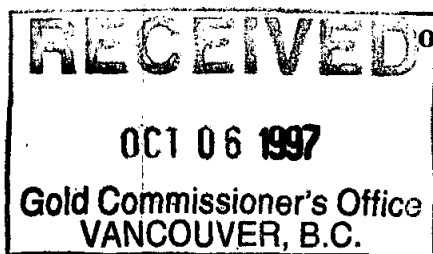


1997 Exploration Report



on the VAD - AB Mineral Claims

Bugaboo Creek Area, B.C.

Golden Mining Division

September 30th, 1997.

This report covers the 875 hectares (2162 acres) in 13 mineral claims held by James S. Adamson and Sodi Berar centred on 50° 55' and 116° 55' in NTS Map Sheet 82K / 15W.

AB-7	213752
AB-10	213748
AB-11	213749
AB-12	213750
AB-13	213750
AB-15	213754
VAD	213436
AVD-1	213770
AVD-2	213771
AVD-3	213772
DAV-10	213725
DAV-11	213726
DAV-12	213727

By:

Paul A. Hawkins, P.Eng.
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Calgary, Alberta
T3H 1M8
(403) 242-7745

Report #97-075-01

**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

25,165

Executive Summary

1997 Exploration Report on the VAD - AB Mineral Claims

The VAD - AB property which is located 40 km south of Golden B.C. hosts Au, Ag, Pb, Zn vein / replacement mineralization associated with a NW - SE Deformation Zone reporting values up to 0.800 oz. Au / ton, 17 oz. Ag /ton and 24% Pb from surface trench samples. Potential also exists for the discovery of Pb-Zn-Ag Sedex style mineralization. The property is largely unexplored with several showings requiring drill testing. The property is road accessible 56 km west from Parson B.C. A multi-phase exploration program of ground geophysics (Magnetometer, VLF-EM, IP), trenching and diamond drilling recommended with a budget of \$200,000.

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1997 Geochem Compilation	X97-075-03
Property Location Index	A97-075-04

1.0 Introduction

In July 1997 Paul A. Hawkins & Associates Ltd. was retained by James S. Adamson to review past exploration on the property and provide professional supervision of the planned 1997 exploration program and make recommendations for future work if warranted on the VAD and AB mineral claims in the Golden Mining Division.

In support of these activities the property was visited on between July 26 - 27, 1997. by the writer, and additional time was spent before and after that date on data compilation and project planning. The property was visited prior to our retention between June 13-15, 1997 by James Adamson and two other personnel.

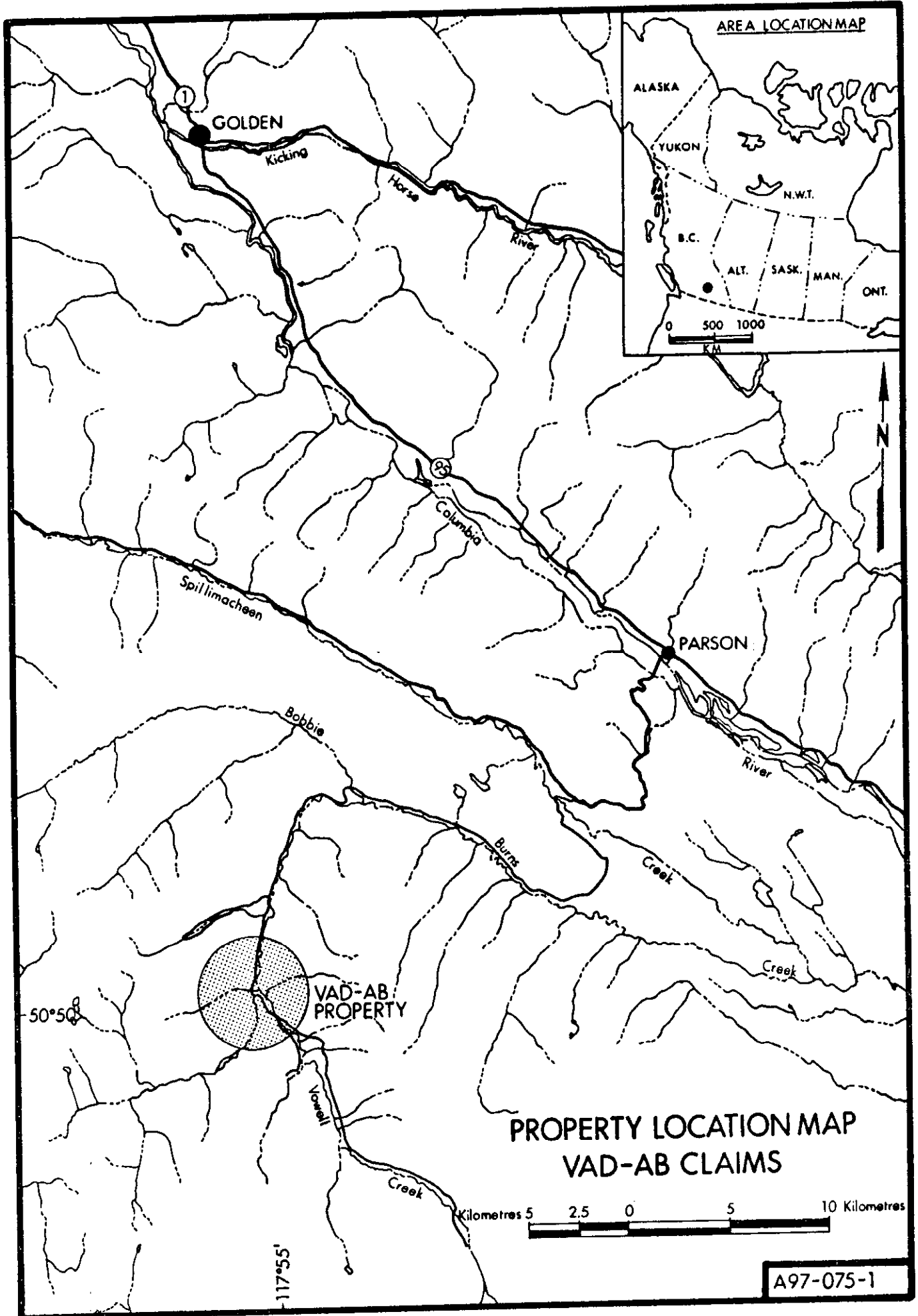
The property hosts important sulfide-bearing quartz veins, replacement zones, and shear / fault hosted mineralized zones which besides carrying important base metal values also carry significant amounts of gold.

