

87-560-16235

6/88

FERNIE



Province of British Columbia Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT

TYPE OF REPORT/SURVEY: DRILLING; PHYSICAL \$19,196.86

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

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED: June 16, 1987 YEAR OF WORK: 1986-87

PROPERTY NAME(S): DOGWOOD

COMMODITIES PRESENT

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

MINING DIVISION: Fort Steele

NTS: 82G/6E

LATITUDE: 49° 24'

LONGITUDE: 115° 12' 42"

NAMES and NUMBERS of all mineral tenures in good standing (where work was done) that form the property. (Examples: TAX 1-4, FIRE 2 12 units, PHOENIX (Lot 1706), Mineral Lease M 122, Mining Certified Mining Lease ML 12 (claims involved))

Dogwood 8, Dogwood 10 (40 units total)

GEOLOGICAL BRANCH ASSESSMENT REPORT

OWNER(S): (1) R.H. Stanfield

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

OPERATOR(S) (that is, Company paying for the work): (1) same - as above

MAILING ADDRESS: same - as above

16,235

SUB-RECORDED RECEIVED SEP 11 1987 M.R. # \$ VANCOUVER, B.C.

FILMED

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

Proterozoic Aldridge^{Formation} argillite, argillaceous quartzite and quartzite underlies the claims. Folding is minimal and faulting is northeast to northwest. Limited intrusives include diorite, granodiorite and lamprophyres. Mineralized shears and disseminations include pyrite, pyrrhotite, chalcopyrite and galena.

REFERENCES TO PREVIOUS WORK

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MAPS:

1. Location
2. Mineral claims Percussion Hole P-D-10-87
3. Dogwood #10 to 1/12,500 scale
4. Road Work & Erosion Control

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A. INTRODUCTION

The Dogwood #8 and #10 claims are located on the easterly side of the Rocky Mountain Trench. The Dogwood #10 claim extends up the steep westerly slopes of the Lizard Range to an elevation of 1,675 metres above sea level.

The east-central area of the Dogwood #10 claim includes the Crown Grant Claim #11812 upon which the Strathcona Empire copper, gold, silver showings are located.

A vertical percussion hole was drilled in the northwest area of the Dogwood #10 claim, at the Trench level, 910 metres above sea level. The 56.38 metre hole penetrated Aldridge argillite and argillaceous quartzite.

Road work and erosion control was completed where necessary on the roads over the Dogwood #8 and #10 claims.

