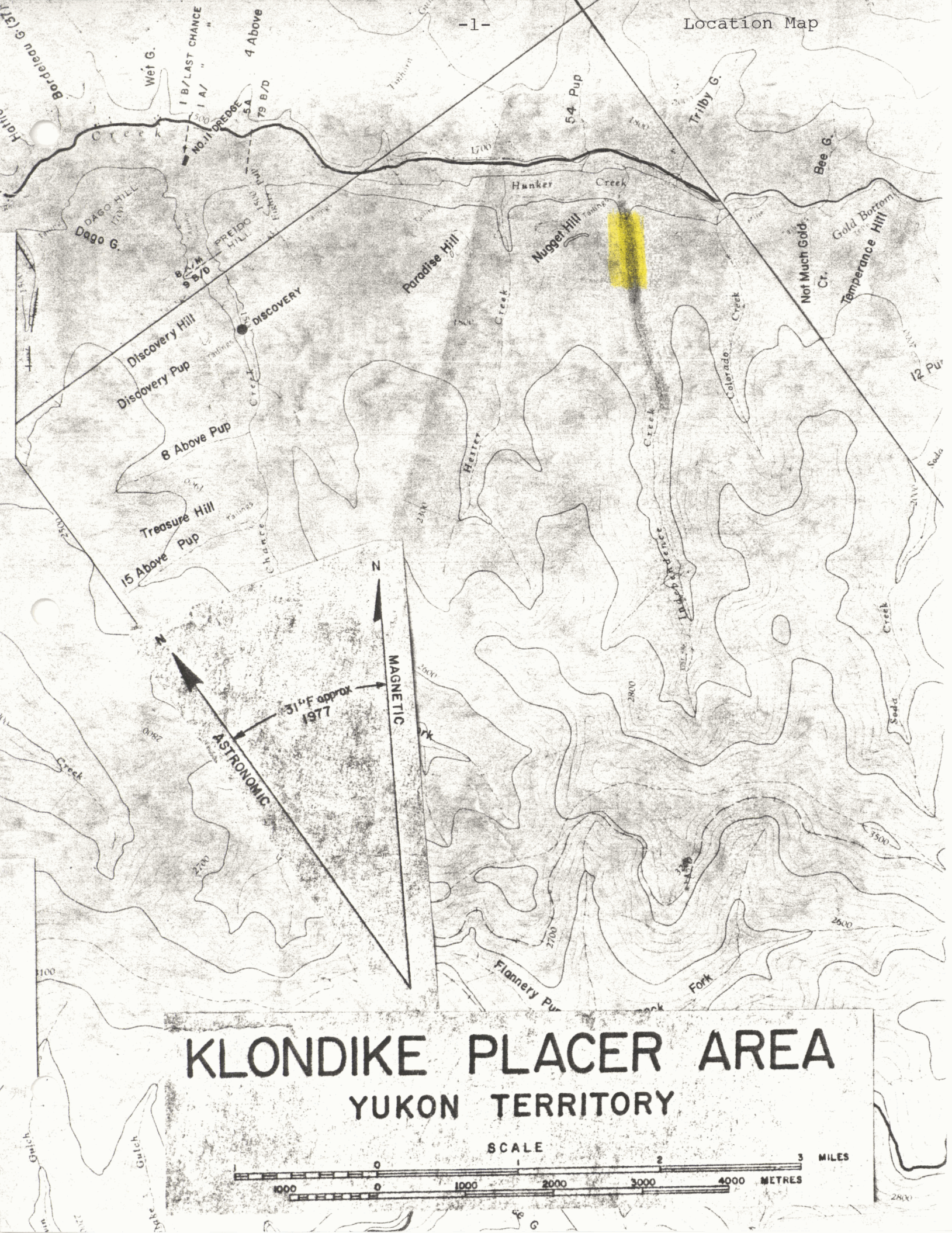
LOCATION MAP

See next pages.