1.1 Location and Access

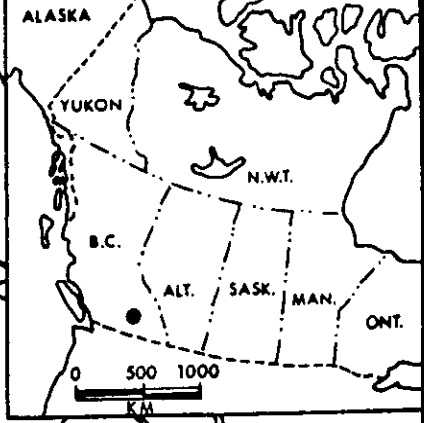
The property is located 40 km. south of Golden B.C. between Crystal and Conrad Creeks along Vowell Creek which flows into the Spillimacheen River. Property is located on Drwaing A97-075-1. The Spillimacheen eventually flows into the Columbia River. The property lies within the Purcell Mountains on NTS map sheet 82K / 15W.

The property is accessible from off the Trans-Canada Highway at Golden, south along Highway #97 to Parson and thereafter by forestry grade all weather gravel roads 56 km. west across the Spillimacheen Range, up Robbie Burns Creek to Vowell Creek then south to the property. Ongoing logging nearby has resulted in the development of excellent access into the area. Some areas of the property are accessible by 4 wheel drive vehicles. Past extensive clear cut logging has developed this access. The valley was heavily timbered and new vegetation is coming back quickly. Terrain in the area is moderate to rough with elevations ranging from 1300 to 2300 m. Vegetation varies from alpine on the upper elevations to mixed coniferous forest in the valley bottoms. Most of the property was clear cut logged and is now covered with light scrub and regenerating forest.

Most services are available at Golden, which is within a 1 hour drive of the property.



AREA LOCATION MAP



PROPERTY LOCATION MAP
VAD-AB CLAIMS



A97-075-1

1.2 Land Status and Environmental Concerns

The property is made up of 13 mineral claims consisting of two modified grid claims and 11 two post claims and totals 35 units. Claims cover approximately 875 hectares or 2162 acres. Ownership and Claim details are provided below. None of the claims covered by this report have been surveyed. Exact details of claim status is beyond the scope of this report but we believe they are in good standing pending the submission of this report. Claim map for the property area is shown on Drawing A97-075-02

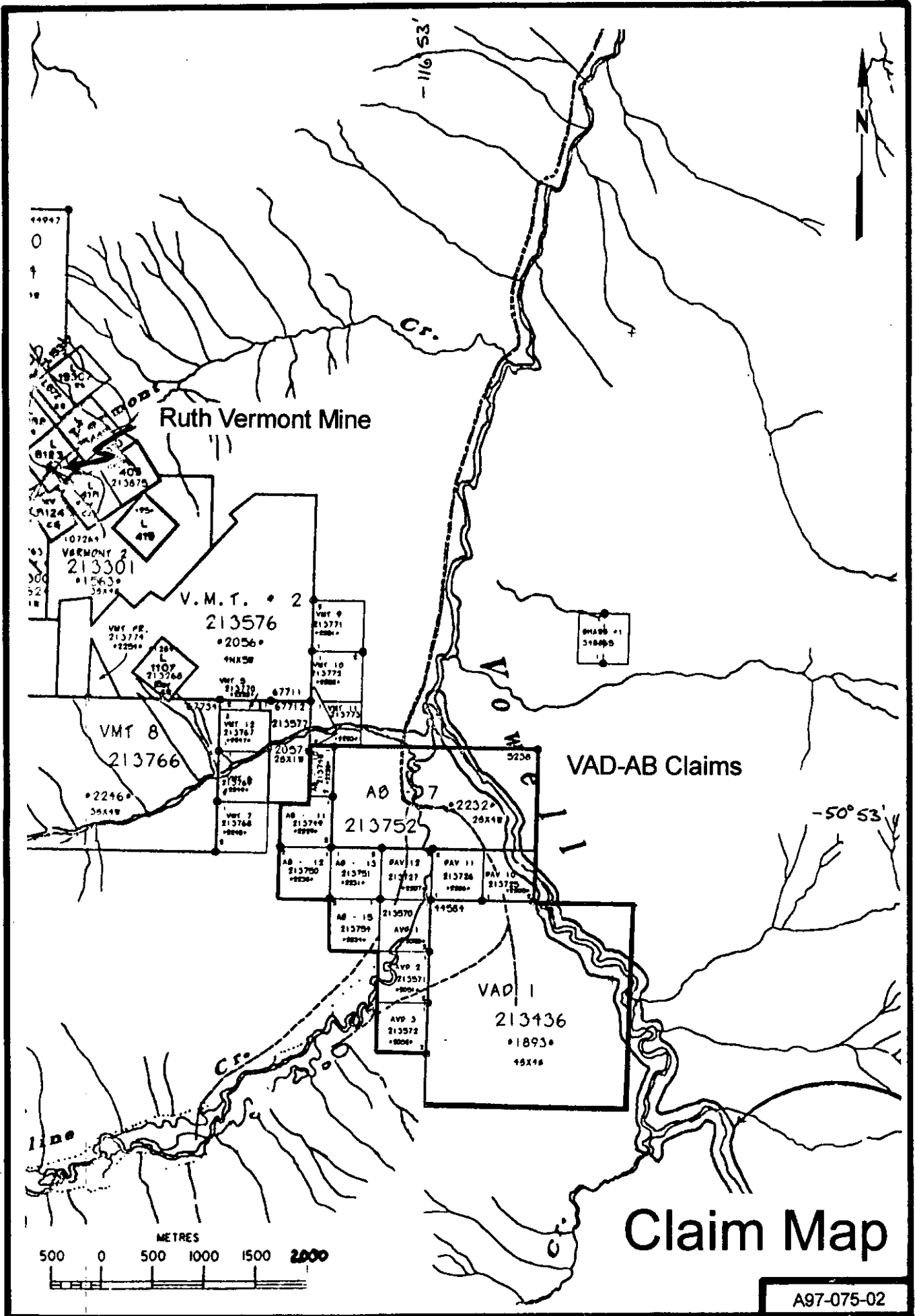
Claim Name	Record #	Units	Record Date	Expiry Date
AB-7	213752	8	23-Aug-	
AB-10	213748	1	23-Aug-	
AB-11	213749	1	28-Aug-	
AB-12	213750	1	28-Aug-	
AB-13	213751	1	28-Aug-	
AB-15	213754	1	28-Aug-	
VAD	213436	16	06-Jul-88	
AVD-1	213770	1	18-Jul-1990	
AVD-2	214771	1	16-Sep-	
AVD-3	213772	1	16-Sep-	
DAV-10	213725	1	18-Jul-	
DAV-11	213726	1	18-Jul-	
DAV-12	213727	1	18-Jul-	

