

EXPLORATION INCENTIVES PROGRAM

Designation Number #EIP86-042

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.

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

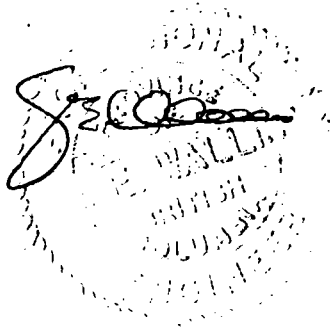
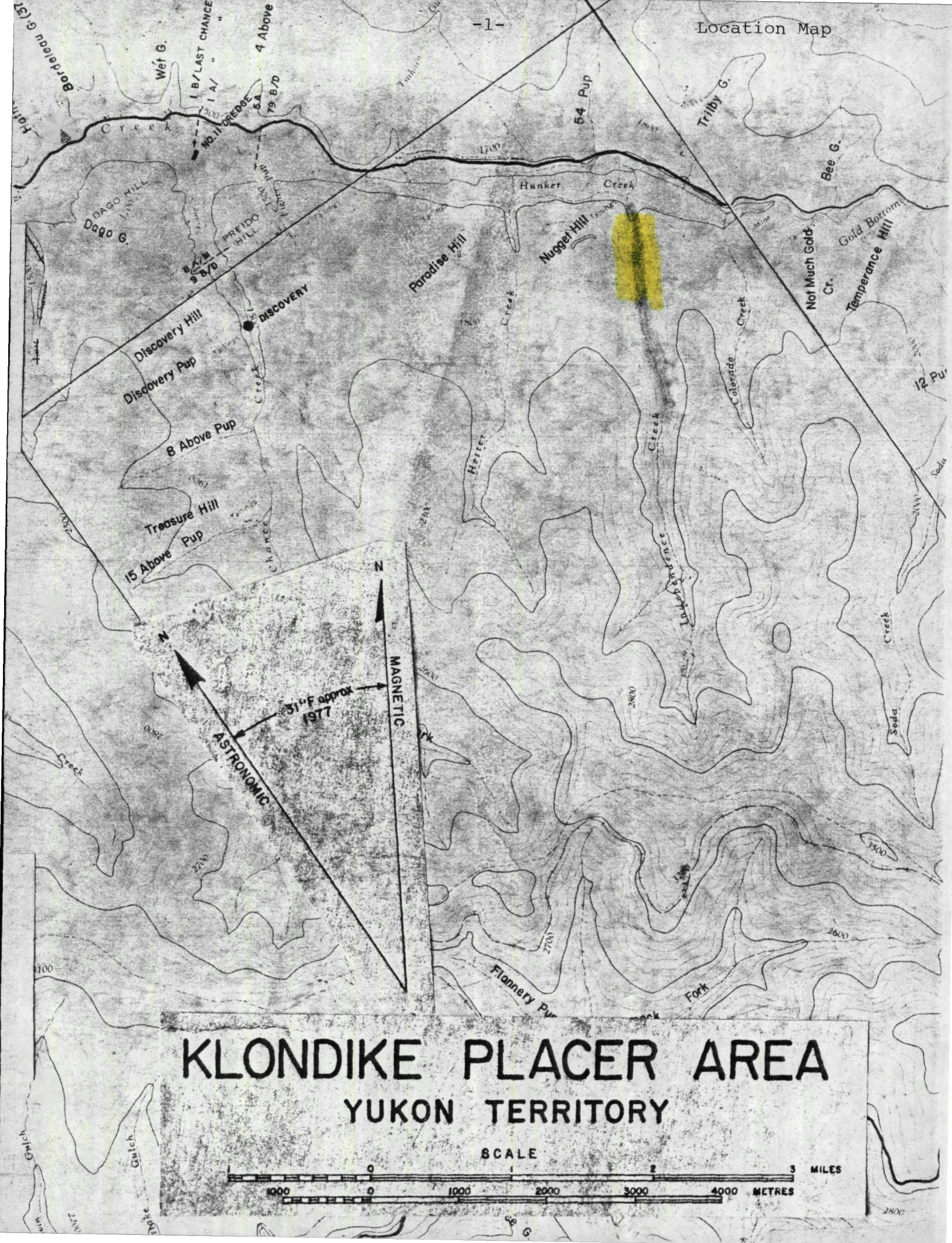
A circular official stamp is located at the bottom of the page. It contains the text "J.E. WALLIS" and "P.ENG." in a circular arrangement. A handwritten signature, which appears to be "J.E. Wallis", is written across the center of the stamp.