Location Map



KLONDIKE PLACER AREA

YUKON TERRITORY

SCALE

0 1 2 3 MILES

1000 0 1000 2000 3000 4000 METRES


P10473
P8315
ANG 119
D/S
HUNKER CREEK
ANG. 18
ANG. 12
No 11
No 12
No 13
No 14
BEN 1
BEN 2
BEN 3
BEN 4
BEN 5
BEN 6
BEN 7
BEN 8
BEN 9
BEN 10
BEN 11
MABLE BENCH
2ND TIER BENCH
MADELINE BENCH
WILLOW
GREY
FREEDOM 1
FREEDOM 2
TONY
FREEDOM FR
TATE PLACER
GOLD FINDER
GOLDFINDER 3
GOLD FINDER 4
GOLDFINDER 5
HILL R/L
HILL L/L ABOVE 1
BENCH 2TIER LL 56 B/D
SISTER BENCH
DAN'S BENCH
GOLDFINDER 1
GOLDFINDER 2
NEW HILL 1
NEW HILL 2
NUGGET HILL
CREEK
D/S
(Downstream)
Independance Creek.

LOCATION AND ACCESS

Independence Creek is a low volume feeder creek which flows into the left limit of Hunker Creek approximately 8 miles up the Hunker Creek road from the Klondike Highway. Road access is available via the Klondike Highway and the Hunker Creek Road.

HISTORY

A search of the Yukon Government archives and published records of the Dawson Area reveals that there has been no production from the creek. However, it is apparent that when Hunker Creek was dredged the mouth of the creek was worked. In 1984 or 1985, a narrow cut was made through the lower claim in the group; apparently results were not too encouraging. There is evidence upstream that numerous test holes were sunk to bedrock during the "gold rush" or in the early 1900's. However, there is no indications that these workings were anything other than prospect shafts.

1987 DRILL PROGRAMS

A nodwell mounted Schramm drill was contracted from Midnight Sun Drilling Ltd. of Whitehorse, Yukon to drill between 1,000 and 4,000 feet of 5 inch reverse circulation drill holes on Independence Creek. The drill and

crew arrived in Dawson City late on April 1, 1987 and moved onto the first drill site in mid-afternoon of April 2nd.

