

94E/6E  
94E-1

830890

SUMMARY REPORT

EXPLORATION DRILLING PROGRAM

POTENTIAL (GOLD) PLACER DEPOSITS

TOODOGGONE RIVER VALLEY AND TRIBUTARY CREEKS

NORTHERN BRITISH COLUMBIA

INTRODUCTION

A total of nine (9) placer mining leases (5 special and 4 ordinary) were acquired late in 1960. These covered an area of approximately 11-1/2 square mile in the valley of the Toodoggone River plus the lower portions of McLaren and Moosehorn Creeks (tributary to the Toodoggone River).

The area had been test drilled in 1934-6, under the direction of Mr. Sam Hancock, a placer engineer of considerable reputed experience. Good gold values were reported (and confirmed verbally by Hancock) from this drilling, but no detailed record or maps showing the drill results could be obtained. The area was taken under lease on the strength of these reported results.

An experienced Placer Engineer (Mr. C. F. Herbert), was engaged. A joint preliminary examination of the ground by Herbert and C. H. E. Stewart was made in early June, 1961. This examination indicated the existence of large volumes (100,000,000 cubic yards plus) of potential dredging gravels in the valley of the Toodoggone River. In addition, there were lesser, but substantial yardages of possible sluicing and/or hydraulicking gravel in the valley of both McLaren and Moosehorn Creeks. These two areas were regarded as satellitic to the main river valley gravel deposits. Successful exploitation of the creek gravels would only become feasible provided large yardages of profitable dredging ground was proven in the main river valley and detailed exploration also proved payable yardages in the valley of the two creeks.

The only way to check the ground was by a preliminary drilling program. This procedure was recommended by Herbert and concurred in by Stewart. A program of 20-30 check holes was laid out as a preliminary exploration project.

OPERATION

C. F. Herbert was engaged to take charge of the field work on the job, with C. H. E. Stewart maintaining general overall supervision.

During the period June 25 - July 12, the necessary equipment and supplies were purchased in Seattle, Vancouver and other localities, freighted to and assembled at Fort St. James (On Stuart Lake), Northern British Columbia).

Principal items of equipment consisted of:

- 1 - Fairbanks "Model 58" Churn Drill complete with cable, tools, bits, accessories and engine.
- 1 - Case "Terrtrac 500" diesel tractor, with torque converter, angle dozer and winch.
- 1 - River punt 16' x 5' - built in two knockdown longitudinal sections for air transport.
- 1 - 35 H.P. outboard motor.
- 1 - rocker
- 1 - chain saw - gas driven.
- 1 - Core (sludge) pump
- 1 - two-way radio telephone transmitter.

Testing accessories, cookery equipment, propane stove and camp equipment.  
Miscellaneous tools, wrenches, chain tongs.  
Food supplies, gasoline and diesel fuel oil.  
Sufficient 4" casing had been located at the property and was found to be in good condition.

A Fairchild "Husky" aircraft was leased. All equipment was dismantled down to size required for air transportation at Fort St. James and air lifted to a dock site, which had been established by an advance party on Toodoggone Lake, an air line distance of 240 miles. The boat was re-assembled at dock site and used to move all equipment and supplies up river (5 miles) to the drilling site. Camps were established at this location and the equipment re-assembled.

A crew of experienced drillers and panners plus the required helpers and auxiliary personnel were assembled and flown to the property (10 men).

The air lift and re-assembly job started on July 13 and was completed by July 25. First drilling actually commenced on the latter date.

DRILLING PROGRAM

The area selected for check drilling covered the alluvial fan at the junction of McLaren Creek and a complete cross section of the Toodoggone River valley. This section was reported by Hancock to have returned consistently good (in fact high) gold values in the original drilling. It thus covered the area where any unduly high concentration of gold values might be expected as a "fan" at the mouth of McLaren Creek.

The job was personally supervised and checked by Herbert throughout all phases.

Drilling commenced on July 25th and was continued to August 21st on a 2-shift basis.

A total of fifteen (15) holes were completed (plus one abandoned at 22-1/2' due to a broken casing). Results were uniformly low, running from nil or trace to a maximum of 5-6 cents per cubic yard over short sections.

