

87-543-16329

FERNIE



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

| TYPE OF REPORT/SURVEY(S) | TOTAL COST |
|--------------------------|-------------|
| DRILLING | \$24,604.87 |

AUTHOR(S) Alfred R. Allen SIGNATURE(S)

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED June 5, 1987 YEAR OF WORK 1987

PROPERTY NAME(S) ALDER

FILMED

COMMODITIES PRESENT

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Fort Steele NTS 82G/6W

LATITUDE 49°27'18" LONGITUDE 115°24'42"

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)).

Aspen 3, Aspen 5, Alder*6, Alder 7, Alder*8. (100 units)

OWNER(S)
(1) R.H. Stanfield (2) Ross Stanfield

MAILING ADDRESS
350-4723 1st St. S.W. Calgary, Alberta T2G 0A1
P.O. Box 24 Galloway, B.C. V0B 1P0

OPERATOR(S) (that is, Company paying for the work)
(1) R.H. Stanfield (2)

MAILING ADDRESS
350-4723 1st St. S.W.
Calgary, Alberta T2G 0A1

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size) and attitude):
The drill cuttings are composed of light to dark grey limestone similar to the Upper Devonian limestone which outcrops within the Rocky Mountain Trench to the east of the drill site.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

REFERENCES TO PREVIOUS WORK

16,329

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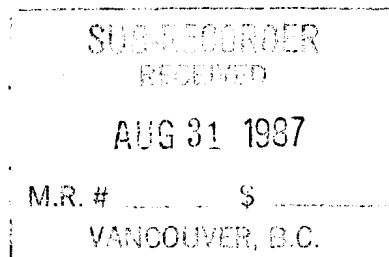
COSTS STATEMENT

CERTIFICATE

MAPS:

1. Location
2. Topography and claims
3. Claims area
4. Alder #6 Claim and P-6-87
Scale 1/12,500

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A. INTRODUCTION

A hole was drilled on the Alder #6 claim of the #1 Alder Group, using air rotary percussion equipment, May 16 - June 5 1987.

The drilling was contracted by R.H. Stanfield to Fort Steele Mineral Corporation.

The hole was completed to a depth of 147.2 metres.

The object of the drilling was to determine the nature and condition of bedrock at this location within the Rocky Mountain Trench.

B. LOCATION

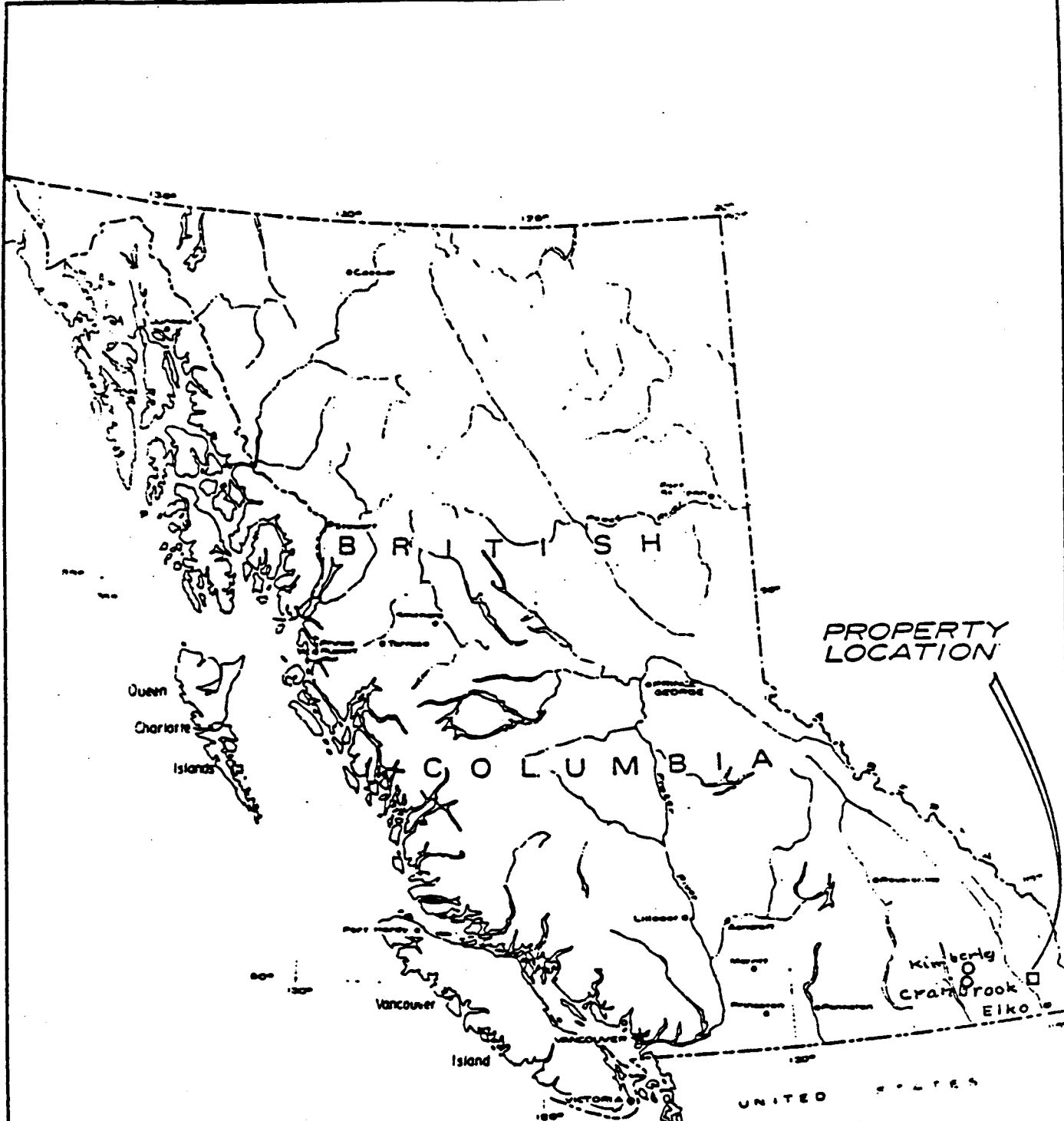
The Alder #6 claim of the Alder #1 Group is located on the east side of the Kootenay River, 2 kilometres southeast from the village of Bull River in the Fort Steele Mining Division.