B. LOCATION

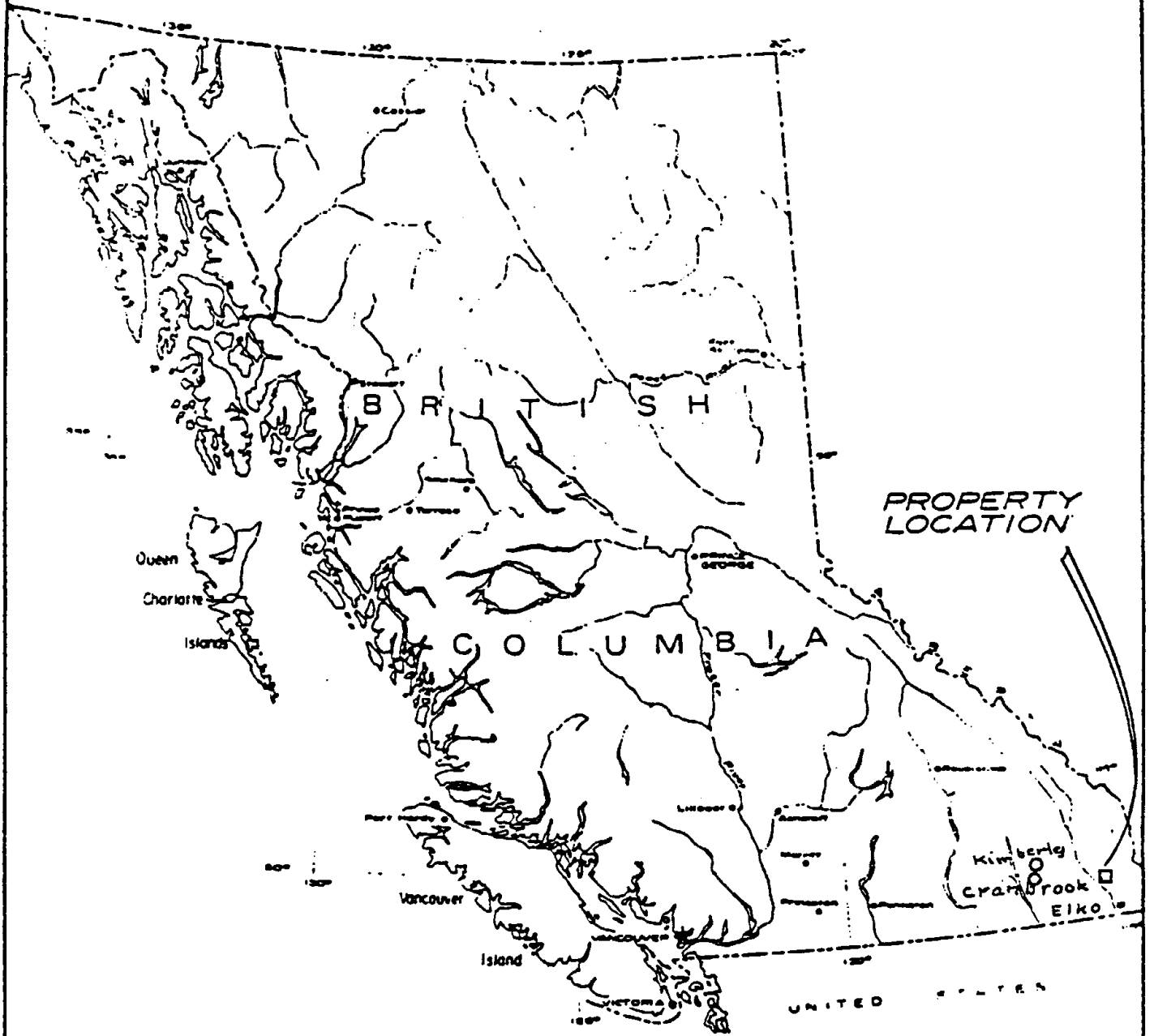
The Dogwood #8 and #10 claims are located in southeastern British Columbia. The settlement of Galloway is located at the southwest corner of the Dogwood #8 claim, and the northwest corner of Dogwood #10 claim is 2.5 km east of Rosen Lake.

Access is via Highway #3 from Cranbrook and Fernie.

C. PROPERTY

The Dogwood #4 Group includes the following;

Dogwood 8, 225(6)
Dogwood 10, 227(6)



R.H. STANFIELD PROPERTY		
LOCATION MAP		
SCALE: 1" = 136 Miles.		
Drawn by	Date	ALLEN GEOLOGICAL ENGINEERING LTD.
Checked by	Dwg. no.	
arr		

D. PHYSIOGRAPHY

The Dogwood #8 and #10 claims extend from the west slopes of the Lizard Range onto the Rocky Mountain Trench, an elevation range of 760 metres.

Big Sand Creek flows in a wide arc across the Dogwood #8 claim and southerly into the Kootenay River at 790 metres elevation above sea level.

The Trench is an area of low relief, ranging from 884 metres to 1,036 metres above sea level, except for a sharp depression on the northwest corner of the Dogwood #10 claim.