Claims are owned by:

James S. Adamson
539-47th Avenue S.W.,
Calgary, Alberta
T2S 1C5

Sodi Berar
Site 16, Box #2 R.R. #6
Calgary, Alberta

Most of the property area has been logged by Crestbrook Forest products but is otherwise vacant crown land. The property lies just north of the Bugaboo Alpine Recreational Area. The nearby Robbie Burns Lodge provides Helicopter Hiking trips to high end tourists. Such nearby eco-tourism activities will require the property to be explored and developed in an environmentally responsible manner consistent with current policy and guidelines. Past clear cut logging renders the area no longer pristine wilderness



Claim Map

1.3 History of the Property Area

Prospecting in the area during the late 1890's led to the discovery of Quartz veins carrying Pb, Zn and Ag. The principal focus in these early days was at the Ruth-Vermont Mine (also called the Columbia River Mine) which is located 6 km. north of the VAD property.

The Ruth Vermont Mine has operated intermittently since 1928 by various owners. The mine hosts a series of Pb-Zn-Ag-Cd vein replacement ore bodies. These ore bodies define a likely 10 km mineralized trend which extends southeast onto the VAD claims. At the Ruth Vermont between 1889-95 work was carried out from one adit with limited production. In 1926-30 a number of short adits were driven accessing further ore with likely minor production. Between 1956 and 1957 diamond drilling and surface geochem was undertaken. In 1965-66 new underground development was undertaken with further diamond drilling. In 1969 a 500 ton per day mill was installed with intermittent production until 1976. In 1973 a reported 27,000 tons were shipped to the Cominco Trail Smelter. The mine was reopened briefly in 1981. Indicated Reserves (all categories) in 1982 were reported as 273,944 tonnes grading 233.1 Ag grams/tonne, 4.8% Pb and 5.4 % Zn (George Cross Newsletter, 1982). The mill was destroyed by an avalanche and the site was being decommissioned in 1992-94. Bright Star Ventures Corp is the current owner of the property and conducted a three hole underground diamond drill program on the property in 1996 intersecting high gold values over modest widths. These high gold values were previously unreported.

Medesto Exploration conducted exploration in the area between 1974 and 1977 in search of Pb, Zn Ag in both quartz veins and Sedex deposits. They discovered on the VMT claims the LCP zone in 1977 which is just north of the VAD claims. The LCP zone appears to be on the same Ruth Vermont trend.

Norcen explored in the area in 1979-80 covering part of the property area. In 1981 Blue Sky Oil & Gas drilled the LCP zone and intersected good width sulfides. In 1993 Mine Quest conducted a modest exploration program in the area. Cominco has also been active in the area to the west of the VAD property but has allowed their claims to lapse. Some of this work is documented in assessment reports.

The principal focus of exploration in the area has been for two deposit types:

- 1) Pb-Zn-Ag-Au Vein / Replacement Zones
- 2) Pb-Zn-Ag Sedex Style Mineralization

The discovery of gold values at VAD-AB and Ruth Vermont adds a new dimension to this exploration

1.4 Regional and Property Geology

The property area is underlain by Hadrynian Horsethief Creek Group polymictic quartz pebble conglomerates, impure quartzite (quartzofeldspathic sandstone) and grit, grey slate, argillaceous limestone and limestone. The following description was taken largely from B.C. Minfile records for the area (BCGSB, 1994). The pyritic conglomerates contain blue and white quartz pebbles, and are sericitic, chloritic and locally limey. Deformation has produced elongated pebbles. The slates are locally phyllitic and limey, ranging from a centimetre to several metres in thickness and are black, green and grey in colour. Porphyroblasts of ankerite are present throughout the slates, syngenetic pyrite occurs parallel to bedding and minor drag folding is common. The limestone is 6 to 15 m. thick and lies between two thick slate units. Individual limestone beds vary from less than a centimetre to several metres in thickness. Minor drag folding is also evident in this unit. All members of the Horsethief Creek Group are intercalated with readily discernible facies changes both along strike and dip.

Structurally, these units near the Ruth Vermont Mine have been folded into a major northwest trending asymmetric anticline approximately 183 m. from crest to trough. The anticline crosses Vermont Creek near the mine. The fold plunges gently to the southeast and the axial plane dips steeply to the northeast, parallel to the cleavage in the slates.

Three sets of quartz-calcite fissure veins occur obliquely, transversely and parallel to bedding relative to the fold structures in the Ruth Vermont Mine. The veins occur in well-defined sets of fractures. The veins are hosted in the limestone and in the slate above and below it. The oblique veins are well mineralized, strike southeast (110-115°) have an average dip of 65° southwest and cut bedding at 15°. The transverse veins are poorly mineralized and are representative of fissure-fillings along a series of near vertical and parallel shears. Tension gashes are generally related to these veins. The veins parallel to bedding normally mark concordant contacts between the slate and limestone. Sulfide content in the veins is low. Scheelite occurs in varying amounts in the three sets of veins. Some of the veins have been traced underground for 609 m. and where they intersect the limestone beds, replacement-type mineralization occurs. The oblique veins occur in swarms which produce bulges and the irregular shape of such replacement zones. The veins tend to widen at depth and vary from centimetres to 2.4 m. in width.