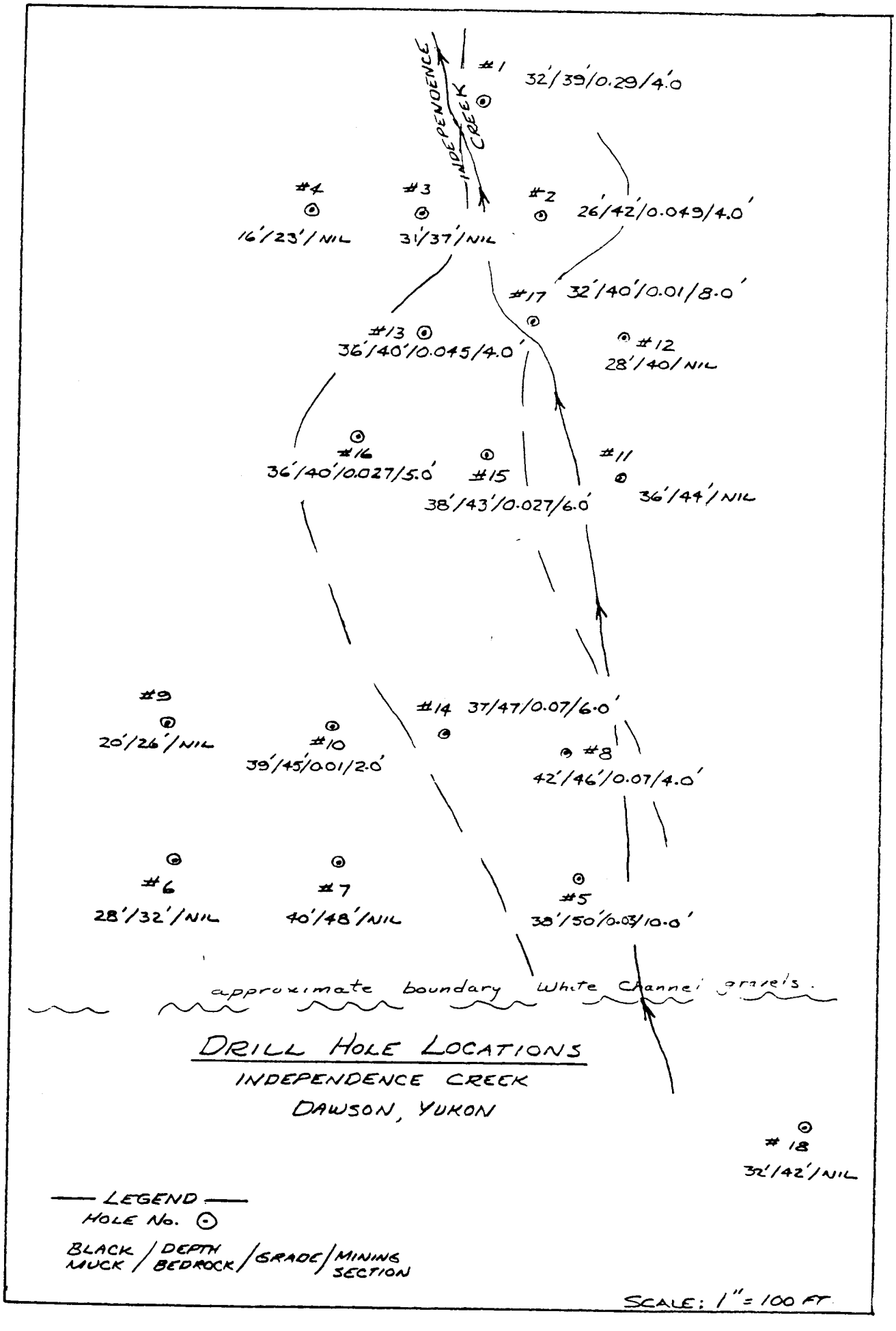
A total of 972 feet was drilled in 21 holes. The black muck section marking the top section of each hole was wasted. When ground was encountered it was returned through a 36 inch cyclone, and bagged in polyethelene bags over each 2 foot drill interval. The plan was to drill 2 to 4 feet into bedrock on each hole; however, most holes ended up being between 2 and 12 feet into bedrock because of problems identifying bedrock while drilling (drill logs are appended as Appendix A).

The samples were processed on site through a water powered vibrating sample sluice. The concentrate from each 2 foot sample was then panned, the gold extracted, dried and weighed and placed in glass vials marked with the hole number and sample interval. Drilling results are shown in Table 1 - Drill Hole Data. Drill hole locations are plotted and shown on Figure 2 - Drill Hole Locations. All drill holes are field marked with squared spruce markers with aluminum tags showing hole numbers.

DRILL HOLE DATA - INDEPENDENCE CREEK, DAWSON, Y.T.

Hole No.	Total Depth ft.	Depth Bedrock ft.	Depth Muck ft.	Thickness Gravel ft.	Mining Section Thickness ft.	Mgs Au Ratio	Mgs Fine Au	Calc. Grade ozs/Au/yd^3	Strip Ratio
1	52	39	32	7	4	19	13.7	0.029	10:1
2	46	42	26	16	4	43	30.9	0.049	10:1
3	41	37	31	6	nil	1	tr	-	-
4	30	23	16	7	nil	nil	nil	-	-
5	54	50	38	12	10	16	11.5	0.03	5:1
6	40	32	28	4	nil	nil	nil	-	-
7	54	48	40	8	nil	nil	nil	-	-
8	50	46	42	4	4	77	55.4	0.07	11.5:1
9	34	26	20	6	nil	nil	nil	-	-
10	51	45	39	6	2	5	3.6	0.01	22.5:1
11	52	44	36	18	nil	nil	nil	-	-
12	42	40	28	12	nil	nil	nil	-	-
13	50	40	36	4	4	59	42.5	0.045	10:1
14	53	47	37	10	6	93	67.0	0.070	7.8:1
15	48	43	38	5	6	36	25.9	0.027	7.1:1
16	42	40	36	4	5	30	21.6	0.027	8:1
17	44	40	32	8	8	4	2.9	0.010	5:1
18	44	42	32	10	nil	nil	nil	-	-
19	42	42	-	-	-	-	tr	-	-
20	40	40	-	-	nil	nil	nil	-	-
21	63	59	55	4	nil	nil	nil	-	-

Note: Raw Gold Grade = 720 Fine.