Access is via secondary roads from Bull River.

C. PROPERTY

The #1 Alder Group includes the following 20 unit mineral claims:

| | |
|---------|--------|
| Aspen 3 | (1791) |
| Aspen 5 | (1792) |
| Alder 6 | (2407) |
| Alder 7 | (2408) |
| Alder 8 | (2409) |



R.H. STANFIELD PROPERTY

LOCATION MAP

SCALE: 1" = 136 MILES

| | | |
|------------|---------|--------------------------------------|
| Drawn by | Dgt | ALLEN GEOLOGICAL ENGINEERING LTD. |
| Checked by | 25/8/87 | |
| | ara | |

D. PHYSIOGRAPHY

The Alder #1 Group northwest corner is on the Bull River, the southwest corner of the Alder #6 claim is on the Kootenay River, the northeast corner includes the shallow lake on the east side of the secondary road from Galloway to the Bull River mine. The southeast corner is 2.5 kilometres northwest from Tie Lake.

Elevations range from 753 metres on the Kootenay River to 1,342 metres near the northeast area of the property. The remainder is low relief between 880 metres and 970 metres.

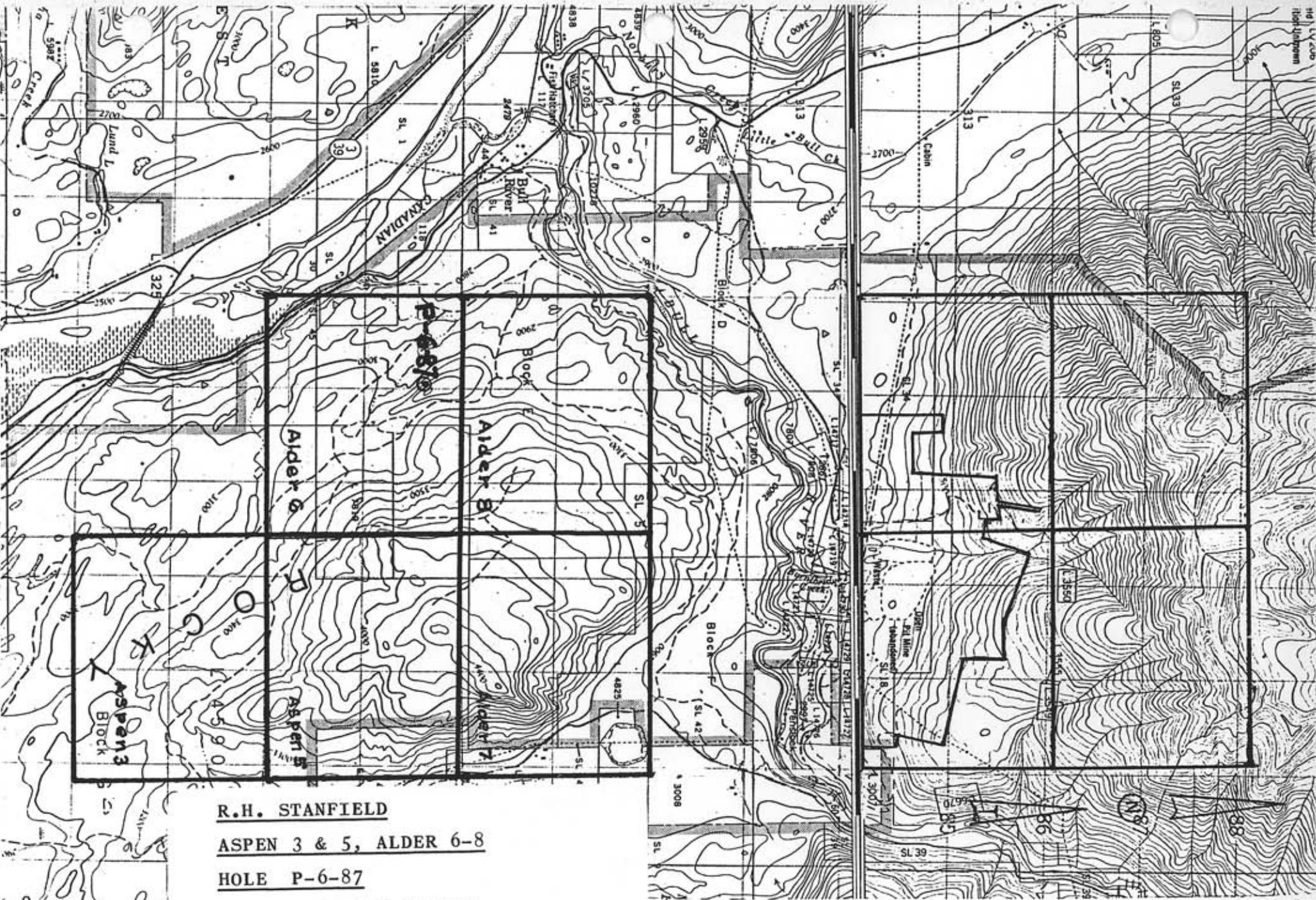
Two small lakes are located on the central area of the Alder 6 claim and a larger one on the northeast corner of the Alder 7 claim.

E. GEOLOGY

There are few outcrops on or near the property. Light to dark grey banded limestone was recovered from the drill hole on the Alder 6 claim. It is believed to be Upper Devonian which is exposed within the Trench to the east. At 100 to 120 metres depth however, micaceous specks in the light grey cuttings may indicate an alteration phase.

F. THEORY

The drill cuttings show no resemblance to Aldridge type material thus it is evident that the hole is located west of the major fault forming the western limit of the local Precambrian strata.



R.H. STANFIELD

ASPEN 3 & 5, ALDER 6-8

HOLE P-6-87

TOPOGRAPHY AND CLAIMS

Aug/87

No.2

Allen Geological Engineering

Per Alfred B. Allen P. Eng.

G. OBJECT OF THE DRILLING

The drill hole was collared within the Rocky Mountain Trench, east of the Kootenay River.

Limestone recovered from the hole is believed to be from Upper Devonian strata.

The hole was located to check the stratigraphy at this location and provide evidence that the favourable Precambrian strata lie to the east.