Within the limestone, sulfides occur in fractures ranging from a fraction of a centimetre up to 1.5 m. in thickness. Fine-grained sulfides are disseminated in the limestone adjacent to the fractures. Silicification accompanying the sulfides has taken place where the quartz veins have intersected the limestone beds. At the Ruth Vermont, the Nelson orebody is surrounded by a conspicuous halo of coarse-grained pyrite. The extent of the replacement-style mineralization varies directly with the size and number of the feeder veins. A plunge to the zone is affected by the oblique intersection of the veins across the limestone. The mineralization in the zone exhibits lineations both parallel and normal to the bedding; the latter coincides with the axial plane cleavage of small drag folds. Mineralization within the quartz veins consist of pyrite, galena, sphalerite, arsenopyrite, and minor amounts of boulangerite, argentiferous tetrahedrite, freibergite, chalcopyrite and scheelite. Gold is generally associated with arsenopyrite and pyrite. Scheelite is

also present as fine disseminations. Younger scheelite-bearing quartz veins cut both the vein and replacement-type mineralization. The mine has been extensively developed with underground workings. Reserves calculated in 1982 indicate 273,944 tonnes in all categories grading 233.10 grams per tonne silver, 4.8 per cent lead and 5.4 per cent zinc (GCNL #182). In 1972, inferred reserves for most of the individual veins were compiled: 1) Nelson orebody - 190,029 tonnes grading 188.54 grams per tonne silver, 4.4 per cent lead, 6.1 per cent zinc; 2) Pine Tree - 43,903 tonnes grading 420.61 grams per tonne silver, 7.0 per cent lead, 6.06 per cent zinc; 3) South - 7529 tonnes grading 283.84 grams per tonne silver, 5.68 per cent lead, 6.78 per cent zinc; 4) North - 10431 tonnes grading 523.11 grams per tonne silver, 10.74 per cent lead, 5.16 per cent zinc (Tough, 1972).

Mineralization on the VAD-AB claims which is exposed in several trenches consists of sulfide bearing quartz veins, replacement zones, and shear / fault hosted mineralized zones. Sulfide mineralization consists of based on visual examination galena, sphalerite, arsenopyrite, tetrahedrite, pyrite and possible chalcopyrite and scheelite. High values in silver are clearly apparent. Sulfides range from disseminated to near massive. The widespread presence of pyrite and quartz stockwork is apparent on some outcrops on new logging roads. The property is traversed by the NW-SE mineralized trend from the Ruth Vermont Mine area.

The Vowell Creek area hosts numerous Au, Ag, Pb, Zn showings which are highlighted by the regional geochem survey (GSC, 1990). The area holds some of the highest precious and base metal anomalies for the whole 82K map sheet.

The local area also has black sand deposits containing Uranium, Niobium and other REE (rare earth elements) relating to the erosion of the Bugaboo Intrusive. These deposits are not of interest with regards to this property.

1.5 Previous Work

The current general property area was explored by Norcen in 1979-80 filing a number of assessment reports covering soil and silt sampling. The present owners of the VAD - AB property prospected and trenched at four locations in 1986 exposing several narrow quartz veins carrying pyrite and arsenopyrite. Some high grade gold values were also reported. Petrographic work was also carried out on several samples. In 1988 further limited work was carried out on the property. In 1995-96 a further 204 soil and rock geochem samples were taken. A Metro-Tech 480 survey was undertaken (van der Lee, 1996). This work defined a 150 m x 400 m. long area of interest. One sample returned 13.87 oz./ton Ag and 2.95% Pb. This work appeared to confirm the mineralized trend at NW to SE.

2.0 1997 Exploration Program

The 1997 exploration program was aimed at expanding the area of interest by way of additional soil sampling and further use of the Metro-Tech 480 instrument. The Metro-Tech 480 is essentially a magnetic induction unit or metal detector. It has application in detecting metal objects near surface and appears useful in locating mineralized outcrop under shallow overburden. The unit was available locally and was available within the means of the property owners. More conventional geophysical exploration equipment will give more quantitative results such as VLF-EM and magnetometer units.

Two trips were undertaken onto the property between June 13-15 and July 26-27. On both occasions the property owners were accompanied by a geologist / engineer. During the June 13-15 trip 82 soil samples were collected by a three man crew consisting of James S. Adamson, Sodi Berar and Terry Heard. The work was focussed on the AB claims off the Logging road up the hill.

During the July 26-27 trip the crew consisted of James Adamson, Sodi Berar, Paul Hawkins and two other Field Assistants (Jamie van der Lee and Zak van der Lee). During the two days in the field 63 soil, 4 silt samples and five rocks were collected. Several shallow hand trenches were also dug. Samples taken during this trip were taken by the writer or under the supervision and direction of the writer.

Results for both trips were generally a confirmation of past results. Additional soil geochem results showed somewhat erratic results in extending the area of interest along strike. Rock samples confirmed the presence of gold on the VAD claim.

2.1 Soil and Silt Geochemistry

The collection of 145 "B" zone soil samples added to the exploration data base for the property are shown on Drawing X97-075-03. Soil samples were taken at shallow depths of about 10 cm. using a grub hoe. Several sampling traverses were planned to test the possible on strike extension of the Ruth Vermont NW - SE lineament. No highly anomalous areas were defined. Geochemical analysis is listed in Appendix "A". Several slightly highs are present on the AB-7 and AB-10 claims.

Four silts samples were collected to test the levels of base metals in creeks on the northern part of the property with limited success. The samples failed to indicate significant anomalous values. Sampled media may not have been ideal.

Further geochemical exploration on the property should be guided by a more systematic control perhaps based off a geophysical grid. High density sampling has failed to outline fresh targets. Soil geochemistry has historically in the property area served very well but has to be better guided.