DRILL HOLE LOCATIONS

INDEPENDENCE CREEK

DAWSON, YUKON

DRILL RESULTS

Of the 21 holes completed during the program, 10 encountered placer gold values. Depths to bedrock in these holes varied from 39 to 47. All holes are in permafrost with the exception of Holes 8, 10 and 14, which are in thawed ground and encountered high water flows. Black muck depths in the upper sections of these holes varied from 26 to 42 feet and averaged 36 feet. Mining sections in all cases are extremely thin, varying from 2 to 10 feet and averaging 4 to 5 feet. Ideal strip ratio without allowing for sloping pit walls approaches 10:1. Allowing for 60 degree pit wall slopes, the actual strip ratios become 20:1.

CALCULATED RESERVES

Figure 2 - Drill Hole Location Map shows the boundaries of the drilled gold bearing gravels. Assuming the following:

a) mining section 4 - 5 feet;

b) channel width 130 feet;

c) channel length 600 feet.

Gold bearing gravel volumes in the drilled section can be seen to vary from 10,000 to 15,000 bank yards.

Average drill indicated grade of all 10 holes is 0.035 ozs. Au/yd^3. Contained gold in this section varies from 350 to 525 ozs. Au.

STRIP VOLUMES

Calculated strip volume considering a 38 foot stripping depth, 130 foot channel width, and 60 degrees pit walls is 292,000 yd^3 for an overall strip ratio of 20:1.

DISCUSSION AND CONCLUSIONS

As mining on the major gold bearing creeks in the Dawson area progressed, it became obvious that the best paying creek sections were related to the White Channel upper bench gravels.

These White Channel gravels were deposited by a major river system during a period of rapid erosion of the underlying Klondike. The gravels are over 90 per cent white quartz pebbles and first sized rocks with minor fragments of almost totally bleached and decomposed Klondike schist. During a period of landform stabilization they were uplifted to their present position high above the valley. New water courses cut their way into the terrain and in places cut their way through portions of the old White Channel gravels, reconcentrating the contained placer gold in the present

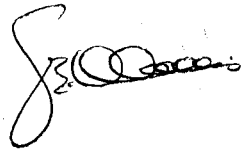
creek beds. One of the major White Channel deposits roughly follows the course of the present Hunker Creek valley.

The feeder creeks on the left limit of the Hunker Creek that cross-cuts the White Channel all proved to be extremely rich. Independence Creek barely touched the edge of this White Channel bench. This explains why the lower claims on Independence Creek show some gold values and why the upper claims are barren.

A quick look at the strip volumes of waste versus the limited amount of pay gravels on the lower end of Independence Creek shows that the creek cannot be mechanically mined at a profit (i.e. 292,000 yd^3 of waste for 10-15,000 yds^3 of pay). If it was feasible to readily hydraulically strip these claims, a mining operation might show a modest profit. At the present price of gold the claims are not economic.

RECOMMENDATIONS

It is recommended that the lower four claims on Independence Creek be kept in good standing and held until gold prices increase. At that time, it may be feasible to deal the claims to a local operator that could make effective use of spring run-off waters for stripping purposes.



APPENDIX A

INDEPENDENCE CREEK

DRILL LOGS

LINE _____ HOLE 2

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet 1 of 1 Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 32 ft.
Gravel . . . . . 7 ft.
In Bedrock . . . . . 13 ft.
Total Drilled . . . . . 52 ft.

FACTORS
Casing . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . .
Coordinates: E . . . . .
N . . . . .

