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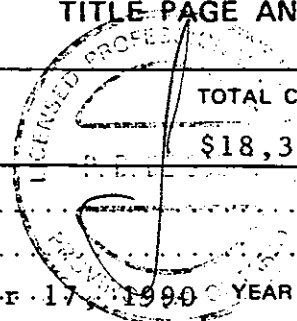


Province of British Columbia

Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) ROTARY/PERCUSSION DRILLING	TOTAL COST \$18,380.10
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AUTHOR(S) Phil D. deSouza, P.Eng. SIGNATURE(S)

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED October 17, 1990 YEAR OF WORK 1990

PROPERTY NAME(S) R. H. STANFIELD

COMMODITIES PRESENT Copper, Cadmium, Silver, Gold, Iron

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

MINING DIVISION Fort Steele NTS 82 G/6

LATITUDE 49° 29' 30" LONGITUDE 115° 23' 15"

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 #9, Aspen #10, Aspen # 10A of Aspen Group # 1A

FER 90 - M92

OWNER(S)

(1) R. H. Stanfield (2)

MAILING ADDRESS

Suite 350, 4723-1st St. S.W., Calgary, Alberta, T2G 4Y8

OPERATOR(S) (that is, Company paying for the work)

(1) R. H. Stanfield (2)

MAILING ADDRESS

As. above

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

Glacial and River Sediments against Precambrian argillites - Aldridge and Creston to the north and Devonian and Mississippian Limestones to the south. On edge of the Rocky Mountain Trench in area where the Murray Lake Fault system flex's. Precambrian to the north hosts veins mineralized as above. Depth extension to the south is unknown

REFERENCES TO PREVIOUS WORK See References in Report. Placid Oil Mine in early seventies. Stanfield Group programmes since mid seventies.

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CONTENTS

1.	Introduction
2.	Location
3.	Physiography	1
4.	Geology	1
5.	Objectives	2
6.	Results	3
7.	Conclusions	4
8.	Statement of Costs	5
9.	References	6
10.	Certificate	7

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GEOLOGICAL BRANCH
ASSESSMENT REPORT

~~Copy of Statement of Work~~

FIGURES

Figure 1 ...	Site Location	after page	1
Figure 2 ...	Location of Claim Group		1
Figure 3 ...	Local Geology		2

1. Introduction.

Percussion Drill Holes 1A-90 and 2A-90 were drilled on Aspen #9 Claim of Claim Group Aspen #1A at an elevation of 861 metres (2825 ft.) above sea level on the Bull River Upper terrace south of the Bull River and due south of the Stanfield Groups' Gallowai Bul River Copper/Gold property previously owned by Placid Oil. Map Reference for the holes from Energy Mines and Resources Map " Elko, 82G/6 " is 171831. The two holes were drilled between September 25 and September 30, 1990 inclusive, a period of six days.

Aspen Group #1A consists of three contiguous claims namely, Aspen #9, Aspen #10 and Aspen #10A within the total holdings of the Stanfield Group of Companies.

2. Location.

The Stanfield Group Claims are situated in the Fort Steele Mining Division of southeastern British Columbia (NTS 82G6) astride Highway #3 between Fernie and Cranbrook and encompassing Galloway - see Figure 1 following. The Aspen Group #1A located within the greater Stanfield Group - see Figure 2 - is sited immediately south of the Steeples Range and on the northerly flank of the Pickering Hills south of the Bull River where it flows westward to the Kootenay River. The community of Bull River is situated to the south west of Aspen #10.