Total Footage Drilled: 1,060 feet.

All concentrate from pannings was personally completed to final clean up, gold recovery and weigh-up stage by Herbert. Any gold recovered was cleaned with nitric acid and weighed to the nearest milligram (0.10¢ at \$35.00 gold).

All tailings from panning operations were put through the rocker as a check against any possible gold losses. Extra precautions were exercised to ensure against any gold losses in drilling or recovering sludges from the holes.

A close liaison was maintained between Herbert and Stewart throughout the job.

The drilling proved conclusively that there was no chance of establishing a profitable dredging operation in the valley of the Toodoggone River. The values reported by Hancock both in press releases in 1934-5 and to Stewart in person can only be classed as without foundation in fact.

Without a profitable dredging operation as the main activity, the chance of establishing small scale auxiliary hydraulic or sluicing operations on either McLaren or Moosehorn Creek offers no attraction from a profit standpoint.

Herbert was authorized to suspend drilling operations on completion of Hole #15 (480.6 - 33.1 on attached map).

An inspection trip was made to the property by Stewart over the period August 24th-27th inclusive and all phases of the job and situation fully discussed with Herbert.

The outfit assembled (drill, tractor and auxiliary equipment) constitutes (with some minor additions such as casing, welding outfit, etc.) a complete and efficient placer prospecting unit.

It was decided to salvage all equipment and supplies of value.

Herbert was requested to complete a final report on the operation.

#### EQUIPMENT DISPOSAL

A tractor road was bulldozed down the river valley from the camp and drilling location to Toodoggone Lake (about 4-1/2 miles). All equipment items and supplies considered worth salvaging were listed and earmarked for transportation to a loading site on Toodoggone Lake. Large and heavy pieces will be disassembled for air transportation. The plan involves air lifting the entire lot to Bulkley House (at head of Takla Lake). Thence by boat and barge to Fort St. James (foot of Stuart Lake) for truck transportation (via Central Freightways Limited) to Prince George for storage. The tractor will be overhauled and reassembled prior to storage. It is anticipated that all equipment will be delivered and in storage at Prince George by October 20, 1961.

The outfit will be held for sale "en bloc" or use in exploring other prospects.

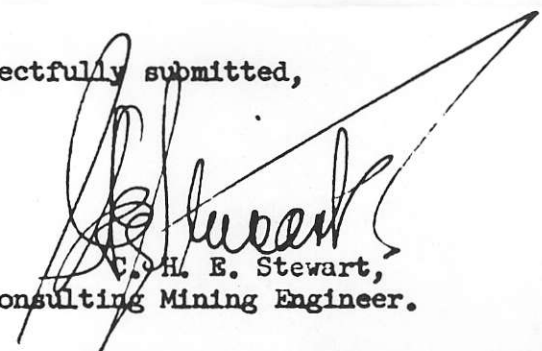
#### FINANCIAL

It is estimated that sufficient funds are on hand to complete the storage phase of the job and meet all obligations.

Accounts are being brought up-to-date. All accounts should be in hand and a final accounting possible on or about November 15, 1961.

As soon as these accounts are available in final form, a meeting of the participants will be called to discuss and decide on future policy. The basis for all share allotments will also be finalized and made.