GOLD
Wt. Actual . . . . . 19 mg.
Wt. Corrected . . . . . 13.7 mg.
Fineness 720
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started APRIL 2 1987
Finished " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 38 ft. to 41 ft.
Mining Sect. _____ ¢/c.y. = 904.2 mgs./c.y.
Calc. Mining Depth . . . . . 3 ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.
GRADE of MINING SECT. = 0.029

MIDNIGHT SUN DRILLING.
NODWELL MOUNTED SCHRAMM
REVERSE CIRCULATION — NOMINAL 5 INCH TRICONE.

Time Hr.	Time Min.	Depth Drilled Ft.	Gravel ~~Drive Ft.~~	Core Vol. Cu. Ft. Meas.	Core Vol. Cu. Ft. Theor.	Colors 1	Colors 2	Colors 3	Wt. Au-mg Actual	Wt. Au-mg Corr.	Formation Remarks
											Muck
		32-35				—	—	—	—	—	Gravel +py fine sand @32'
		35-38				—	—	1	1		+py
		38-40				1	1	2	19		Bedrock @39'
		40-46				—	—	—	—	—	
		46-52				—	—	—	—	—	
											Note Add 10 mg
											for cyclone
											Total wt 19 mg

Client Name and Address:

Driller CARL MCKENZIE Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 2

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 26 . . . ft.
Gravel . . . . . 16 . . . ft.
In Bedrock . . . . . + . . . ft.
Total Drilled . . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . 43 . . . . . mg.
Wt. Corrected . . . . . 30.9 . . . . mg.
Fineness . . . . . 720 . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . APRIL 2 1987
Finished . . . . . " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 40 ft. to 44 ft.
Mining Sect. ____ ¢/c.y. = ____ mgs./c.y.
Calc. Mining Depth . . . . . 4 . . . . . ft.
Au Wt. Aver. . . . . 1529 . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . f . . . . . ¢/sq. ft.

Grade Mining Section = 0.049

Time Hr.	Time Min.	Depth Drilled Ft.	Drive Ft.	Core Vol. Cu. Ft. Meas.	Core Vol. Cu. Ft. Theor.	Colors 1	Colors 2	Colors 3	Wt. Au-mg Actual	Wt. Au-mg Corr.	Formation / Remarks
		26-32				—	—	—	—	—	Silty - Gravel
		32-36				—	—	—	—	—	Gravel
		36-38				—	—	—	—	—	Gravel -PY
		38-40				—	—	—	—	—	sand -PY
		40-42				1	5	4/1	23		" +PY
		42-44				—	2	—			Bedrock @ 42'
		44-46									"
											wt. = 23 + 20
											Remarks: Add 20 mg
											for cleaning cyclone
											(Add 10 To H.1)

Client Name and Address:

1/4 = 1 5/8 speck

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-3

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet 1 of 1 Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 31 . . . ft.
Gravel . . . . . 6 . . . ft.
In Bedrock . . . . . 4 . . . ft.
Total Drilled . . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . . APRIL 3 1987
Finished . . . . . " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		31-37	5			—	—	—			Black Gr. Sch. Gravels. Pyrite
											Bedrock @ 37'
		37-41	4			—	1	—	Tr	(1)	Black Graphitic Schist B.R. Pyrite

Client Name and Addre_s:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-4

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet 1 of 1 Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 16 . ft.
Gravel . . . . . 5 . ft.
In Bedrock . . . . . 8 . ft.
Total Drilled . . . . . 30 . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____ fine oz.T)

DATE: Started . . . APRIL 3 1987
Finished . . . . . " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-16									Black muck & clay.
		16-22									Gravel & clay. Gravel
											is local schist.
		22-30				N	1	L			22'-23' Gravel (?)
											Bedrock @ 23 ft.
											END of hole - 30 ft.