3. Physiography.

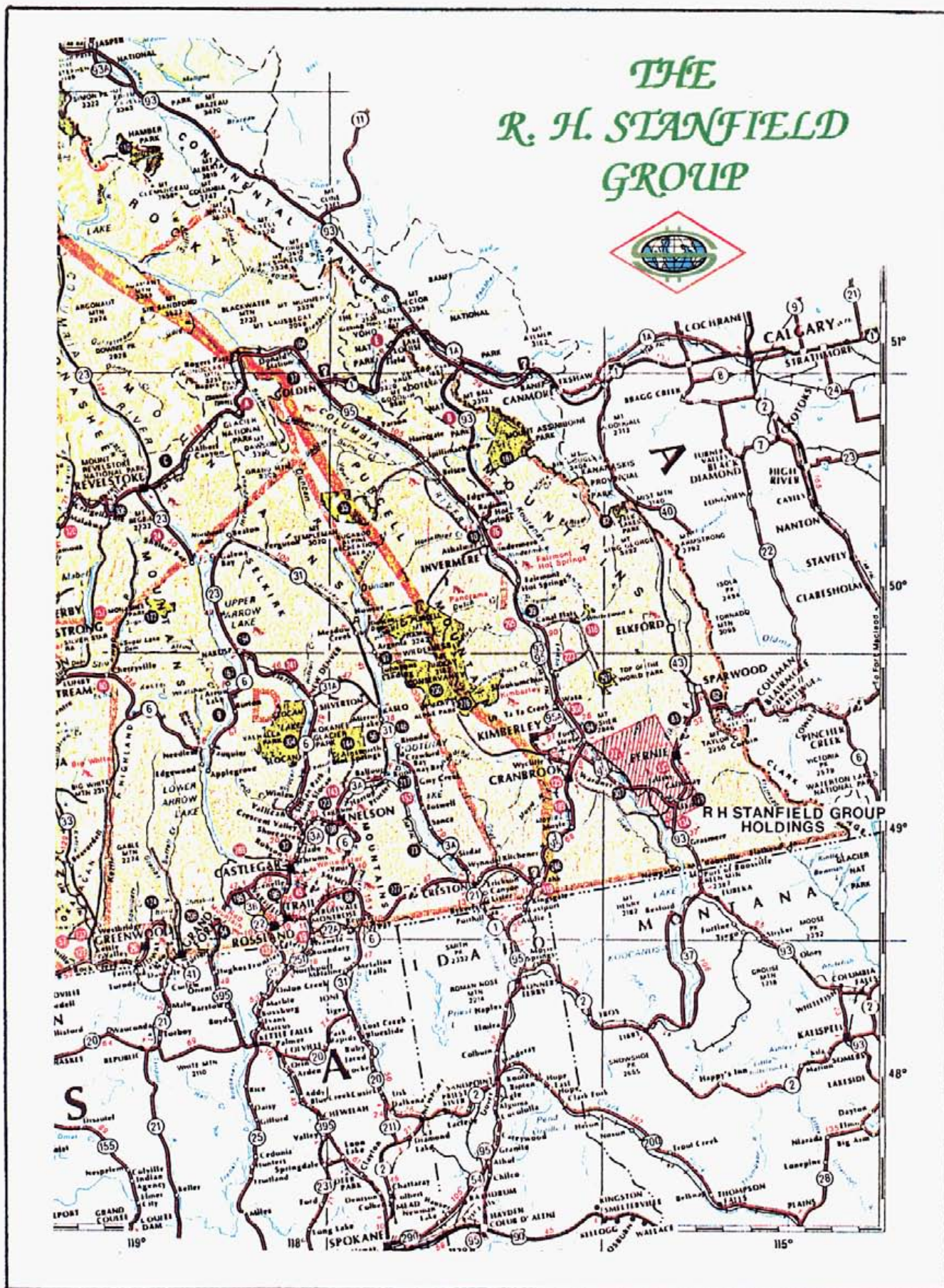
The property is fairly flat when compared to its immediate surrounds. Elevation range from 770 metres (2525 ft.) above sea level where the Bull River exits claim Aspen #10 to the west to 1067 metres (3500 ft.) in the Pickering Hills on the southern boundary of Aspen #9.

Ground water on this Claim Group north of the Bull River flows southerly to the Bull and northwestwards to the Bull and Kootenay Rivers south of the Bull River.

4. Geology.

The Aspen #1A Group is situated on the faulted contact of the precambrian Aldridge Argillites evidenced at the base of the Steeples mountains and the Mississippian Rundle Group limestones of the northern slopes of the Pickering Hills. Well defined graded river sediments on three identifiable terraces cover glacial tills and debris which effectively mask all surficial traces of the presumed fault/ faults structure.

Fig. 1



LOCATION

The Steeples mountains form structurally the highest portion of the southerly section of the Western Rocky Mountains. The Steeples Domain and the Sand Creek - Lizard Domain are part of the LIZARD SEGMENT of the HOSMER THRUST - see Figure 3. The Steeples domain is separated from the Sand Creek - Lizard Domain by the Bull Canyon Fault whose exact location in an east-west position is not identified on the southerly slope of the Steeples but is in any case just north of the Aspen #1A Claim Group. The fault may occur where Kitchener Group precambrians unconformably overlies Lower Crestons or where the precambrian Crestons unconformably overlies lower, middle and upper Aldridge argillites to the north of the Gallowai Bul River Copper/Gold deposits to the north of the westerly flowing Bull River.