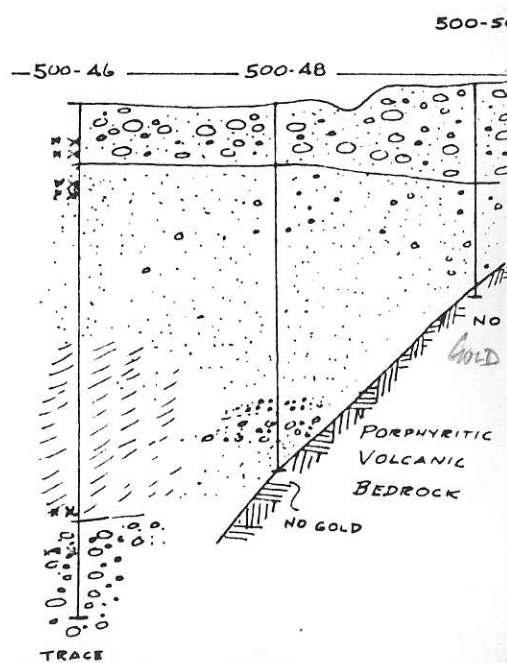
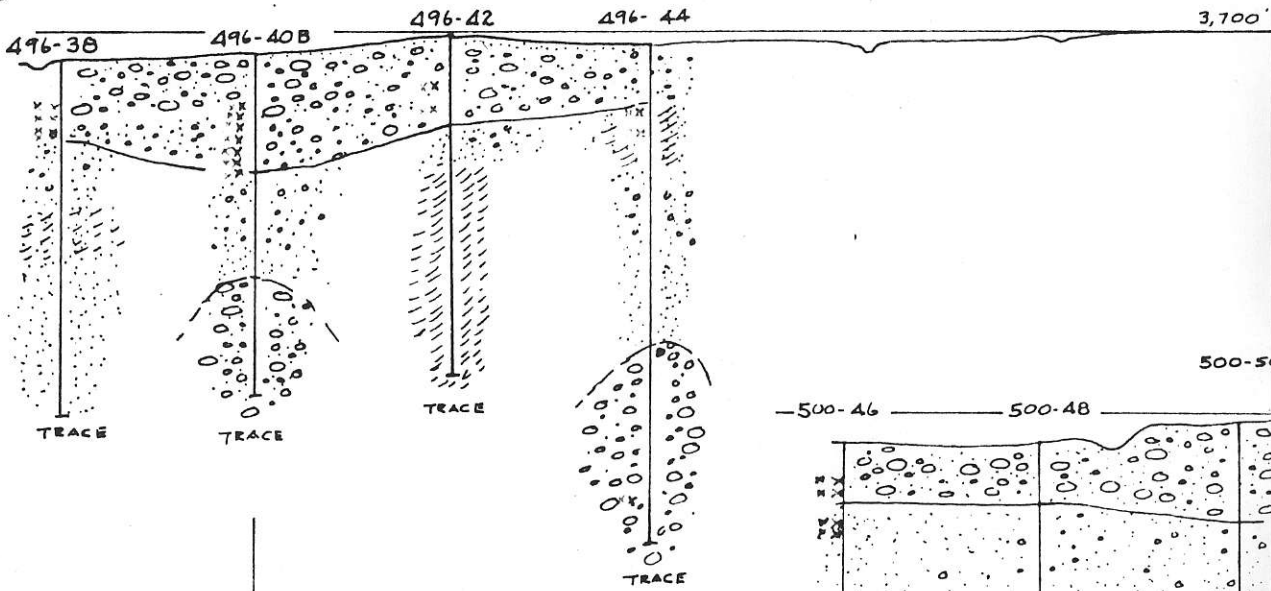
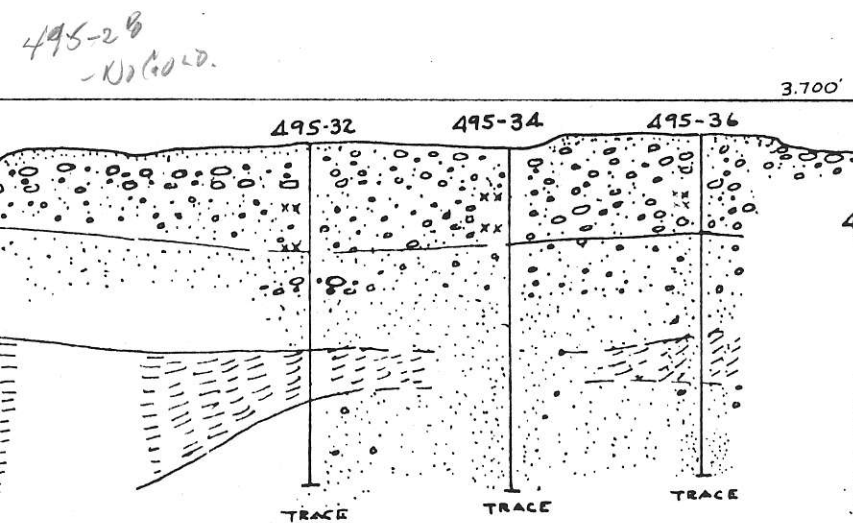