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-5

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CR. CLAIM: Sheet 1 of 1 Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 38 ft.
Gravel . . . . . 12 ft.
In Bedrock . . . . . 4 ft.
Total Drilled . . . . . 54 ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started APRIL 3 1987
Finished " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-38									Muck & clay.
		38-40									Clay - some gravel
		40-50					1	1			Gravel - local schist
											Bedrock @ 50 ft.
		50-54'									Bedrock.
											-
											1st run - 38' - 50'
											2nd run - 50' - 54'

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-6

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 28 . . . . . ft.
Gravel . . . . . 4 . . . . . ft.
In Bedrock . . . . . 8 . . . . . ft.
Total Drilled . . . . . 40 . . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . APRIL 3 1987
Finished . . . . . " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-28									Muck & clay.
		28-32				N	P	L			Gravel - schist fragments.
											Bedrock @ 32'
		32-40				N	I	L			Bedrock

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-7

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet 1 of 1 Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 40 . . . . ft.
Gravel . . . . . 8 . . . . ft.
In Bedrock . . . . . 6 . . . . ft.
Total Drilled . . . . . 54 . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz. T)

DATE: Started . . . APRIL 3 . . . . . 19 87
Finished . . . APRIL 4 . . . . . 19 87

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-40									Muck & clay.
		40-48				N	/	L			Schistose gravel & clay.
		48-54				//	/	L			Bedrock @ 48 ft.
											Cleaned cyclone - much
											pyrite, Nil gold

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-8 RL

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CR. CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 30 . ft.
Gravel . . . . . 16 . ft.
In Bedrock . . . . . 4 . ft.
Total Drilled . . . . . 50 . ft.

FACTORS
Casing . . . . . .

SAT. APRIL 4/87

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . 77 . . . . . mg.
Wt. Corrected . . . . . 55.4 . . . mg.
Fineness . . . . . 720 . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . . APRIL 4 1987
Finished . . . . . " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 42 ft. to 47 ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . 5 . . . . . ft.
Au Wt. Aver. . . . . 2.93 . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.
Grade Mining Section = 0.07

Time Hr.	Time Min.	Depth Drilled Ft.	Drive Ft.	Core Vol. Cu. Ft. Meas.	Core Vol. Cu. Ft. Theor.	Colors 1	Colors 2	Colors 3	Wt. Au-mg Actual	Wt. Au-mg Corr.	Formation / Remarks
		0-13									THAWED Muck - lots of water
		13-30									Muck & Clay.
		30-42						1	Panned later		Muck & Gravel mix
		42-46				3	3		77		Schistose Gravel. Bedrock
		[redacted]									@ 45' (?)
		46-50				N	1	L			Bedrock

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-9

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 20 . . . ft.
Gravel . . . . . 6 . . . ft.
In Bedrock . . . . . 8 . . . ft.
Total Drilled . . . . . 34 . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . . APRIL 4 . . . . . 19 87
Finished . . . . . " 19 87

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-18									Muck & clay
		18-20				N	1	L			clayey gravel
		20-26									schistose gravels
											bedrock @ 26 Feet
		26-34				N	1	L			Bedrock
											Cyclone v sm tr.

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-10 Center

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 39 . . . . ft.
Gravel . . . . . 6 . . . . ft.
In Bedrock . . . . . 6 . . . . ft.
Total Drilled . . . . . 51 . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . 5 . . . mg.
Wt. Corrected . . . . . 3.6 . . . mg.
Fineness . . . . . 720 . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S. _____ /fine oz. T)

DATE: Started . . APRIL 4 1987
Finished . . . . . " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 45 ft. to 47 ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . 2 . . . . . ft.
Au Wt. Aver. . . . . 356 . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Grade MINING SECTION = 0.01

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-13									Thawed muck
		13-39				M	1	2			Frozen muck & clay
		39-45				M	1	2			schist gravel
		45-51				0	0	1			Bedrock
											Bedrock @ 45 ft.

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

LINE _____ HOLE 87-4

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CR. CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 30 . . . ft.
Gravel . . . . . 14 . . . ft.
In Bedrock . . . . . 8 . . . ft.
Total Drilled . . . . . 52 . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started APRIL 4 1987
Finished APRIL 4 . . . . . 19 87

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-30									Muck & clay.
		30-36	—			N	1	L			clay & gravel.
		36-44				N	1	L			Schist gravel
		44-52				N	1	L			Graphitic Schist B.R.