The geology is further compounded by the easterly margin of the Rocky Mountain Trench which changes its predominant SE-NW strike to almost true E-W somewhere beneath the Aspen #1A Group. This fault identified as an extension to the Murray Lake Fault System on Figure 3, is of critical interest to the Stanfield Group as presumably it will define the southerly termination of the near surface vein systems defined at the Gallowai Bul River Property to the north. The flexuring of the Murray Lake fault system at Bull River and that of the Bull Canyon assumed to the north, may be due to back-sliding (reversal of the older displacement to the northwest) that also caused hinge faults transverse to the Trench.

The Stanfield Group has determined that the Trench is more likely to be the result of multiple Block Faulting (Step Faulting) in the vicinity of Galloway to the south of this Claim Group. Evidence for block faulting is given from the continuation of major Paleozoic - Mesozoic structures across the trench one of which is identified by a structural low near the community of Jaffray. Step Faulting is indicated from the several outcrops of Aldridge south of the Pickering Hills evidencing mineralogy identical to that found at higher elevations to the east in the Lizard Front Range. At this time, it is not known whether Step Faulting may be a consideration north of the Pickering Hills. The interplay between the Bull Canyon Fault and the Murray Lake Fault and therefore their relationships with and to the mineralization found most frequently in the Aldridge Argillites is being examined through drilling and geophysical programmes being conducted by the Stanfield Group in this area.

5. Objectives.

As noted in the foregoing, several river terraces overlies glacial debris which in turn masks the position of assumed faults separating Aldridge Argillites from the Mississippian Rundle Limestones. The identification is necessary to determine the possible southern extension of near surface mineral reserves associated with the Gallowai Bul River Vein Systems to the north of the Bull River, vein system which are associated with south dipping shear envelopes confined to the Aldridge.