H. PREVIOUS WORK

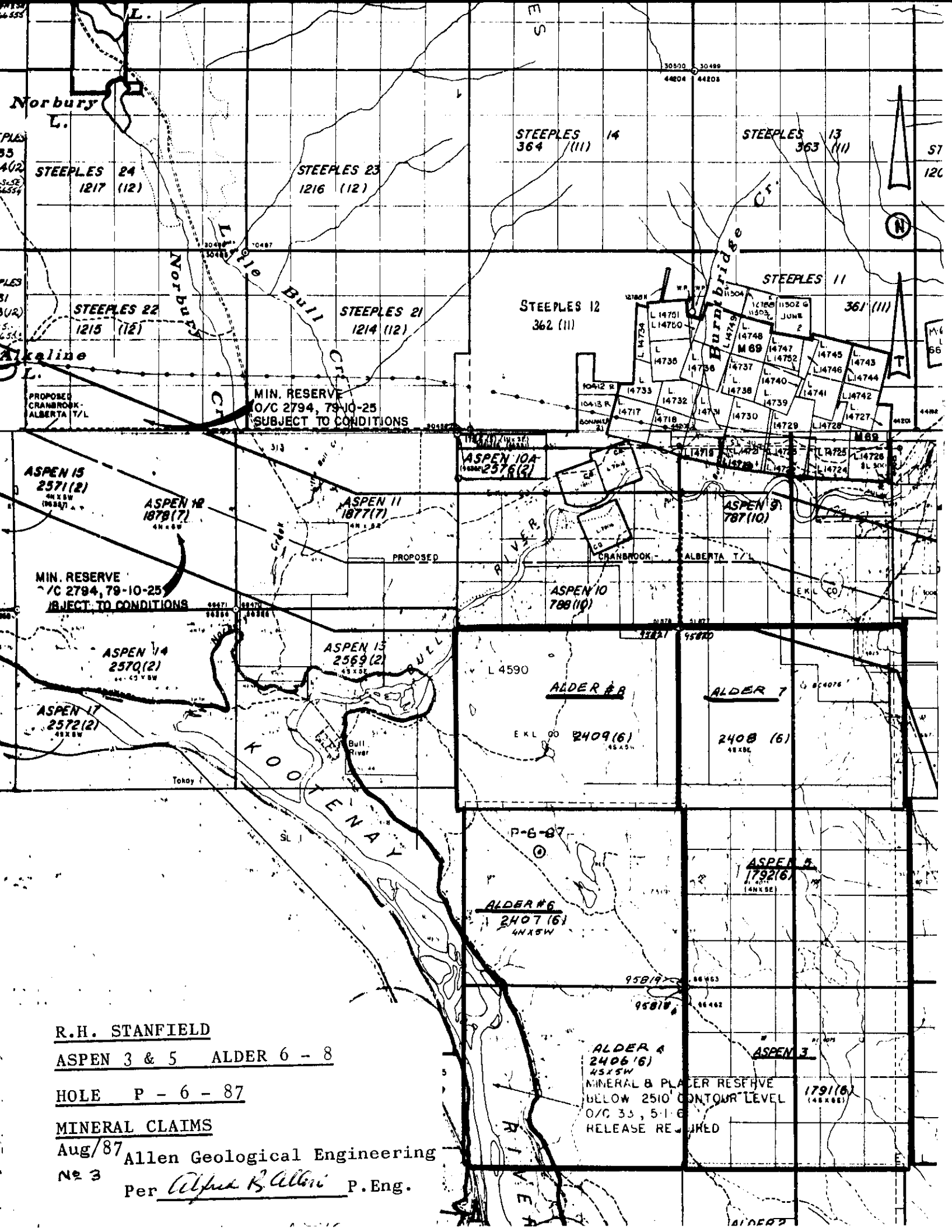
G.B. Leech AND R.L. Langenheim Jr. of the G.S.C. mapped the area in 1956-57 and published Paper 58-10.

Field Excursions Guide books of the Twenty-fourth Session of the International Congress including descriptions of the subject area were published in 1972.

Placid Oil Company of Texas produced from 1972 to 1974 from the Bull River mine and provided excellent geological and geophysical reports and maps of the mine area.

Mr. R.H. Stanfield has conducted ground and airborne surveys over the area since the late 1960's.

Reports of the mapping and drilling have been provided by the writer.



R.H. STANFIELD

ASPEN 3 & 5 ALDER 6 - 8

HOLE P - 6 - 87

MINERAL CLAIMS

Aug/87 Allen Geological Engineering

No 3 Per Alfred B. Allen P. Eng.

I. THE AIR-ROTARY-PERCUSSION DRILLING

The drill hole on the Alder #6 claim was contracted with the following equipment and crew from Strathmore, Alberta.