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-12

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK. CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 28 ft.
Gravel . . . . . 12 ft.
In Bedrock . . . . . 2 ft.
Total Drilled . . . . . 42 ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . APRIL 4 1987
Finished . . . . . " 19 87

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

SAT Apr. 4/87

Time Hr.	Time Min.	Depth Drilled Ft.	Drive Ft.	Core Vol. Cu. Ft. Meas.	Core Vol. Cu. Ft. Theor.	Colors 1	Colors 2	Colors 3	Wt. Au-mg Actual	Wt. Au-mg Corr.	Formation / Remarks
		0-28									Frozen muck & clay
		28-40				M	L	L			Gravel & clay
		40-42									clay.
		42-									

Client N me and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-13

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK CLAIM: Sheet 1 of 1 Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 36 ft.
Gravel . . . . . 10 ft.
In Bedrock . . . . . 4 ft.
Total Drilled . . . . . 50 ft.

FACTORS
Casing . . . . . 5 INCH TRICONE BIT.

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . .
Coordinates: E . . . . .
N . . . . .

GOLD
Wt. Actual . . . . . 59 . . . . . mg.
Wt. Corrected . . . . . 42.4 . . . mg.
Fineness . . . . . 800 . 720 . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . . APRIL 4 1987
Finished . . April . 5 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 36 ft. to 42 ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . 6 . . . . . ft.
Au Wt. Aver. . . . . 1.399 . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.
Grade Mining Section = 0.045

Time Hr.	Time Min.	Depth Drilled Ft.	Drive Ft.	Core Vol. Cu. Ft. Meas.	Core Vol. Cu. Ft. Theor.	Colors 1	Colors 2	Colors 3	Wt. Au-mg Actual	Wt. Au-mg Corr.	Formation Remarks
		0-36									Black muck & clay
		36-40				1	2 FS 2	14	59		Gravel (36-38 coloured)
											(38-40 is schistose)
		40-44				M	1	L			Decomposed schist bedrock
		46-50									Bedrock @ 46 feet.
											Note: More black sand
											less pyrite

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-14

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 37 . ft.
Gravel . . . . . 10 . ft.
In Bedrock . . . . . 6 . ft.
Total Drilled . . . . . 53 . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . 93 . . . mg.
Wt. Corrected . . . . . 66.9 . . mg.
Fineness . . . . . 720 . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . APRIL 5 1987
Finished . . . APRIL 5 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 43 ft. to 49 ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . 6 . . . . . ft.
Au Wt. Aver. . . . . 2207 . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.
Grade Mining Section = 0.07

Time Hr.	Time Min.	Depth Drilled Ft.	Drive Ft.	Core Vol. Cu. Ft. Meas.	Core Vol. Cu. Ft. Theor.	Colors 1	Colors 2	Colors 3	Wt. Au-mg Actual	Wt. Au-mg Corr.	Formation / Remarks
		0-37									Muck & clay.
											Lots of water @ 13'
		37-43						1			Gravel & clay
		43-47				2	3	3			Gravel.
		47-53						3			Bedrock @ 47'

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-15

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 38 ft.
Gravel . . . . . 5 ft.
In Bedrock . . . . . 5 ft.
Total Drilled . . . . . 48 ft.

FACTORS
Casing . . . . .

13→15 = 214°
4%

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . .
Coordinates: E . . . . .
N . . . . .

GOLD
Wt. Actual . . . . . 36 . . . . mg.
Wt. Corrected . . . . . 25.9 . . . mg.
Fineness . . . . . 720 . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S. _____ /fine oz.T)

DATE: Started . . . . April 5 19
Finished . . . . - 5 19

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 38 ft. to 44 ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . 6 . . . . . ft.
Au Wt. Aver. . . . . 8.54 . . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Grade Mining Section = 0.027

Time Hr.	Time Min.	Depth Drilled Ft.	Drive Ft.	Core Vol. Cu. Ft. Meas.	Core Vol. Cu. Ft. Theor.	Colors 1	Colors 2	Colors 3	Wt. Au-mg Actual	Wt. Au-mg Corr.	Formation Remarks
		0-38									Muck fc/s,
		38-44					1	3	36		Gravel
											Bedrock @ 43
		44-48									Bedrock @ 43'

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 16

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . 36 ft.
Gravel . . . . . 4 ft.
In Bedrock . . . . . 2 ft.
Total Drilled . . . . . 42 ft.