Fig. 3

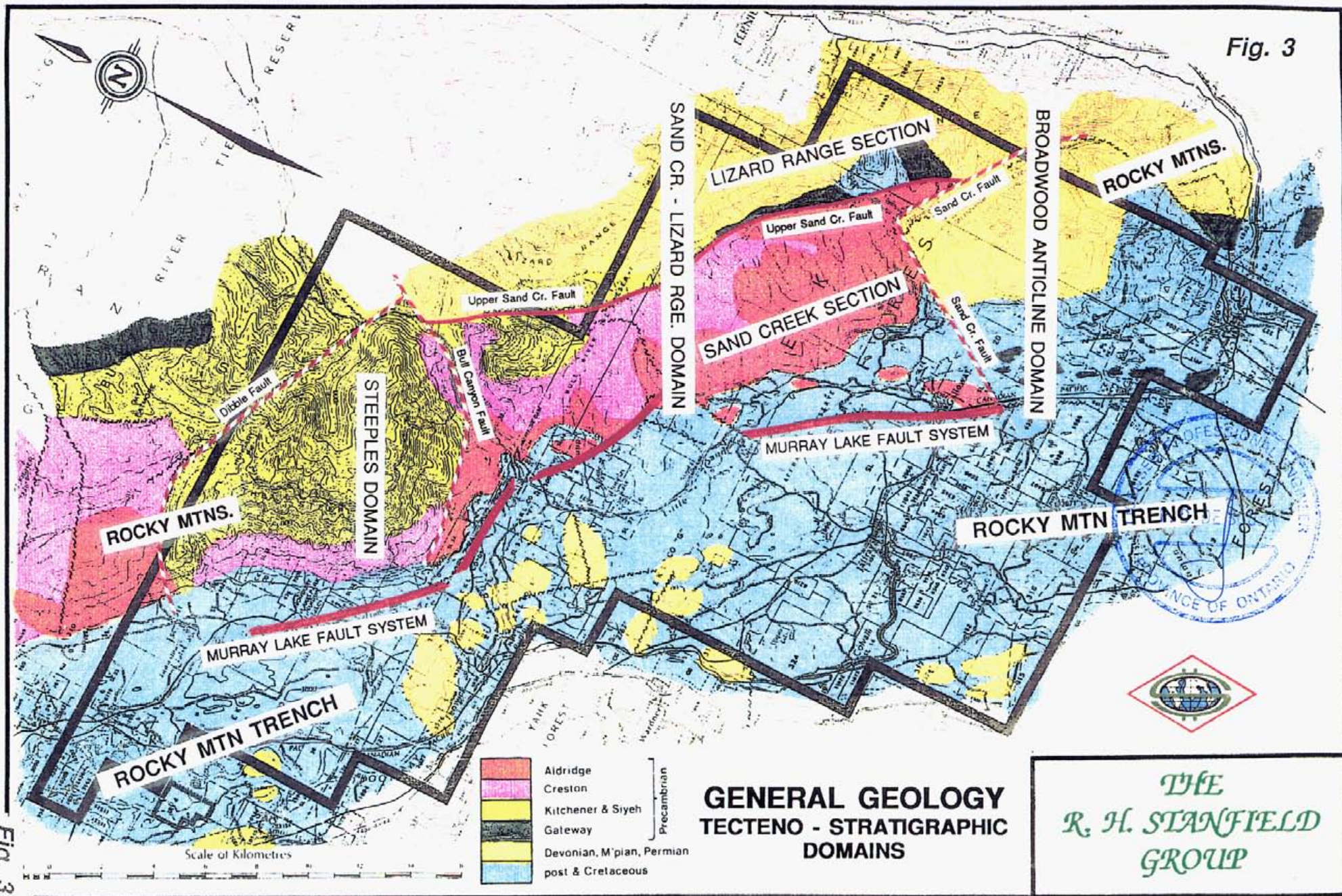


Fig. 3

The Stanfield Group intends to Diamond Drill at this location. Due to the expected deep Overburden - depths in excess of 245 metres (800 ft.) had been encountered in earlier drilling to the west of Burrtridge Creek north of Bull River - it was decided to drill to bedrock with a Rotary Percussion machine and thence use the Diamond Drill for deep exploration.

Hole #1A-90 was drilled to 100 feet (30.48 metres) using drill rods of 20 ft lengths. Solid rock was encountered at a depth of 90 feet (27.4 metres) much closer to the surface than anticipated. A second hole drilled to a depth of 200 feet (60.9 metres) due to the loss of the 7 inch drive shoe and resultant loss of casing in the initial hole encountered weathered and broken limestone at a depth of 88.6 feet (27 metres) 3.1 metres from the initial drilling.

6. Results.

Hole: #1A-90 Claim: Aspen #9 Claim Group: Aspen #1A
 Location: NTS 82G/6 Coords. 171831, Upper River Terrace south of Bull River.
 Date: 25/26 Sept 1990 Total Depth: 30.48 metres

Depth (m)	Remarks	Description
0.00- 0.10		soil, vegetation
0.10-27.40	moist - required use of "mud" to recover chippings	graded rounded sands and gravels gravels & boulders from +/-20 m.
27.40-30.48 @ +/-30.48	damp	heavily weathered/broken limestone shoe lost/casing pulled off-abandoned