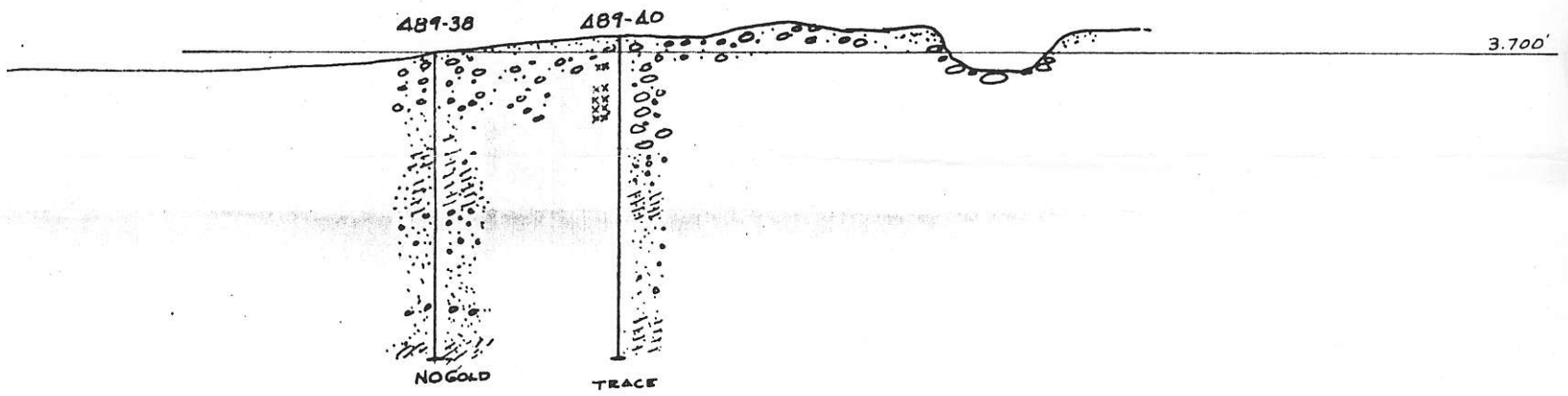
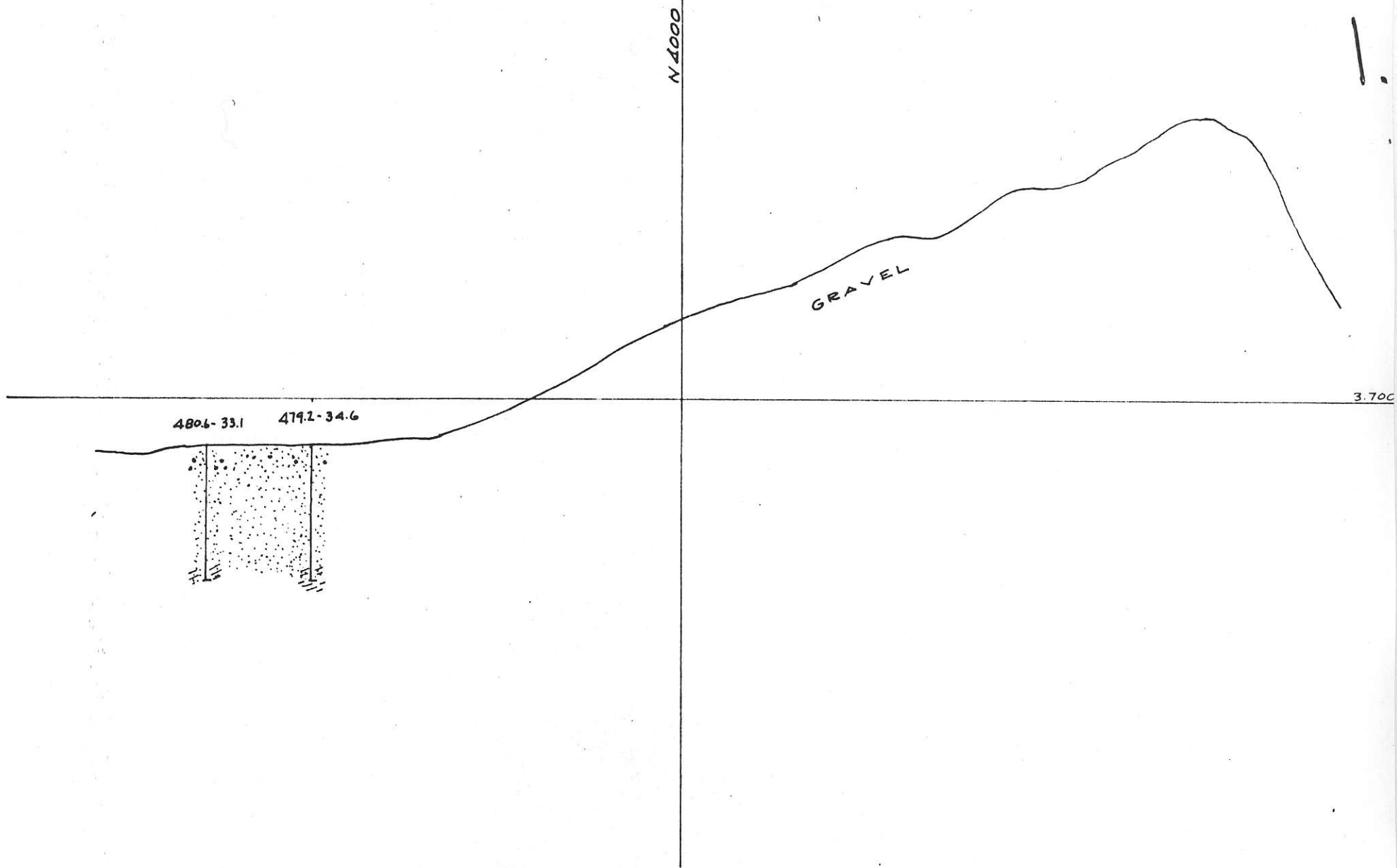
Respectfully submitted,