FACTORS
Casing . . . . .

13 → 16 = 224°
= 5%

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . .
Coordinates: E . . . . .
N . . . . .

GOLD
Wt. Actual . . . . . 30 . . . . mg.
Wt. Corrected . . . . . 21.6 . . . mg.
Fineness . . . . . 720 . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . APRIL 5 1987
Finished . . . . " 1987

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. 36 ft. to 41 ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . 5 . . . . . ft.
Au Wt. Aver. . . . . 855 . . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Grade Mining Section = 0.027

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-36									Muck & clay with water
		36-40					2	5			Gravel (sandy).
		40-42									Bedrock @ 40

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 17

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . 0.136 . . sq. ft.
1/7.33

DEPTH
Muck . . . . . 32 . . . ft.
Gravel . . . . . 8 . . . ft.
In Bedrock . . . . . 4 . . . ft.
Total Drilled . . . . . 44 . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . 4 . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started 4/6/87 19
Finished 19

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
											Muck
		32-40						5			Sand + Gravel
		40-44				M	1	L			Bedrock @ 40'

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 18

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . ft.
Gravel . . . . . ft.
In Bedrock . . . . . ft.
Total Drilled . . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started . . . 4/6/87 19
Finished 19

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		0-32									Muck
		32-42				N	1	L			Sand & gravel
		42-44				N	1	L			Bedrock at 42

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 27-19

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . ft.
Gravel . . . . . ft.
In Bedrock . . . . . ft.
Total Drilled . . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started 19
Finished 19

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
								1			
				BR 42'							

Client Name and Address: Downstream on Rt on bank of Cut
1.5 mg

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-20

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . ft.
Gravel . . . . . ft.
In Bedrock . . . . . ft.
Total Drilled . . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started 19
Finished 19

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled Ft.	Drive Ft.	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.			Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
						H	1	L			
				BR	40'						

Client Name and Address:

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____

LINE _____ HOLE 87-21

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: CLAIM: Sheet of Sheets

DRILL DATA
Shoe OD . . . . . in.
Shoe ID . . . . . in.
Inside Area . . . . . sq. ft.

DEPTH
Muck . . . . . ft.
Gravel . . . . . ft.
In Bedrock . . . . . ft.
Total Drilled . . . . . ft.

FACTORS
Casing . . . . . .

COLORS AVG. WT.
No. 1 = > 5 mg
2 = 1-5 mg
3 = <1 mg

HOLE DATA
Elevation: . . . . . .
Coordinates: E . . . . . .
N . . . . . .

GOLD
Wt. Actual . . . . . mg.
Wt. Corrected . . . . . mg.
Fineness . . . . . .
Raw Au Value . . . . . ¢/mg.
(for $ U.S._____/fine oz.T)

DATE: Started 19
Finished 19

TIME LOG
Moving . . . . . hrs.
Drilling . . . . . hrs.
Pulling . . . . . hrs.
Delays . . . . . hrs.
Total . . . . . hrs.

CALCULATED VALUE
Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ ¢/c.y. = _____ mgs./c.y.
Calc. Mining Depth . . . . . ft.
Au Wt. Aver. . . . . mg./c.y.
Au Aver. Value . . . . . ¢/c.y.
Au Aver. Value . . . . . ¢/sq. ft.

Time		Depth Drilled	Drive	Core Vol. Cu. Ft.		Colors			Wt. Au-mg		Formation
Hr.	Min.	Ft.	Ft.	Meas.	Theor.	1	2	3	Actual	Corr.	Remarks
		~~59-63~~									8
		0-55									Muck & clay
		55-59				N	1	L			Schisty gravels.
		59-63				N	1	L			Bedrock @ 59 ft schist

Client Name and Address:

Less pyrite than nearby holes

Driller_____ Project Super._____ Calc. By_____

Helpers_____ Approved_____

Helpers_____