2.2 Geological Mapping and Trench Examination

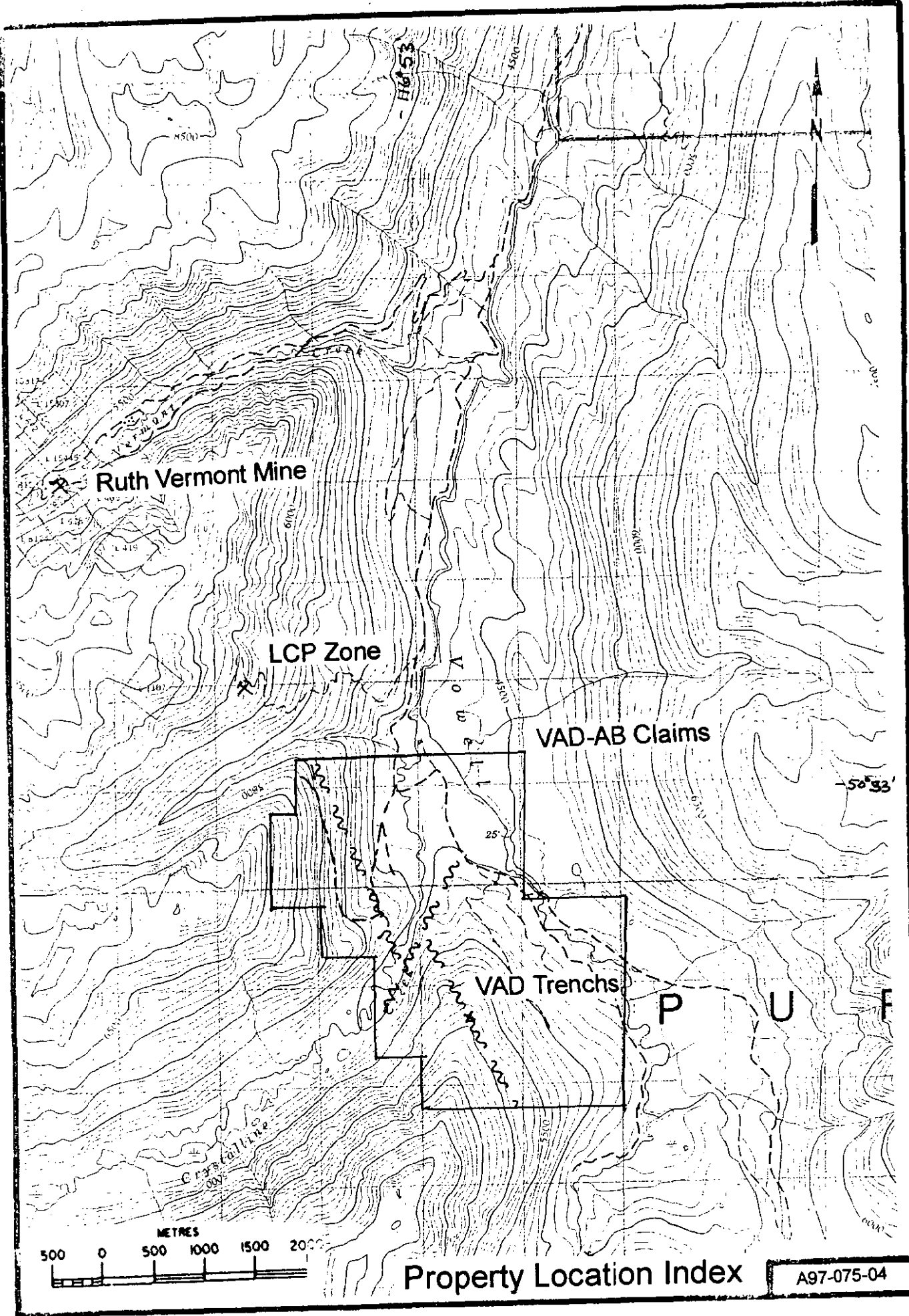
Field work associated with this program consisted of examining the outcrops and pre-existing trenches. In some cases selective re-opening of old Cat trenches to obtain fresh samples was carried out. No detailed mapping was done at this time because of the poor exposure. Close attention was paid to structural orientation. Clearly the main structure orientation is NW- SE while the local veins / structures present in the trenches and outcrops of slate / argillite are at (WNW to NE) oblique angles. Property Location Index is shown on Drawing A97-075-04. Tight folds of slate / argillites are apparent. No limestone was seen. Many fractures are limy in nature. Several very large (3 m. x 4 m. x 4 m.) silicified boulders are present on VAD claim.

Exposures on the VAD claim in old cat trenches are over 30 m. in length exposure structures along strike length not across strike. The deformation zone associated with the zones is clearly wider. Early prospecting focussed on the veins not the true zone. Although not well exposed in the trenches the true full width of the NW - SE structures remains to be fully tested. All three rock samples taken on the VAD claim were anomalous in Au, Ag and Pb.

Rock sample 29654 taken from a quartz stock vein in slate representative of the trench returned 201 ppb Au with 21.7 ppm Ag. Rock sample 29655 taken from a rusty silicified rock outcrop nearby returned 719 ppb Au and 185 ppm Ag with a significant 5.5% Pb. Sample 29656 clearly a high grade special sample from within the vein returned 0.800 oz. Au /ton, 17 oz. Ag /ton, 24.88% Pb and 1.09% Cu. Clearly this is the type of ore we are seeking on this property. Further more extensive trenching is required across strike.

Rock sampling on the AB claims only produced one value of interest near the Manganese showing. Rock sample 29653 produced 0.200 oz. Au / ton with significant Mn content. Rock sample 29652 of a phyllite carrying disseminated pyrite was not anomalous.

Further back hoe trenching is required across structure with a systematic geophysical program to tie the property together in preparation for diamond drilling



Property Location Index

A97-075-04

2.3 Summary and Discussion

Mineralization which is exposed in several trenches consists of sulfide bearing quartz veins, replacement zones, and shear / fault hosted mineralized zones. Sulfide mineralization consists of based on visual examination galena, sphalerite, arsenopyrite, tetrahedrite, pyrite and possible chalcopyrite and scheelite. High values in silver are clearly apparent. The range in sulfides from disseminated to near massive is encouraging. Better widths are now required. The recent discovery of gold on the property adds a new dimension. The quartz veins appear to be typically narrow but the sometimes enclosing shear fault zone appears to offer much greater width. The widespread presence of pyrite and quartz stockwork on some outcrops on new logging roads warrants attention and analysis.

The existing showings although interesting, only exhibit good values over modest widths and are of sufficient interest to justify a modest exploration program at this time given market conditions. The showings do indicate potential which has not been fully developed. The soil geochem gives anomalous values in localized areas. This may be largely dependant on topography not extent of mineralization. The NW- SE lineament is clearly evident on airphotos for the property. A more systematic testing of the property is warranted. Better grid control is required as the second growth is sometimes thick and makes it difficult to get around. We therefore recommend a modest multi-phase program of ground geophysics with back hoe trenching to be followed up by a contingent second phase of diamond drilling. These recommendations would bring the property towards more fully assessment of it's true potential..

2.4 Conclusions and Recommendations

The VAD - AB property hosts several auriferous sulfide bearing quartz veins reporting high grade trench samples. Potential also exists for the location of larger replacement zones and shear / fault hosted mineralization. Values of up to 0.8 oz. Au /ton , 17 oz. Ag /ton, 24% Pb and 1.09% Cu have been returned from typical high grade quartz vein material. Mineralization appears related to the same NW - SE structure that hosts the Ruth - Vermont Mine 4 km. to the north under development by Bright Star Resources.