  
C. H. E. Stewart,  
Consulting Mining Engineer.

Toronto, Ontario,  
September 27, 1961.

#### Appendices:

1. Report on operation - by C. F. Herbert, dated August 27, 1961.
2. Churn drilling record and Log of holes.
3. Plan and section of Holes drilled.



- LEGEND -

- COARSE GRAVEL    000
- FINE GRAVEL    0000
- SAND    00000
- MUD (GLACIAL SILT)    //
- BEDROCK    / / / / /
- COLORS OF GOLD    xx

NORTHERN ALLUVIALS DEVELOPMENT, LTD.  
 TOODOGGONE RIVER, B.C.  
 JULY 25 - AUG. 21, 1961      C.F. HERBERT

SCALE: HORIZ. - 1" = 200'  
 VERT. - 1" = 40'

TRACTOR ROAD  
(crosses ch.)

COOKHOUSE  
500-50  
43'-NIL

BENCH  
50' TO 200' ABOVE VALLEY  
CRUDELY SORTED GRAVEL  
RIDGES, VALLEYS AND ELONGATED POT  
HOLES ROUGHLY PARALLEL McLAREN CR.  
BUT AVERAGE GRADIENT IS TO SW

500-48  
75 1/2'-NIL

500-46  
106'-TR

496-44  
102'-TR

496-42  
71'-TR

496-40B  
70'-TR

496-38  
73 1/2'-TR

489-40  
70'-TR  
OLD SHAFTS

489-38  
70'-NIL

495-36  
70'-TR

495-34  
70'-TR

495-32  
70'-TR

495-28  
70'-NIL

NORTHERN ALLUVIALS DEVELOPMENT  
TOODOGGONE RIVER, B.C.  
JULY 25 - AUG. 21, 1961  
C.F. HERBERT

SCALE: 1" = 200'

94E/6E  
94E-1

4.000 N

4.000

BENCH  
(GLACIAL SILT)

479.2-34.6  
40-NIL (13)

480.6-33.1  
40-NIL (12)

SWAMP

E 48000

49,000

E 52000

TOODOGGONE RIVER

McLAREN CR.

4" CASING  
5 1/2" SHOE

CHURN DRILLING RECORD  
TOODOGGONE RIVER, B.C.