- 1 Ingersol Rand T H -60 rotary percussion drill rig with compressor and accessories
- 1 Drill stem trailer
- 1 Five ton water truck
- 1 thirty-foot rods trailer and rods
- 1 Pick-up 4w.d. Truck

Mr. Don Murray, driller , Strathmore, Alberta
 Mr. Duane Bocek, Driller, " "

The Stanfield crew assisted as follows,

Mr. Ross Stanfield Jr., Coordinator
 Mr. Brent Skene, foreman
 1 4 w d Truck

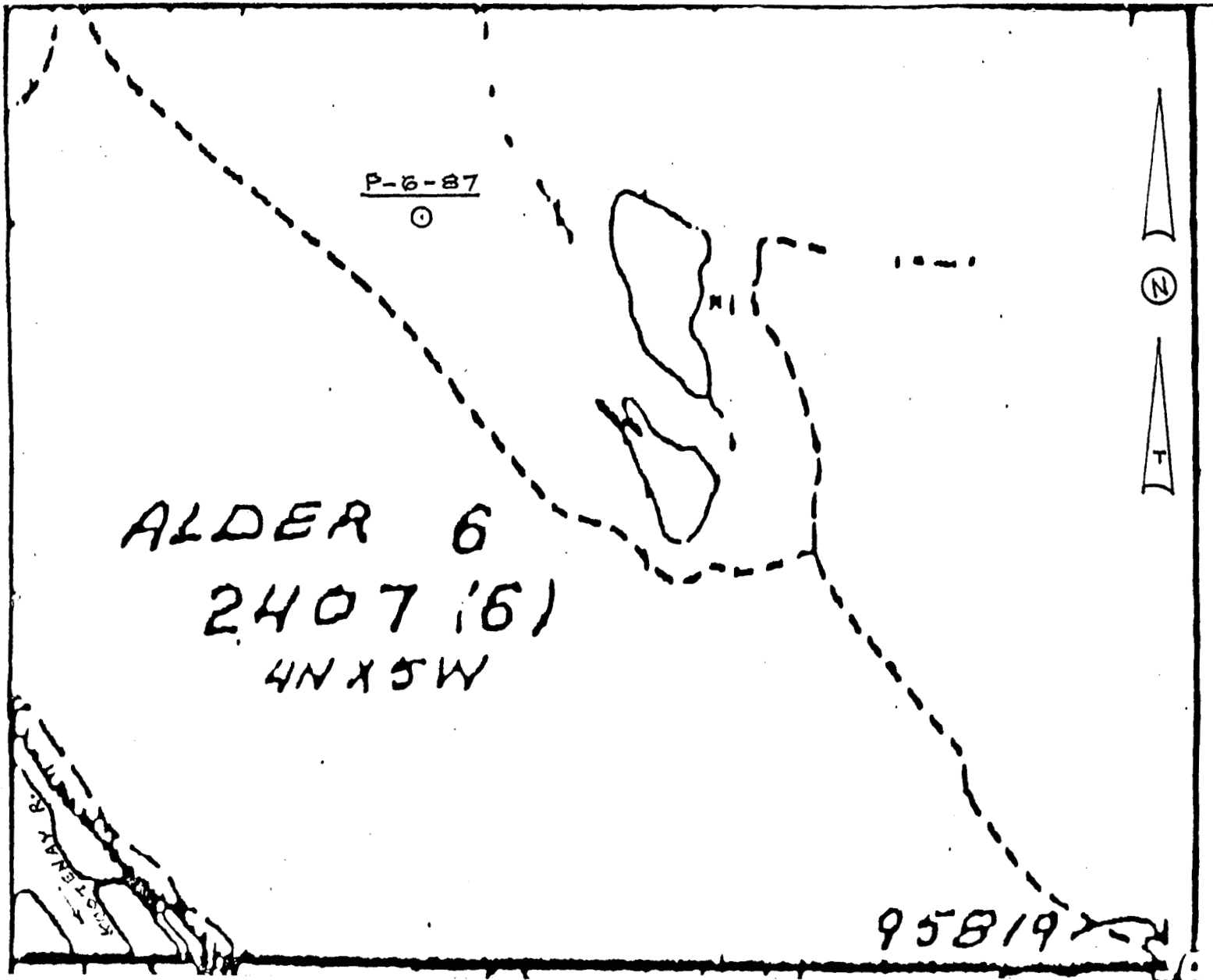
J. DRILLING RESULTS

The drill cuttings were bagged and stored in the core house at the Stanfield camp. (on Cedar #1)

The cuttings were logged by Alfred R. Allen, P.Eng.

The 147 metres of hole provided cuttings determined to be from Upper Devonian limestone strata, by observation and dilute hydrochloric acid testing.

*The cuttings were not assayed.
 The drill hole was collapsed in an outcrop.*



0 500 1000 1500
Scale - m.