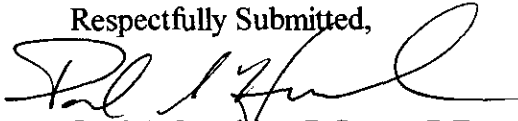
A modest three phase exploration program consisting of ground geophysics including magnetometer, VLF-EM and IP (Phase I), Back Hoe trenching (Phase II) and 4000 ft. diamond drilling (Phase III).

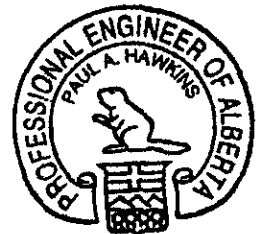
VAD - AB Recommended Program

Phase I	Ground Geophysics		
	Linecutting 25 km.	\$10,000.00	
	VLF-EM & Mag	\$ 5,000.00	
	Induced Polarization Survey	\$17,000.00	
	Mob - Demob	\$ 4,000.00	
	Subsistence	\$ 6,000.00	
	Truck rental & Fuel	\$ 3,000.00	
	Report Preparation	\$ 5,000.00	
		>	\$50,000.00
Phase II	Back Hoe Trenching		
	Back Hoe Rental	\$10,000.00	
	Mob & Demob Trucking of Hoe	\$ 4,000.00	
	Trench Mapping & Report	\$ 4,000.00	
	Chemical Analysis	\$ 1,000.00	
	Reclamation	\$ 1,000.00	
		>	\$20,000.00
Phase III	Diamond Drilling		
	Diamond Drilling	\$130,000.00	
		>	<u>\$130,000.00</u>
	Total All Phases		<u><u>\$200,000.00</u></u>

The VAD - AB is a property of merit which warrants a modest exploration program to test the gold potential of the NW - SE structures which are now known to carry significant gold values. The existing good access provided by ongoing logging makes this a potential low cost exploration project with potential for both vein type gold and Sedex type deposits. Sampling has confirmed the occurrence of potential ore grade material on the property.

PERMIT TO PRACTICE	
PAUL A. HAWKINS & ASSOCIATES LTD.	
Signature	<i>Paul A. Hawkins</i>
Date	30 SEP 97
PERMIT NUMBER: P 4521	
The Association of Professional Engineers, Geologists and Geophysicists of Alberta	

Respectfully Submitted,

 Paul A. Hawkins, B.Sc.^(Eng), P.Eng.



Certification

I, Paul A. Hawkins, of 72 Strathlorne Crescent S.W., in the City of Calgary, Province of Alberta, hereby certify:

1. That I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta and the Association of Professional Engineers and Geoscientists of B.C..
2. That I am the Principal of the firm of Paul A. Hawkins & Associates Ltd. which holds Permit #P4521 to practice Engineering in Alberta.
3. That I am a graduate of Queen's University with a Bachelor of Science degree in Geological Engineering.
4. That I have worked continually as a practicing geological engineer for the past 20 years.
5. That I have not received, nor do I expect to receive, any direct or indirect interest in the property of James Adamson or Sodi Berar or any of their associates or affiliates.
6. That I have been retained by James Adamson on a fee for service basis under our 1994 Fee Schedule.
7. That I have visited the subject property and supervised the 1997 field program on the property and have conducted other Due Diligence examinations on many other properties in Southern British Columbia.
8. That I am familiar with the area geology and mineral potential.
9. That I hereby consent to the publication of this report or parts thereof in a Statement of Material Facts or publication of this report in its entirety for the purpose of raising funds to finance my recommendations.

Dated at Calgary, Alberta this 30th day of September, 1997

Paul A. Hawkins, P.Eng.
Principal
Paul A. Hawkins & Associates Ltd.

References

BCGSB, 1994

Minfile - 082G, J, K, January 1994, Geological Survey, British Columbia

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Tough, 1972

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van der Lee, W.D., 1996

1995-96 Geochem Survey Results and Trenching and Metro-Teck 480 Survey. Ther VAD-AB Mineral Claims, August 20, 1996

van der Lee, Bruce H., 1989

1989 - Geochem Survey Results and Trenching results.

To: VAD - A & B GROUP
 539 - 47th Avenue S.W.
 Calgary, Alberta
 T2J 1C5
 ATTN: Jim Adamson



File No : 39247
 Date : July 15, 1997
 Samples : Soil
 Project :
 P.O.#

Certificate of Assay

Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Ag ppm	Cu ppm	Pb ppm	Zn ppm
"Geochemical Analysis"				
9350N R/L @ Mn bed	0.6	11	23	45
9365N R/L	1.0	10	26	80
9375N R/L	2.8	21	326	143
9400N R/L	0.3	15	19	156
9425N R/L	0.7	22	47	154
9450N R/L	0.1	14	28	96
9475N R/L	0.4	20	31	305
9500N R/L	0.1	21	22	105
9525N R/L	0.5	21	36	152
9550N R/L	0.4	11	37	60
9575N R/L	0.5	14	27	77
9600N R/L	0.5	15	22	56
9625N R/L	0.3	12	16	48
9650N R/L	0.2	19	18	71
9675N R/L	1.4	16	14	69
9700N R/L	0.7	15	25	85
9725N R/L	1.0	14	28	124
9750N R/L	0.7	15	41	92
9775N Road line on top of bank	0.5	14	19	43
9800N, 9975W on top bank of road	2.8	16	29	73

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

Barry Anley
 Kssayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To: VAD - A & B GROUP
 539 - 47th Avenue S.W.
 Calgary, Alberta
 T2J 1C5
 ATTN: Jim Adamson



File No : 39247
 Date : July 15, 1997
 Samples : Soil
 Project :
 P.O.#

Certificate of Assay

Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Ag ppm	Cu ppm	Pb ppm	Zn ppm
9088N, 9985W	0.8	10	20	101
9800N, 10000W				
Baseline	0.2	20	17	86
9800N, 10010W	0.4	17	27	67
9800N, 10025W	0.4	16	24	89
9800N, 10035W	0.8	14	20	80
9800N, 10050W	0.6	19	21	187
9800N, 10060W	0.9	20	21	75
9800N, 10075W	0.4	15	22	62
9825N, 10075W	0.6	24	37	322
9850N, 10075W	0.6	16	260	253
9875N, 10075W	1.7	17	104	96
9900N, 10075W	0.4	10	84	257
9925N, 10075W	0.5	11	47	104
9950N, 10075W	0.6	15	40	127
9975N, 10075W T/L	3.2	14	39	104
10000N, 10000W B/L	0.3	12	16	87
10000N, 10010W	0.2	10	25	56
10000N, 10025W	1.0	19	112	158
10000N, 10035W	1.1	9	91	96
10000N, 10050W	1.2	11	34	85
10000N, 10060W	1.6	9	44	92
10000N, 10075W				
Tree Line	0.8	9	76	113
10000N, 10085W	2.7	10	89	83
10000N, 10100W	2.6	12	180	116
x line cr 425N E path	0.3	9	28	83