JULY 25 - AUG. 21, 1961

SHEET 1

DRILL HOLE	CO-ORDINATE	ELEVATION	DEPTH FT.	VALUE/ CUBIC YD.	FORMATION
479.2-34.6	N 3.463 E 47.921	3686.4	40	NIL	SAND, SILT, LITTLE FINE GRAVEL (LAKE BED?)
480.6-33.1	N 3.312 E 48.057	3,686.5	40	NIL	SAND, SILT, LITTLE FINE GRAVEL (LAKE BED?)
489-38	N 3.800 E 48.900	3,700.7	66	NIL	0-16' MEDIUM GRAVEL, LITTLE CLAY 16'-70' FINE GRAVEL, SAND, SILT
489-40	N 4.000 E 48.900	3,703.5	70	TRACE	0-24' COARSE GRAVEL, LITTLE CLAY - LITTLE GOLD 24'-70' FINE GRAVEL, SAND
495-28	N 2.800 E 49.500	3,685.8	70	NIL	0-7' COARSE GRAVEL 7'-11' FINE GRAVEL 11'-34' SAND, LITTLE FINE GRAVEL 34'-70' GLACIAL SILT
495-32	N 3,200 E 49,500	3,690.6	70	TRACE	0-9' MEDIUM & FINE GRAVEL, SOME CLAY 9'-26' SAND & FINE GRAVEL, LITTLE GOLD 26'-31' COARSE GRAVEL 31'-41' SAND 41'-49' MUD, WOOD, QUICKSAND 49'-70' SAND, SOME FINE GRAVEL
495-34	N 3.400 E 49.500	3,690.3	70	TRACE	0-32' GRAVEL, SOME CLAY, LITTLE GOLD 32-70 SAND, FINE GRAVEL
495-36	N 3,600 E 49,500	3,693.0	70	TRACE	0-20' GRAVEL AND SAND, LITTLE GOLD 20'-55' SAND & FINE GRAVEL 55'-70' FINE SAND
496-38	N 3.799 E 49.597	3,693.6	73 1/2	TRACE	0-12' GRAVEL, LITTLE GOLD 12'-14' FINE GRAVEL, CEMENTED, LITTLE GOLD 14'-73 1/2 SAND & FINE GRAVEL, LITTLE GOLD @ 20'
496-40A	N 3.999 E 49.603	3,695.6	22 1/2	TRACE	0-22 1/2' COARSE GRAVEL, 2mg. gold
496-40B	N 3.997 E 49.603	3,695.6	70	TRACE	0-26' GRAVEL, LITTLE GOLD (38 COLORS UNDER 1 mg. - TOTAL) 26'-46' SAND & FINE GRAVEL 46'-70' LOOSE GRAVEL WITH SAND LAYERS, LITTLE GOLD
496-42	N 4.198 E 49.603	3,699.5	71	TRACE	0-19' GRAVEL, LITTLE GOLD 19'-26' SAND & FINE GRAVEL 26'-71' GLACIAL SILT
496-44	N 4.398 E 49.607	3,697.5	102	TRACE	0-27' GRAVEL, SAND, SOME MUD, LITTLE GOLD 27'-61' FINE SAND 61'-102' COARSE GRAVEL & SAND
500-46	N 4.597 E 49.999	3,693.3	106	TRACE	0-17' GRAVEL, SAND, LITTLE GOLD 17'-86' SAND & GLACIAL SILT 86-106' GRAVEL

CHURN DRILLING RECORD  
TOODOGGONE RIVER, B.C.

SHEET 2

DRILL HOLE	CO-ORDINATES	ELEVATION	DEPTH FT.	VALUE/ CUBIC Y.D.	FORMATION
500-48	N 4,797 E 50,000	3,694.1	75 1/2	NIL	0-12' COARSE GRAVEL 12'-28' FINE GRAVEL 28'-60' SAND & FINE GRAVEL 60'-63' FINE GRAVEL, CEMENTED 63'-69' GRAVEL 69'-75' SAND 75'-75 1/2' HARD, VOLCANIC BEDROCK
500-50	N 5,000 E 50,000	3,698.2	43		0-20' LOOSE GRAVEL 20'-40' SAND, SOME GRAVEL 40'-43' HARD, VOLCANIC BEDROCK