R.H. STANFIELD

ALDER #6 CLAIM

DRILL HOLE P - 6 - 87

Aug/87

Allen Geological Engineering

No 4

Per Alfred K Allen P. Eng.

K. DISCUSSION

The Precambrian Aldridge formation on the Stanfield property is the favourable location for the copper, silver, gold mineralization of the Bull River mine.

At or near the east boundary of the Rocky Mountain Trench there is a major fault, which appears to be the western boundary of the Aldridge formation.

The trace of the fault, due to extensive overburden cover, is not accurately established. It is important, therefore, that the location be established within reasonable limits.

L. SUMMARY

The vertical 147 metre air rotary percussion hole drilled on the Alder #6 claim, at elevation 945 metres above sea level and 1,500 metres northeast of the Kootenay River, has established that the Rocky Mountain Trench at this location is underlain by Devonian limestone.

It is concluded that the Aldridge Precambrian formation which is host for the local copper, silver, gold mineral deposits, is located to the east, probably on the east side of the Trench.

Submitted by,

ALLEN GEOLOGICAL ENGINEERING LTD.

Per Alfred R. Allen P.Eng.

Alfred R. Allen

August 1987.



FORT STEELE MINERAL CORPORATION LTD.

COSTS STATEMENT

ROTARY DRILLING REPORT

R.H. STANFIELD

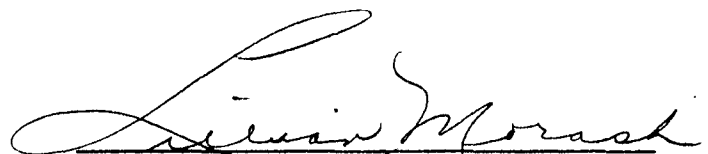
BY CONTRACT

ROTARY DRILLING: Alder #6 Claim May 16 - June 5, 1987
Vertical hole 147.2 metres

PERSONNEL

Drill Crew: Don Murray, Driller, Strathmore, Alta.
Duane Bochek, Driller, Strathmore, Alta.

| | | |
|--|---------------------------|--------------|
| Drilling: | 147.2 metres @ \$147.00/m | \$ 21,639.87 |
| Meals & Accommodation: | 4 men @ \$65/day, 2 days | \$ 520.00 |
| Truck: | @ \$50/day, 2 days | \$ 100.00 |
| Foreman: | @ \$15/hr. 20 hrs. | \$ 300.00 |
| Co ordinator: | @ \$15/hr, 20 hrs. | \$ 300.00 |
| Site preparation and Clean Up: | 7 hrs. @ \$15/hr. | \$ 105.00 |
| Truck: | 1 day @ \$50 | \$ 50.00 |
| Mobilization and Demobilization: | | \$ 1,000.00 |
| Consulting and Reporting, Alfred R. Allen, P. Eng. | | \$ 590.00 |
| To all inclusive | | \$ 24,604.87 |


LILLIAN MORASH
Secretary

REFERENCES

- Leech, G.B., Fernie Map area, West Half
G.S.C. Paper 58-10 Map 20 1958
- Leech, G.B. International Geological Congress
Twenty-fourth Session, Canada 1972
Field Excursion A03 - C03 pp21-26
- Leech, G.B. C.I.M.M. V LX11 pp154-174
Southern Rocky Mountain Trench
- Allen, A.R. The Bull River Copper, Silver, Gold Mine
June 7, 1976
- Chiang, M.C. Placid Oil Company Reports 1973-76
- Allen, A.R. Reports, 1968-1987, Stanfield Holdings

* * * * *

702 - 2025 Bellevue Avenue
West Vancouver, B.C.
V7V 1B9

CERTIFICATE

I, Alfred R. Allen, certify that:

I am a graduate of the University of British Columbia
and hold the following degrees therefrom:

BASc Geological Engineering 1939

MASc Geological Engineering 1941

I am a Life Member of the Association of Professional
Engineers of the Province of British Columbia.

I have practised my profession for the past forty years.

I hold no interest in the properties or securities of
R.H. Stanfield, or affiliates thereof, nor do I expect
to receive any directly or indirectly.

The report on the Air Rotary Percussion drilling programme
on the Alder #6 claim is based on consulting, interpretation,
inspection of cuttings and report preparation on the
property August 4 - 6, 1987.

I consent to this report being filed with the British
Columbia Securities Commission.



Alfred R. Allen

P. Eng.

August 1987.