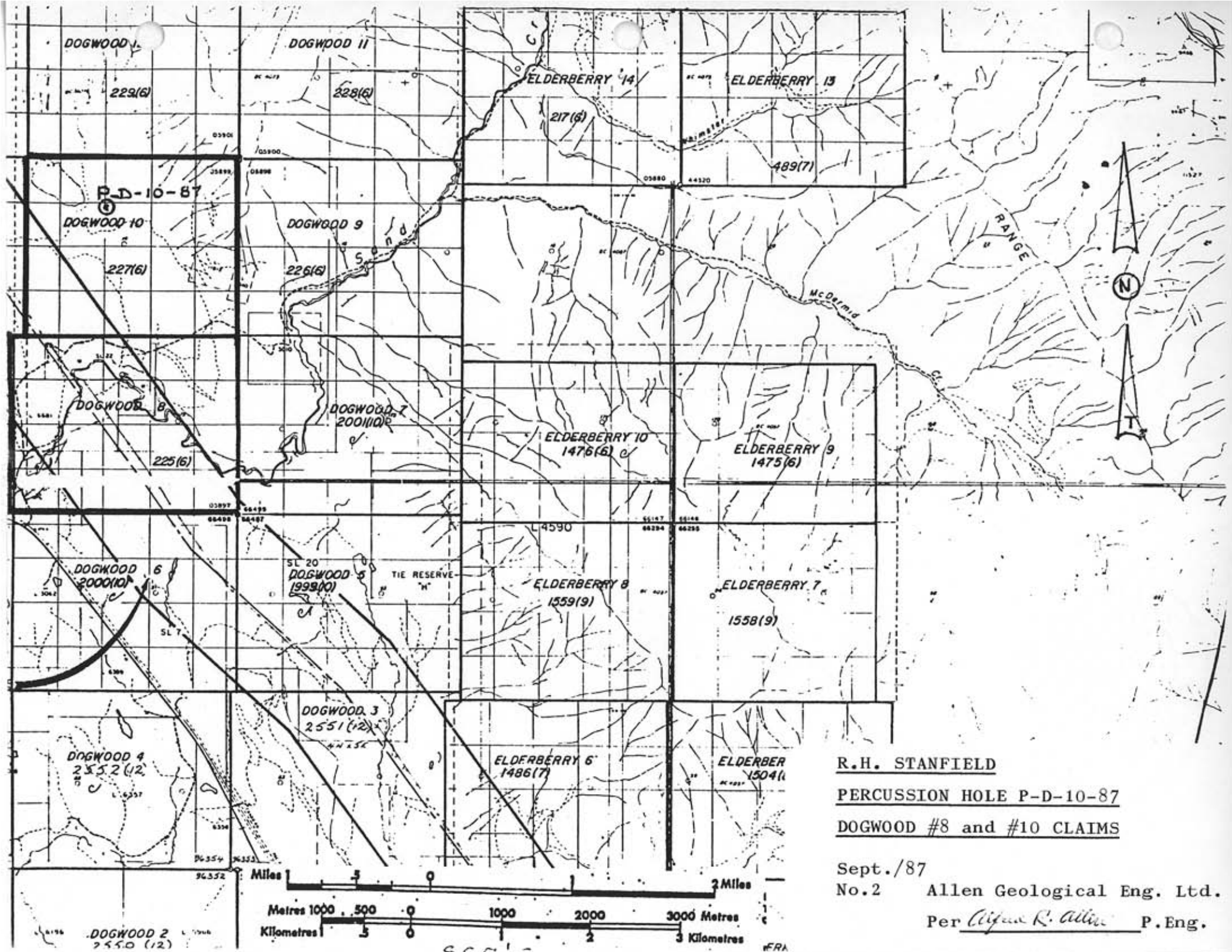
E. GEOLOGY

There are scattered outcrops at the Trench level with steep cliff exposures on the east area of the property.

All outcrops are Aldridge argillite, quartzite and siltstone. The general strike of the strata is north 10 to 20 degrees west and the dip 10 to 25 degrees northeasterly.

One strong fault strikes northwesterly through Galloway and a cross fault strikes north northeasterly, 3 kilometres to the south.

The Strathcona Empire showings, composed of well mineralized quartz along with copper, gold and silver are located on the central east side of the Dogwood #10 claim. A short adit tunnel below the showings exposes a quartz vein with copper, silver, gold mineralization.



R.H. STANFIELD
PERCUSSION HOLE P-D-10-87
DOGWOOD #8 and #10 CLAIMS

Sept./87
 No.2 Allen Geological Eng. Ltd.
 Per Alfred R. Allen P.Eng.

F. THEORY

The vertical percussion hole, in the area considered to be the possible extension of the Strathcona-Empire vein system, did not reach bedrock and for the time being has been abandoned.

G. OBJECT OF THE DRILLING

The P-D-10-87 hole was drilled in an area where bedrock depth could not be estimated.

On the southeast there is the Strathcona-Empire mineral deposit, and on the northwest there is a sizeable topographic depression of unknown origin.

It appears that it would be advantageous to penetrate bedrock at this location for stratigraphic and mineralogical data.

H. PREVIOUS WORK

In the 1930's two shipments were made to the smelter from the tunnel below the exposed upper workings of the Strathcona-Empire showings.

The shipments comprised quartz-siderite mineralized with copper, gold and silver.