TABLE OF CONTENTS

	Page
Location Map	1
Location and Access	2
History	2
1987 Drill Program	2
Table 1 - Drill Hole Data	4
Figure 2 - Drill Hole Locations	5
Drill Results	6
Calculated Reserves	6
Strip Volumes	7
Discussion and Conclusions	7
Recommendations	8

LOCATION MAP

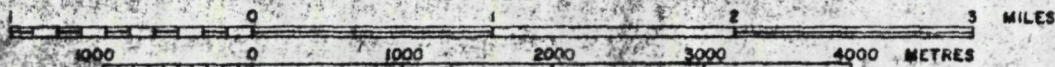
See next pages,



KLONDIKE PLACER AREA

YUKON TERRITORY

SCALE





P10473

P8315

P28243

P8543

P19534

P19535

H2853

H2854

H2855

H2856

H2857

H2858

H2859

H2860

HILL 47-46

37703

P82

35630

HUNKER CREEK

ANG. 18

ANG. 12

MABLE BENCH

2ND TIER BENCH

FREEDOM BENCH
MADDERNE BENCH

WILLOW

GREY

P8867

P10389

P7377

P7378

P11344

NEW HILL 2

P11345

HILL 3

GOLDGRAB FR.
P20249
CC1

CC2

CC3

P9714

P18860

P19368

37687

P7394

P28911

P28912

P28913

P28914

P28915

HILL R/L

37691

HILL R/L

37692

SISTER BENCH

P11009

FORD #3

P24326

FORD #2

P24327

FORD #3

P24328

FORD #4

P24329

FORD #5

P24330

FORD #6

P24331

NUGGET HILL

GOLDFINDER 3

GOLDFINDER 4

GOLDFINDER 5

FREEDOM 1

FREEDOM 2

TONY

FREEDOM FR.

TATE PLACER

GOLD FINDER

CREEK

D/S

(Downstream)

Independance Creek.

016923

1 MILE

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.

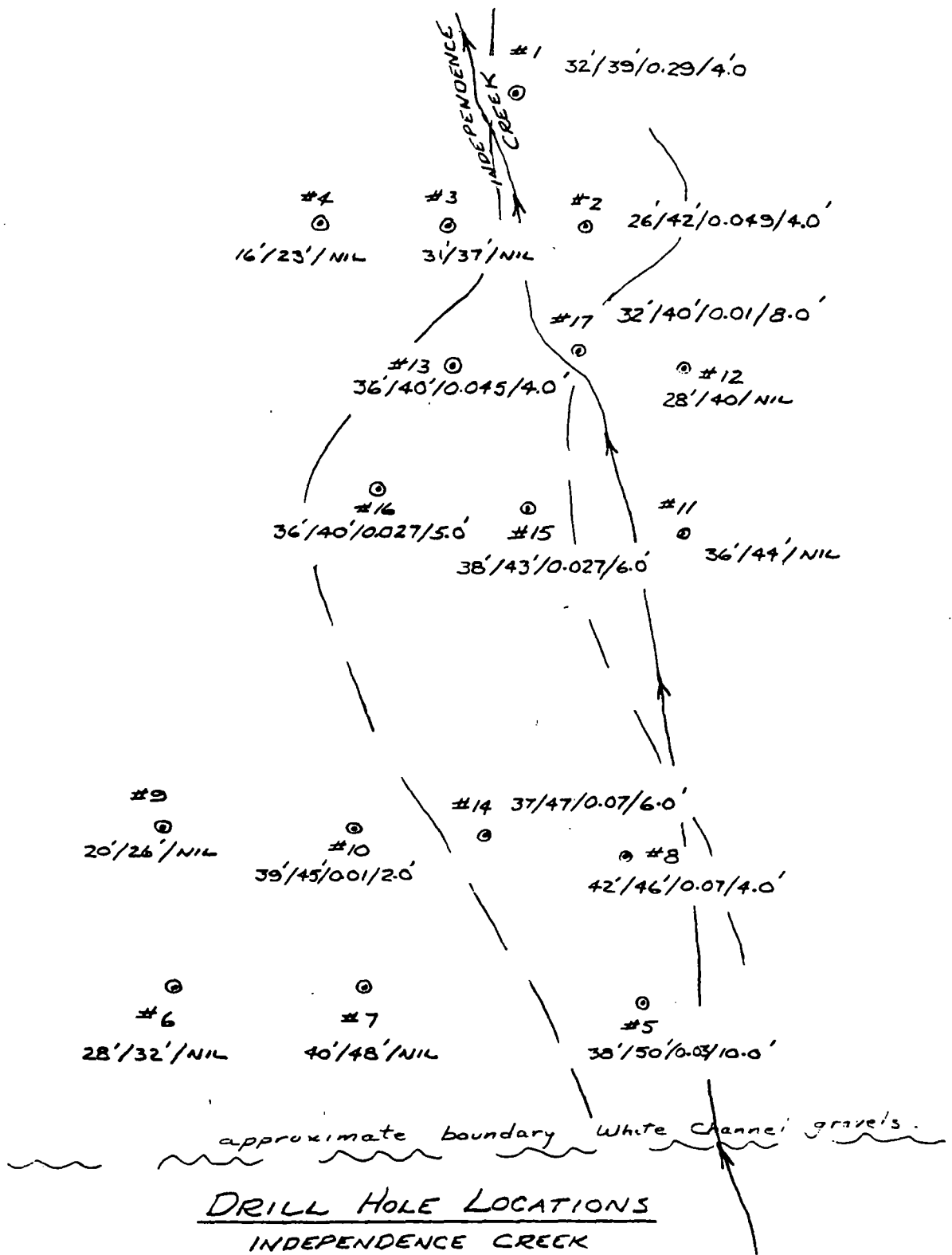
A total of 972 feet was drilled in 21 holes. The black muck section marking the top section of each hole was wasted. When ground was encountered it was returned through a 36 inch cyclone, and bagged in polyethelene bags over each 2 foot drill interval. The plan was to drill 2 to 4 feet into bedrock on 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.