Moosehorn Creek Groupe	
M7	T. Allah
M6	H.A. Reid
M5	Johnny Bob
M4	J.A. Broley
M3	P.E.R. Williams
M2	T.H. Nicholson
M1	G. Mel. Bell

Ⓜ MOOSEHORN

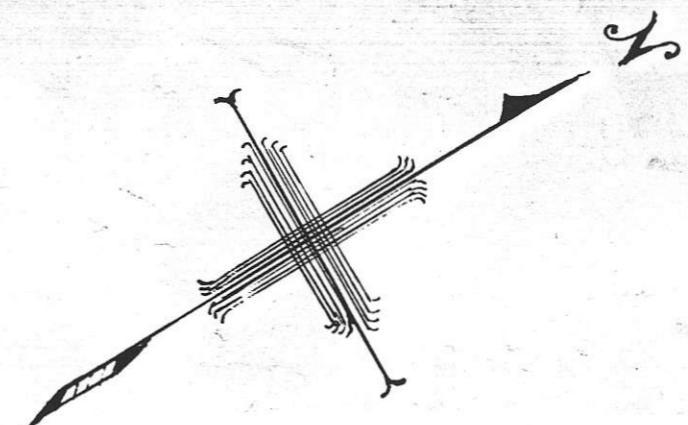
McLaren Creek Groupe	
A	C.W. Piersdorff
A1	J.W. Blatchford
A2	J. Standridge
A3	J.J. O'Connor
A4	E.R.R. Field
A5	E.E. Silverwood
A6	M.S. Hutchinson
A7	A. Rankin
A8	K. Cunningham
A9	T.H. Nicholson
PB	L. Mulvany
PB1	G. Smith
PB2	A.J. MacCormack
PB3	D. Stinton
PB4	J.J. O'Connor
PB5	M. Phillips
PB6	Bob Abestie
PB7	G.W. McLaren

ⓐ APEX LEASES (BENCHES)  
 ⓑ PRAIRIE BELL LEASES

Two Brothers River Groupe - Leases and Filings of 1934 - Approx. 80 Acres each					
T.B.1	Garfield Smith	T.B.19	Henry John	T.B.37	Albert T. Dodge
2	G.W.G. MacConachie	20	Jim Dennis	38	A. Cunningham
3	R.M. Halperny	21	G. Mel. Bell	39	Fred Abbott
4	T.H. Nicholson	22	Grace Holman	40	A.J. MacCormack
5	J.S. Peppard	23	Bob Abestie	41	C.L. Dodge
6	D. Stinton	24	N.S. Smith	42	H.J. Broley
7	J. Benson	25	J.A. Broley	43	H.A. Reid
8	Johnny Bob	26	W.M. McCool	44	P.E.R. Williams
9	Jim Moyez	27	Marg. Phillips	45	T. Allan
10	E.R.R. Field	28	H.J. Harris	46	T. Aitken
11	E.E. Silverwood	29	P. McCool	47	R.M. Halperny
13	M.S. Hutchinson	30	G. Max. Bell	48	B. Marshall
12	J.W. Blatchford	31	M. Cunningham	49	Leon Dennis
14	C.W. Piersdorff	32	L. Mulvany	50	E.A. Broley
15	Gordon Bell	33	J.W. Adair	51	Peter Dennis
16	B. Phillips Est.	34	J. Standridge	52	G.W. McLaren
17	H.A. Bell	35	Hazel E. Young	53	O. Lundberg
18	Alex Jack	36	J.J. O'Connor	54	N. McCullum

ⓐ TWO BROTHERS CREEK LEASES

94E/6E  
 94E-1,18



MAP SHOWING  
 PROPERTIES HELD & FILED BY  
**TWO BROTHERS VALLEY GOLD MINES LTD**  
 - ON -  
 TWO BROTHERS CREEK, McLAREN CREEK,  
 AND  
 MOOSEHORN CREEK  
 C.L. DODGE - FIELD ENGINEER  
 October 30, 1934 Scale 1/4 inch = 4000 Feet.  
 J.J. O'CONNOR } MANAGING DIRECTORS  
 G. MEL. BELL }  
 H.V. O'CONNOR } SECRETARY