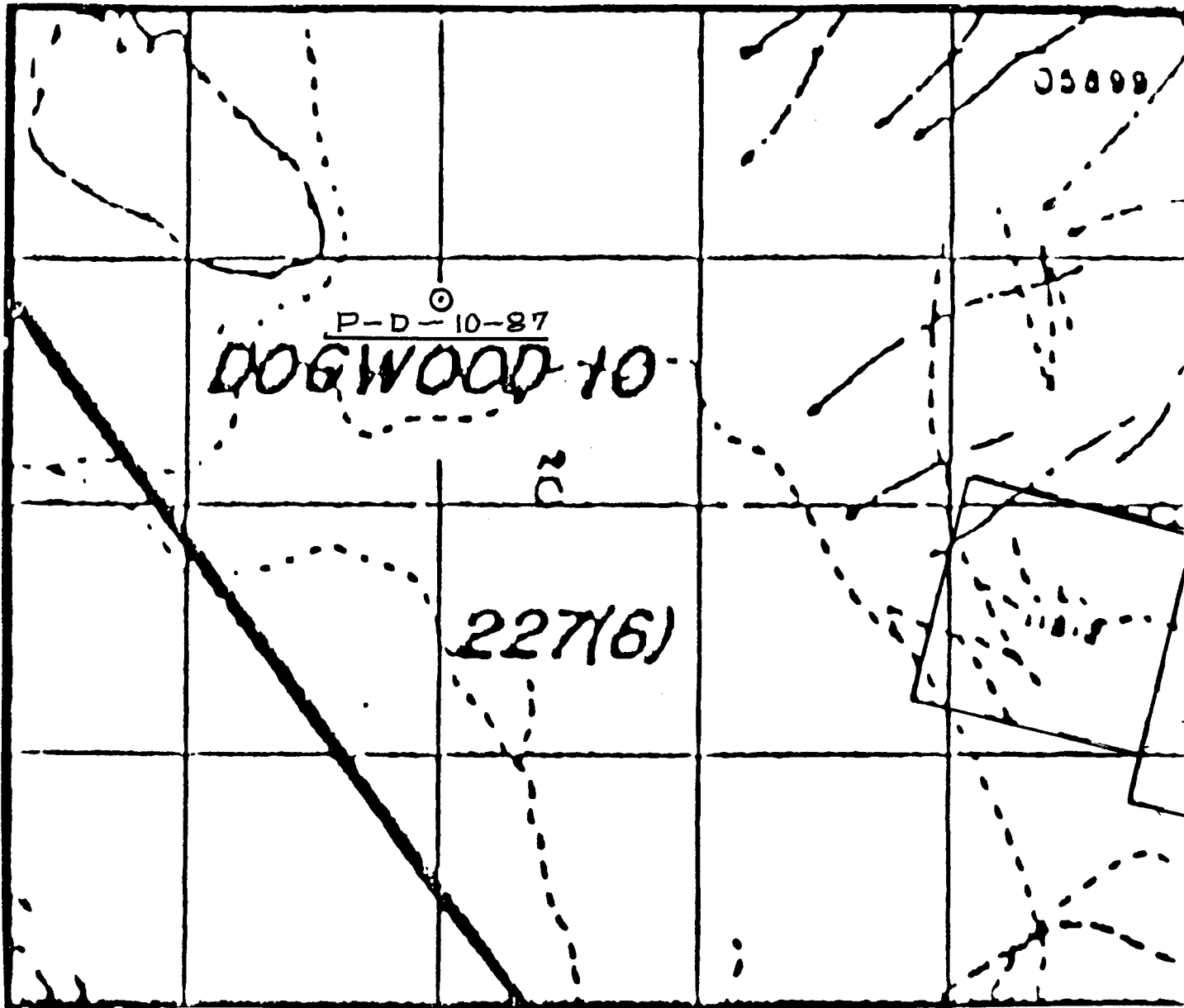
Extensive mapping and studies of the area have been made by the AG.S.C. and others as follows:

Leech, G.B. Paper 58-10

Thompson, T.L., Jour. Alt. Soc. Pet. Geol 10 1962

Swanson and Gunning, Geology of the Sullivan Mine
Trans. V XLVIII CIMM 1945

Allen, A.R., The Holdings of R.H. Stanfield S.E.B.C. 1976



0 500 1000 1500
Scale - m.