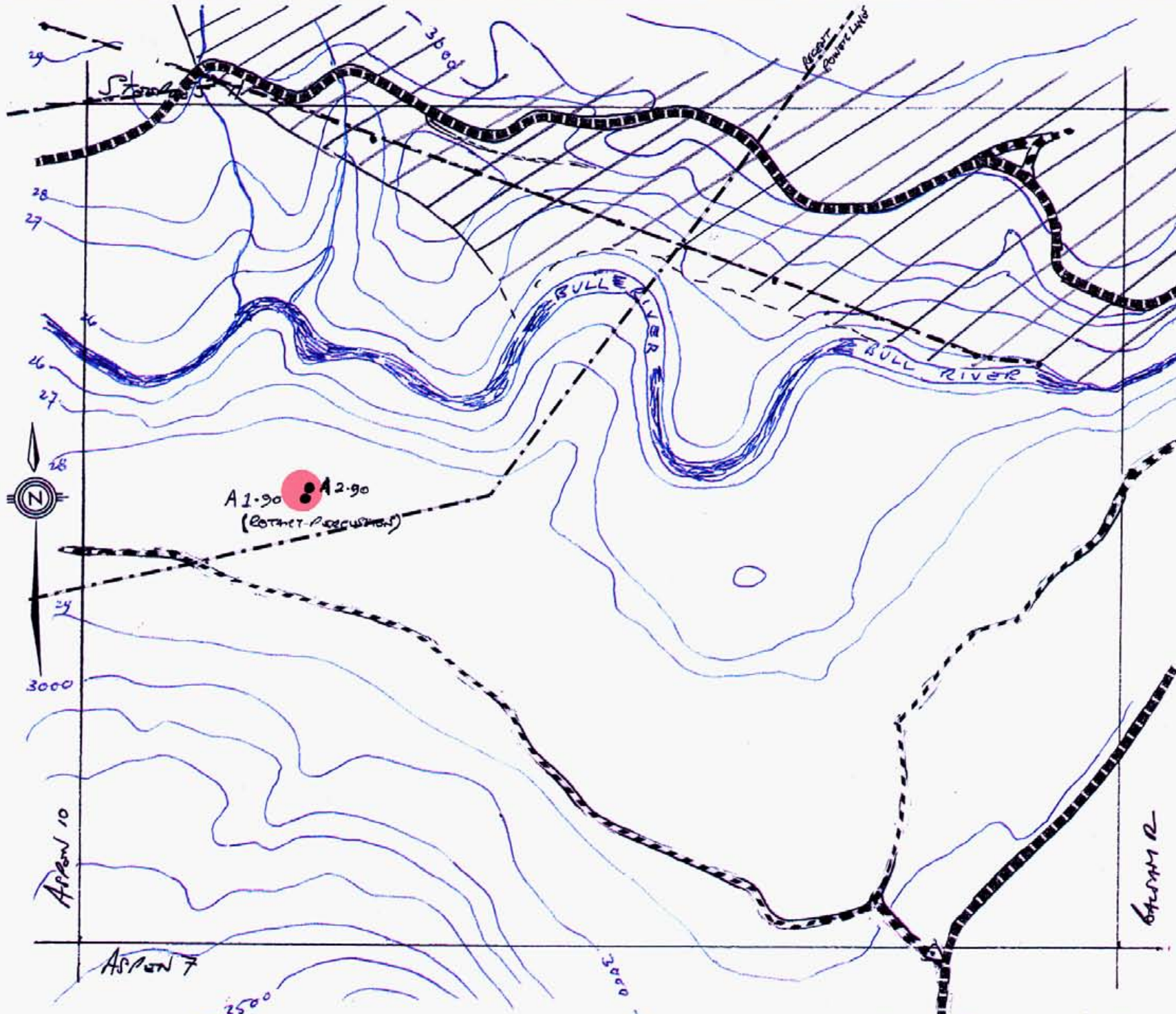
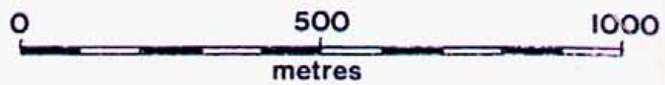
Hole: #2A-90 Claim: Aspen #9 Claim Group: Aspen #1A
 Location: NTS 82G/6 Coords. 171831, Upper River Terrace south of Bull River.
 Date: 26/30 Sept 1990 Total Depth: 60.90 metres

Depth (m)	Remarks	Description
0.00- 0.10		soils and vegetative
0.10-27.00	damp	Rounded river gravels and boulders
27.00-35.00	damp	weathered limestone
35.00-60.90	moist	continuous limestone

BUL RIVER MINERAL CORPORATION LTD.

CLAIM MAP

SCALE
1 : 12,500



CLAIM SET

ASPEN 9

UPDATE (M:Y)