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

Jim Adamson
 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To: VAD - A & B GROUP
 539 - 47th Avenue S.W.
 Calgary, Alberta
 T2J 1C5
 ATTN: Jim Adamson



File No : 39247
 Date : July 15, 1997
 Samples : Soil
 Project :
 P.O.#

Certificate of Assay

Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Ag ppm	Cu ppm	Pb ppm	Zn ppm
x line E path 450N				
Bullish	0.5	14	26	75
x line 475N	0.3	7	12	50
x line 500N	0.9	8	19	50
x line 525N	0.3	11	28	49
x line 550N	0.7	10	13	40
x line 575N	0.9	9	11	35
x line 600N	0.2	6	24	77
x line 625N	1.0	23	29	29
x line 650N	0.1	10	31	53
x line 675N	0.1	27	31	78
x line 700N	0.7	13	35	140
x line 725N	0.5	10	137	200
x line 750N	0.2	21	26	93
x line 775N north end of bridge	0.5	22	46	122
x line 800N	0.3	15	23	93
x line C.R. E trail start at 0	0.1	9	49	76
x line 25N	<0.1	14	108	165
x line 50N	0.6	7	55	95
x line 75N	0.2	11	55	136
x line 100N	0.6	7	33	63

I HEREBY CERTIFY that the above results are those assays
 made by me upon the herein described samples :

Jim Adamson
 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To: VAD - A & B GROUP
 539 - 47th Avenue S.W.
 Calgary, Alberta
 T2J 1C5
 ATTN: Jim Adamson



File No : 39247
 Date : July 15, 1997
 Samples : Soil
 Project :
 P.O.#

Certificate of Assay

Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Ag ppm	Cu ppm	Pb ppm	Zn ppm
x line 125N	0.1	13	23	72
x line Dry Wash 135N	0.3	19	29	84
x line 150N	<0.1	9	55	85
x line 175N	0.1	8	17	55
x line 200N	0.2	6	24	37
x line 225N	0.3	12	31	68
x line 250N	0.1	12	29	74
x line 275N	0.9	8	22	48
x line 300N	0.9	6	34	41
x line 325N	1.0	5	10	25
x line 350N	0.6	6	16	31
x line 375N Good path starts going N	0.3	17	33	49
x line cr E path 400N	0.4	7	17	26
Vad road gossan zone 30 element	0.7	22	90	12
upper road @ culvert mn bed	3.7	39	4200	1800
Path set below VAD	1.5	28	41	94
Rock RL 9500N	0.3	7	70	75

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

Long Assay
 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To : VAD - A & B GROUP
 539 - 47th Avenue S.W.
 Calgary, Alberta
 T2J 1C5
 ATTN: Jim Adamson



File No : 39368
 Date : August 18, 1997
 Samples : Soil
 Project :
 P.O.#

Certificate of Assay Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Ag ppm	Cu ppm	Pb ppm	Zn ppm
"Geochemical Analysis"				
0	0.6	4	30	66
10	0.1	9	43	53
20	< 0.1	13	20	54
30	< 0.1	7	20	57
40	< 0.1	9	19	66
50	< 0.1	16	16	85
Top Side Top Road 57	< 0.1	32	28	76
100M-N Rusty Tree 10MW	< 0.1	14	36	79
20W	0.5	19	29	63
30W	0.5	14	30	63
0 W/Side Road	0.4	24	27	93
250M-N 33M N	0.7	52	33	124
250W 43M N	0.7	24	24	70
W27' WDCO	0.6	41	17	65
Upper Rd 10M to East	0.7	22	30	60
20M E	0.4	18	34	61
30M E	0.6	21	41	82
40M E	0.7	20	42	143
50M E	0.6	25	36	123
60M E	0.6	25	30	102
70M E	0.8	19	39	118
80M E	1.0	27	31	162
90M E	0.4	9	6	59
100M E	0.7	25	34	89
110M E	0.5	13	27	81

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

Angela...
 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To: VAD - A & B GROUP
 539 - 47th Avenue S.W.
 Calgary, Alberta
 T2J 1C5
 ATTN: Jim Adamson



File No : 39368
 Date : August 18, 1997
 Samples : Soil
 Project :
 P.O.#

Certificate of Assay

Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Ag ppm	Cu ppm	Pb ppm	Zn ppm
120M E	0.4	8	20	111
130M E	1.2	< 1	11	69
150M E	0.4	5	18	90
160M E	0.6	< 1	10	45
170M E	0.2	3	18	72
180M E	0.4	14	15	43
CO 10W	0.3	38	18	78
CO 20W	0.4	3	20	53
CO 30W	0.2	13	20	65
CO W 40	0.1	18	18	59
CO W 50	0.4	< 1	5	16
CO W 60	2.2	24	33	71
CO W 70	0.4	< 1	17	37
CO W 80	0.8	< 1	8	20
CO W 90	0.6	18	13	66
CO W 100	0.5	10	8	35
CO W 110	0.5	15	31	39
CO W 120	0.4	9	18	26
CO W 130	0.7	13	30	72
CO W 140	0.6	23	22	102
CO W 150	0.5	12	11	82
CO W 160	0.4	11	15	54
CO W 170	0.5	25	28	94
CO W 180	0.6	11	13	43
CO W 190	0.5	21	6	20

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

Steph Walby
 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To: VAD - A & B GROUP
 539 - 47th Avenue S.W.
 Calgary, Alberta
 T2J 1C5
 ATTN: Jim Adamson