R.H. STANFIELD

DOGWOOD #10 CLAIM

PERCUSSION DRILL HOLE

Sept/87
 No. 3

1/12,500
 ALLEN GEOLOGICAL ENG. LTD.

Per Alfred R. Allen P.Eng.

I. THE AIR ROTARY-PERCUSSION DRILLING

The drill hole on the Dogwood #10 claim was contracted with the following equipment and crew.

- 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 4 w.d. truck

Don Murray, driller, Strathmore, Alberta

Duane Bocek, driller " "

The Field Crew assisted as follows:

Ross Stanfield Jr. Coorinator

Brent Skene, foreman

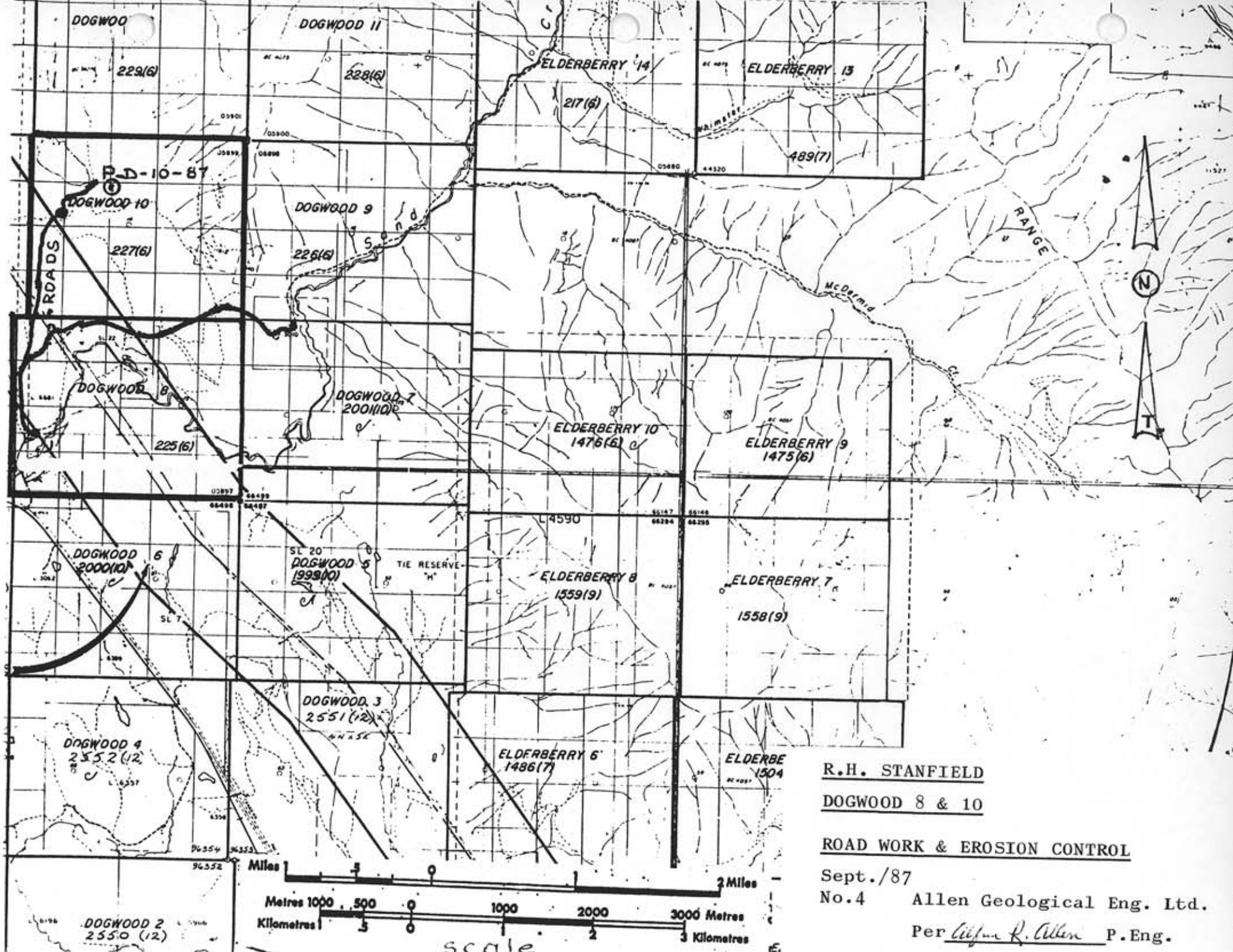
- 2 4x4 trucks

J. DRILLING RESULTS

Drill hole P-D-10-87 was drilled vertically to a depth of 56.38 metres between June 18, 1986 and June 15, 1987 on the northwest area of the Dogwood #10 claim.