— LEGEND —
HOLE No. (O)
BLACK / DEPTH / GRADE / MINING
MUCK / BEDROCK / SECTION

SCALE: 1" = 100 FT.

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/yd³.
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 yd³ 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

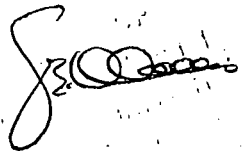
creek beds. One of the major White Channel deposits roughly follows the course of the present Hunker Creek valley.

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 yd³ of waste for 10-15,000 yds³ 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.

A handwritten signature in black ink, appearing to be 'J. J. [unclear]', is located at the bottom center of the page. The signature is written in a cursive style with a large initial 'J'.

APPENDIX A

**INDEPENDENCE CREEK
DRILL LOGS**

ARCTIC ENGINEERING SERVICES LTD.

Sheet 1 of 1 Sheets

DATE: Started APRIL 2 1987

Finished 19 87

TIME LOG

Casing

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

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

REVERSE CIRCULATION - NOMINAL 5 INCH TRICONE

[illegible]

Client Name and Address:

Driller CARL MCKENZIE Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Help: _____

3

CLAIM:

Sheet of Sheets

Grade Minin Section = 0.049

Remarks: Add 20 mg
for cleaning cyclone
(Add 10 to H.I.)

$$\Delta = 15, \text{ spek}$$

Helpers _____

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.

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

DATE: Started APRIL 3 1987
Finished " 1987

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
N

GOLD

Wt. Actual mg.
Wt. Corrected mg.
Fineness
Raw Au Value ¢/mg.
(for 9 U.S. _____ /fine oz. T)

CALCULATED VALUE

Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ c/c.y. = _____ mgs./c.y.
Calc. Mining Depth ft.
Au Wt. Aver. mg./c.y.
Au Aver. Value c/c.y.
Au Aver. Value c/sa. ft.

FACTORS

Casing

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

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.

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

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

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
 N

GOLD

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

CALCULATED VALUE

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

FACTORS

Casing

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

Sheet 1 of 1 Sheets

Casing

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

Client Name and Address:

Helpers _____

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK

CLAIM:

Sheet of Sheets

DRILL DATA

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

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

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

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
 N

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

FACTORS

Casing

GOLD

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

CALCULATED VALUE

Mining Sect. _____ ft. to _____ ft.
 Mining Sect. _____ $\text{¢/c.y.} =$ _____ mgs./c.y.
 Calc. Mining Depth ft.
 Au Wt. Aver. mg./c.y.
 Au Aver. Value ¢/c.y.
 Au Aver. Value ¢/sq. ft.

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

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.

COLORS AVG. WT.

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

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

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
N

FACTORS

Casing

GOLD

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

CALCULATED VALUE

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

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

Sheet of Sheets

Helpers _____

ARCTIC ENGINEERING SERVICES LTD.

55

PROJECT: INDEPENDENCE CREEK CLAIM:

Sheet of Sheets

DRILL DATA

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

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

DATE: Started . . . April 4 . . . 1937
Finished . . . " . . . 1987

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
N

GOLD

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

CALCULATED VALUE

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

FACTORS

Casing

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

Sheet of Sheets

Grade MINING SECTION = 0.01

Client Name and Address:

Helpers _____

LINE _____ HOLE 2-1
CES LTD REL. above comp

CLAIM:

Sheet of Sheets

COLORS **AVG. WT.**

DATE: Started APRIL 4 1987
Finished APRIL 4 1987

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)

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 $\text{\$/c.y.}$
Au Aver. Value $\text{\$/sq. ft.}$

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

inlipers

ARCTIC ENGINEERING SERVICES LTD.