Dec 89 Dec June 91

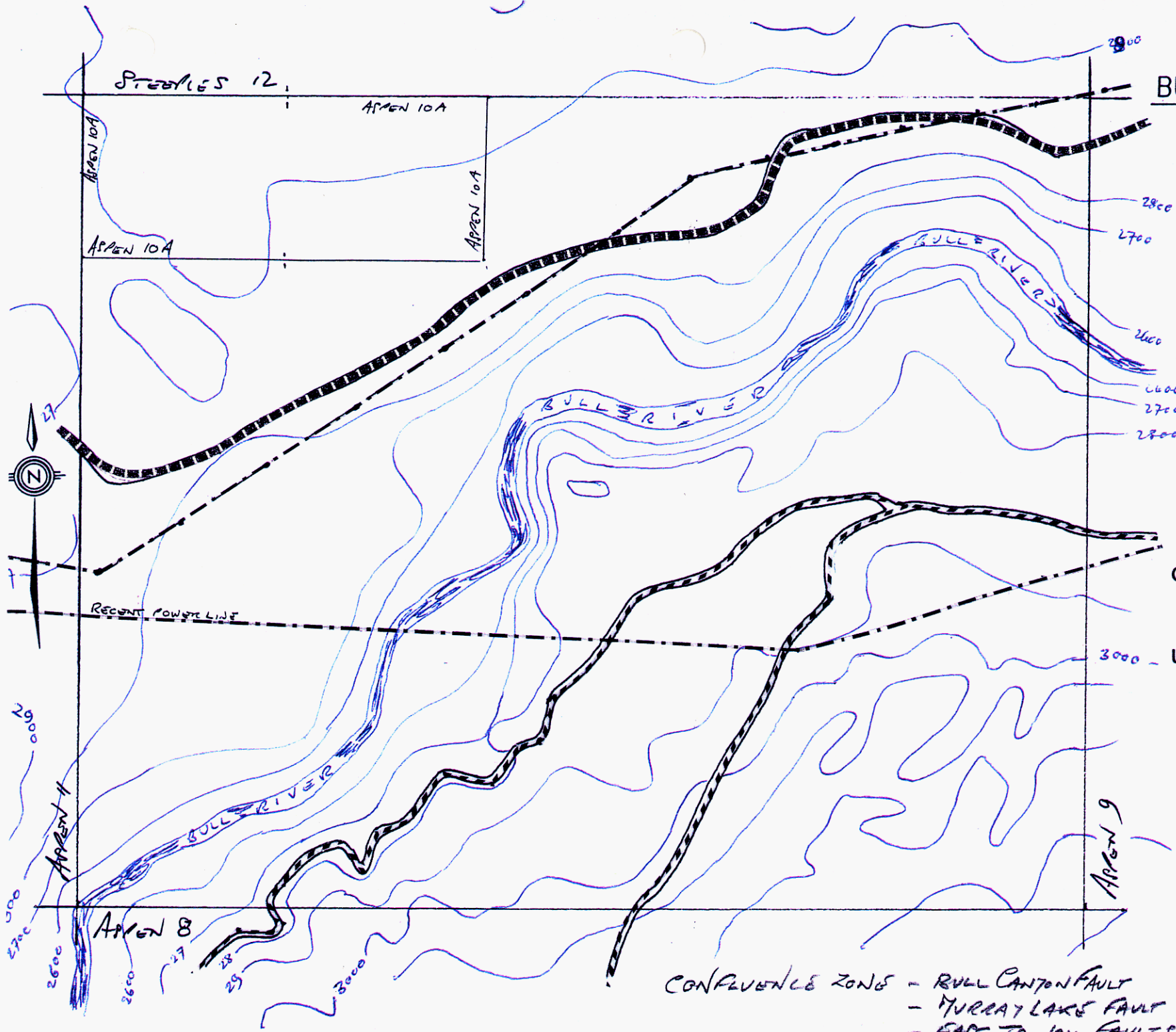
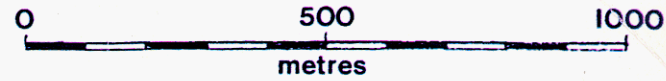
/// ALDRIDGE ARGILLITE * (PANIC CREEK DOMAIN)

RETAINED? - SILT/SANDS/GRAVELS
FLUVIAL & GLACIAL.

BUL RIVER MINERAL CORPORATION LTD.

CLAIM MAP

SCALE
1 : 12,500



CLAIM SET Aspen 10 + 10A

UPDATE (M:Y)

25'89 25-June 91

CONFLUENCE ZONE - RULL CANTON FAULT
 - MURRAY LAKE FAULT
 - EAST TRENCH FAULTS

TOTAL AREA TOPO = RECENT SILTS
 SANDS GRAVELS / FLUVIAL + GLACIAL

NORTH - UNDERLYING ALTA RIDGE
 SOUTH - " DEVONIAN / MISSISSIPPIAN

7. Conclusions.

Bedrock consisting of massive limestones with little evidence of ground water channelling was encountered at +/- 27 metres (89 ft.) much closer than expected.

The implication is that the south shore of Bull River immediately north of the Pickering Hills, was controlled by faulting rather than the ice sheet which is presumed to have controlled much of the sedimentation within the Kootenay River Valley that is, within the Trench. Further there was scant evidence in the overburden of glacial borne materials which implies that either the Bull River was pushed south by the advancing glaciers or that the rivers flow rates were sufficient to remove smaller glacial tills and round the remaining gravels.