Bedrock was not penetrated.

Cuttings are typical Aldridge argillite.



R.H. STANFIELD

DOGWOOD 8 & 10

ROAD WORK & EROSION CONTROL

Sept./87

No.4 Allen Geological Eng. Ltd.

Per Alfred R. Allen P.Eng.

scale

K. DISCUSSION

The P-D-10-87 hole was drilled in what appears to be an important area, west of and below the Strathcona-Empire showings. The fissure veins of these showings strike northwesterly and dip southwesterly. It is possible that the projection of the large quartz-siderite veins, which include impressive copper, silver-gold values, may underlie the drill hole location. To check this possibility, a deeper hole will be necessary.

L. SUMMARY

The 56.38 metre percussion hole, drilled on the Dogwood #10 was planned to check the possibility of intersecting the Strathcona-Empire mineralized veins at depths below the Rocky Mountain Trench. Because of difficult drilling the hole was abandoned before penetrating bedrock.

It is recommended that a second hole be drilled in this general area with sufficient drilling equipment to penetrate well into bedrock.

M. ROAD WORK AND EROSION CONTROL

Approximately 6 kilometres of road work and erosion control was conducted over the existing roads on the Dogwood #8 and #10 claims.

Submitted By:

Allen Geological Engineering Ltd.

Per Alfred R. Allen P.Eng.

Alfred R. Allen

September 1987.

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 pp 21-26
- Leech, G.B., CIMM V LXII pp 154-174
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

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FORT STEELE MINERAL CORPORATION LTD.

COSTS STATEMENT #1

ROTARY DRILLING REPORT

R.H. STANFIELD

BY CONTRACT

Dogwood #10 claim, June 18/86 - June 15/87
Vertical Hole 56.38 metres

PERSONNEL

Drill Crew: Don Murray, Driller, Strathmore, Alberta
Duane Bocek, Driller, " "

Assisted by the following Stanfield crew:

Ross Stanfield Jr. Coordinator
Brent Skene, Foreman

Drilling:	56.38 metres @ \$147/m	\$8,287.86
Meals and Accommodation, 4 men @ \$65/day		260.00
	Coordinator, 10 hrs @ \$15/hr	150.00
	Foreman, 10 hrs @ \$15/hr	150.00
Mobilization and Demobilization		1,000.00
Site preparation and clean up		155.00
	2 Trucks 4 x 4's @ \$50/day	100.00
Consulting and Reporting, Alfred R. Allen, P.Eng.		590.00
To all inclusive		<u>\$10,692.86</u>

Alfred R. Allen

FORT STEELE MINERAL CORPORATION LTD.

COSTS STATEMENT #2

ROADWORK AND EROSION CONTROL

R.H. STANFIELD

June 18/86 - June 15/87

LOCATION Dogwood 8 & 10 of Dogwood Group #4

LENGTH: Approximately 7 kms

CREW
George Clayton and helper
Ross Stanfield Jr. foreman

EQUIPMENT AND COSTS

D 9 H bulldozer and ripper 24 hrs. @\$130/hr	\$3,120.00
H.D. 16 Allis Chalmers bulldozer 8 hrs @\$70/hr	560.00
740 Champion Grader, 32 hrs. @ \$55/hr	1,760.00
Foreman, 64 hrs @\$15/hr	960.00
Truck 3/4 ton 4X4, 8 days @ \$50/day	400.00
Power Saw 8 days @ \$18/day	144.00
Meals and Accommodation 3 men, 8 days @\$65/day	1,560.00
To all inclusive	<u>\$8,504.00</u>

Clifford R. Allen

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 on the
Dogwood Group #4 is based on consulting, interpretation,
inspection of the cuttings and report preparation on
the property August 4, 5, 6, 1987.

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

Alfred R. Allen P.Eng.

Alfred R. Allen

September 1987.