PROJECT: INDEPENDENCE CREEK.

CLAIM:

Sheet of Sheets

DRILL DATA

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

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

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

DEPTH

Muck	2.8	ft.
Gravel	1.2	ft.
In Bedrock	2	ft.
Total Drilled	4.2	ft.

HOLE DATA

Elevation:
Coordinates: E
 N

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

FACTORS

Casing

GOLD

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

CALCULATED VALUE

Mining Sect. _____ ft. to _____ ft.
Mining Sect. _____ t/c.y. = _____ mgs./c.y.
Calc. Mining Depth, ft.
Au Wt. Aver. mg./c.y.
Au Aver. Value t/c.y.
Au Aver. Value t/sq. ft.

SAT. APR. 4/87

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

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.

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

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

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
N

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

FACTORS

Casing

GOLD

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

CALCULATED VALUE

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

5 INCH TRICONE BIT.

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

Sheet of Sheets

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

Wt. Actual 93 mg.
Wt. Corrected 66.9 mg.
Fineness 720
Faw Au Value c/mg.
(for \$ U.S. _____ /fine oz. T)

Mining Sect. 43 ft. to 49 ft.
Mining Sect. _____ ϵ /c.y. = _____ mgs./c.y.
Calc. Mining Depth 6 ft.
Au Wt. Aver. 2207 mg./c.y.
Au Aver. Value ϵ /c.y.
Au Aver. Value ϵ /sq. ft.

Grade Mining Section = 0.07

Casing

[illegible]

Client Name and Address:

Welders _____

ARCTIC ENGINEERING SERVICES LTD.

PROJECT:

CLAIM:

Sheet of Sheets

DRILL DATA

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

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

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

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
 N

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

FACTORS

Casing

$$13 \rightarrow 15 = 214^\circ$$

$$47^\circ$$

GOLD

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

CALCULATED VALUE

Mining Sect. 38 ft. to 44 ft.
Mining Sect. _____ c/c.y. = _____ mgs./c.y.
Calc. Mining Depth, 6 ft.
Au Wt. Aver. 854 mg./c.y.
Au Aver. Value c/c.y.
Au Aver. Value c/sq. ft.

Grade Mining Section = 0.027

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

ARCTIC ENGINEERING SERVICES LTD.

Sheet of Sheets

Helpers _____

ARCTIC ENGINEERING SERVICES LTD.

Sheet of Sheets

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

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

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

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

CALCULATED VALUE

Mining Sect. _____ ft. to _____ ft.
 Mining Sect. _____ c/c.y. = _____ mgs./c.y.
 Calc. Mining Depth ft.
 Au $\frac{1}{2}$ l. Aver. mg./c.y.
 Au Aver. Value c/c.y.
 Au Aver. Value c/sq. ft.

[illegible]

Client Name & Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

ARCTIC ENGINEERING SERVICES LTD.

PROJECT:

CLAIM:

Sheet of Sheets

DRILL DATA

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

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

DATE: Started 19
Finished 19

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
 N

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

FACTORS

Casing

GOLD

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

CALCULATED VALUE

Mining Sect. _____ ft. to _____ ft.
 Mining Sect. _____ ϵ /c.y. = _____ mgs./c.y.
 Calc. Mining Depth, ft.
 Au Wt. Aver. mg./c.y.
 Au Aver. Value ϵ /c.y.
 Au Aver. Value ϵ /sq. ft.

[illegible]

Client Name and Address:

Downstream on Rk on bank of cut
15 mg

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

ARCTIC ENGINEERING SERVICES LTD.

PROJECT:

CLAIM:

Sheet of Sheets

DRILL DATA

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

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

DATE: Started 19
Finished 19

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
N

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

FACTORS

Casing

GOLD

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

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./c.y.
 Au Aver. Value c./sq. ft.

[illegible]

Client Name and Address:

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____

ARCTIC ENGINEERING SERVICES LTD.

PROJECT:

CLAIM:

Sheet of Sheets

DRILL DATA

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

COLORS **AVG. WT.**

No. 1 = > 5 mg
2 = 1-5 mg
3 = < 1 mg

DATE: Started 19
Finished 19

DEPTH

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

HOLE DATA

Elevation:
Coordinates: E
 N

TIME LOG

Moving	hrs.
Drilling	hrs.
Pulling	hrs.
Delays	hrs.
Total	hrs.

FACTORS

Casing

GOLD

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

CALCULATED VALUE

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

[illegible]

Client Name and Address:

Less pyrite than nearby holes

Driller _____ Project Super. _____ Calc. By _____

Helpers _____ Approved _____

Helpers _____