The deepening of Percussion Hole #2A-90 with a Diamond Drill is still considered necessary but should be reviewed upon receipt of the ongoing Geophysical Programme data. It may, in light of the proximity to surface of the underlying bedrock, be advisable to first drill closer to the Bull River if solely geological information is required. Given the advanced situation existing just north of the river, further drilling on the south side for materials required in construction such as the clean sands encountered in JK6 - 1989, or the Fullers Earth / Diatomaceous Earths examined and tested by the Stanfield Group earlier in 1990 is certainly warranted.

In all areas of this claim group, further Percussion holes should be drilled to examine the sediments. Additionally, diamond drilling for rock mechanic studies are recommended for the southeast of Aspen #9, and for geological knowledge throughout the northern halves of Aspen #9 and Aspen #10 and throughout Aspen #10A.

8. Statement of Costs.

Hole: Percussion A1-90, 27.4 metres
Percussion A2-90, 60.9 metres

Date Drilled: September 25 to September 30, 1990 (inclusive)

Drill Crew: Schmidt Drilling Ltd., Box 98, TEES, Alberta, T0C 2W0
Driller Mr. Darcy Schmidt, :: :: :: ::
Drill 2nd. Mr. William Brown, :: :: :: ::

Site Crew: Coordinator Mr. R. Stanfield Jr., Box 24, Gallowai, B.C.
Supplies/Clean-up Crew Mr. T. Hewison :: :: ::
Mr. N. Johnston. :: :: ::

Equipment: 9000 Ford/TH60 Ingersol Rand Rotary/Percussion Drill Rig.
1 White Western Star Water Truck.
1 Ton Chev. Rod & Pipe Truck with 30' 5th Wheel Trailer.
1 Dodge 3/4 Ton 4x4 Truck
1 Ford F250 4x4 Truck with Bush Box.

Cost:

Mob and Demob	\$ 1,000.00
A1-90 27.4m x \$147.00/m	\$ 4,027.80
100'(30.48m) 7" Casing @ \$9.00/ft	\$ 900.00
7" (17.78cm) Casing Shoe	\$ 72.00
3 Bags Bentonite x \$13.00/bag	\$ 39.00
5 Gals foam-mud additive x \$32/Gal	\$ 160.00
	<u>\$ 6,198.80</u>
A2-90 60.9m x \$147.00/m	\$ 8,952.30
3 Bags Bentonite x \$13.00/bag	\$ 39.00
	<u>\$ 8,991.30</u>
Co-Ordinator 48hrs @ \$15.00/hr	\$ 720.00
3/4 ton Truck 6 days @ \$50.00/day	\$ 300.00
Supply & Accom 3 men @ \$65.00/day x 6 days	\$ 1,170.00
Site Prep Operators - 2 men	\$ 120.00
3/4 ton Truck @ \$50.00/day	\$ 50.00
Supply and Accom for 1 day	\$ 130.00
Consulting and Report	\$ 700.00
	<u>\$ 3,190.00</u>
<u>TOTAL</u>	<u>\$ 18,380.10</u>

9. References:

- | | | |
|-----------------------------|---|-----------|
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10. CERTIFICATE:

January 7, 1991.

I, Phil D. de Souza, certify that:

I am a graduate of the **Camborne School of Mines**, Camborne, Cornwall, England, and that I hold the degree of **A.C.S.M. 1st Class** in Mining Engineering therefrom and that I was awarded the **J.C.Davey Economic Geology Prize** upon graduation.

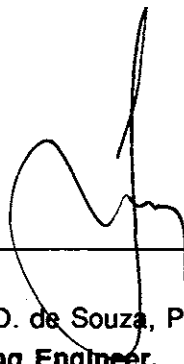
I am a member of the **Canadian Institute of Mining and Metallurgy** and a member of the **American Institute of Mining, Metallurgical and Processing Engineers**.

I am a **Registered Professional Engineer** of the Province of Ontario.

I have practised my profession for the past twenty five years.

I hold no interest in the Properties or Securities of the Stanfield Group, or its affiliates, nor do I expect to receive any directly or indirectly.

This Assessment Report is based on my direct Project Involvement and Consulting on behalf of the Stanfield Group since 1987, on Site selection and examination and, on Percussion Chippings inspection and physical examination.



Phil D. de Souza, P.Eng., A.C.S.M.
Mining Engineer.