File No : 39368
 Date : August 18, 1997
 Samples : Soil
 Project :
 P.O.#

Certificate of Assay Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Ag ppm	Cu ppm	Pb ppm	Zn ppm
CO W 200	0.4	5	8	14
CO W 210	0.7	9	16	43
CO W 220	0.4	3	4	15
CO W 230	0.4	11	7	32
CO W 240	0.2	23	14	67
CO W 250	0.6	9	27	24
VAD-AB Main Vein	68.5	912	> 10000	2702
CRK 1 Soil Bank	0.4	35	98	70
CRK 1 Silt 1	0.6	28	42	107
CRK 2 Silt 2	0.4	19	26	80
CRK 3 Soil Bank	0.8	29	27	102
CRK 3 Silt 3	0.7	35	37	121
CRK 4 SEO	0.4	29	25	71
CRK 5 Silt 4	0.8	33	25	65
CO W 152	18.2	277	> 10000	8385
Upper Road Broken Rock	0.4	41	60	109
Hire Pin Outer ROP	0.4	36	13	24

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

Gary Fwoley
 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



To: VAD A & B GROUP
539 - 47th Avenue S.W.
Calgary, Alberta
T2J 1C5
ATTN: Jim Adamson

Certificate of Assay

Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
Tel: (403)274-2777 Fax: (403)275-0541

File No : 39368
Date : August 18, 1997
Samples : Soil
Project :
P.O.#

Sample No.	Pb %
"Assay Analysis"	
VAD-AB Main Vein	3.81
CO W 152	1.79

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :


Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To : PAUL A. HAWKINS & ASSOC. LTD.
 72 Strathlome Cr. S.W.
 Calgary, Alberta
 T3H 1M8
 ATTN : Paul Hawkins



File No : 39372
 Date : August 12, 1997
 Samples : Rock
 Project :
 P.O.#

Certificate of Assay

Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Mn ppm
"Geochemical Analysis"							
29652	<5	< 0.1	--	--	--	--	--
29653	<5	9.0	45	2476	648	172	8290
29654	201	21.7	95	1366	78	762	--
29655	719	185.0	144	> 10000	3103	360	--
29656	25044	594.0	> 10000	> 10000	81	12187	--

I HEREBY CERTIFY that the above results are those assays
 made by me upon the herein described samples :


 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

To: **PAUL A. HAWKINS & ASSOC. LTD.**
 72 Strathlome Cr. S.W.
 Calgary, Alberta
 T3H 1M8
 ATTN: Paul Hawkins



File No : **39372**
 Date : **August 12, 1997**
 Samples : **Rock**
 Project :
 P.O.#

Certificate of Assay
Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta
 Tel: (403)274-2777 Fax (403)275-0541

Sample No.	Au g/tonne	Pb %	Cu %	Ag g/tonne
"Assay Analysis"				
29655	2.30	5.50	—	166.5
29656	27.41	24.88	1.09	582.4

I HEREBY CERTIFY that the above results are those assays
 made by me upon the herein described samples :

[Signature]
 Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



LORING LABORATORIES LTD.

629 BEAVERDAM ROAD N.E., CALGARY, ALBERTA T2K 4W7

TEL: (403) 274-2777 FAX: (403) 275-0541

G.S.T. No. R103388666

39372

INVOICE

TO PAUL A. HAWKINS & ASSOC. LTD.

72 Strathlome Cr. S.W.

Calgary, Alberta

T3H 1M8

ATTN: Paul Hawkins

Rock

SAMPLES

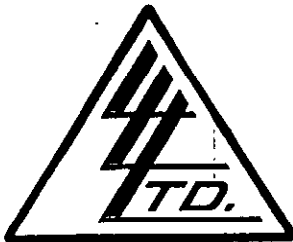
DATE August 12, 1997

P.O. #

Project:

5	Sample Preparations	@	4.50	\$	22.50
5	Au Geochemical Analyses	@	10.00		50.00
5	Ag Geochemical Analyses	@	2.50		12.50
4	Cu, Pb, Zn Geochemical Analyses	@	3.75		15.00
1	Mn Geochemical Analysis	@	1.25		1.25
4	As Geochemical Analysis	@	5.00		20.00
2	Gold Assays	@	12.50		25.00
2	Base Metal Assays (1 Copper, 1 Lead)	@	8.00		16.00
2	Silver Assays	@	11.50		23.00
	Subtotal	@			185.25
				G.S.T.	\$ 12.97
	TERMS - 30 days			TOTAL	\$ 198.22

THIS IS YOUR INVOICE. PLEASE PAY THE AMOUNT SHOWN



629 Beaverdam Rd. N.E.
Calgary 67, Alberta

LORING LABORATORIES LTD.

Phone 274-2777

Geochemical Analysis of Soils, Sediments and Silts.

FOR: Copper, Lead, Zinc, Nickel and Silver, and Cobalt

Sample Preparation:

- Samples were placed in dryer overnight at 105°C.
- All samples are sieved through an 80 mesh nylon screen.
- The minus 80 is placed in pre-marked sample bag for analysis. The plus 80 portion is discarded.

Sample Dissolution:

- 1/2 gram samples are weighed and transferred to test tubes.
- One ml water added, then three mls hydrochloric (concentrated), one ml nitric acid (concentrated) are added.
- Test tubes are then placed into hot water bath 100°C and digested for three hours with occasional shaking to ensure complete digestion.
- Test tubes are removed from water bath and allowed to cool.
- Test tubes are bulked to exactly 10 mls, corked and shook.
- All samples are then allowed to settle until clear.
- The clear solutions are then aspirated through the atomic absorption spectrophotometer with appropriate standards to obtain the metal content.

Detection Limits and Precision:

<u>Element</u>	<u>Detection Limit</u>	<u>Precision at 100 ppm level</u>
Copper	1 ppm	+ - 2 ppm
Lead	2 ppm	+ - 4 ppm
Zinc	1 ppm	+ - 2 ppm
Nickel	1 ppm	+ - 2 ppm
Silver	0.2 ppm	+ - 1 ppm
Cobalt	1 ppm	+ - 4 ppm



LORING LABORATORIES LTD.

629 Beaverdam Rd. N.E.
Calgary, Alberta T2K 4W7

Tel: (403) 274-2777
Fax: (403) 276-0641

ANALYTICAL PROCEDURES FOR 30 ELEMENTS ICP

- A) 0.500 gm. of sample is digested with 3 ml of 3-1-2 HCL-HNO₃-H₂O at 95 degree C for one hour and is diluted to 10 ml with water in test-tube.
- B) The test-tubes is shaken and the solution is mixed thoroughly.
- C) The samples are loaded into auto-sampler of the ICP unit and run with standard when the setup is completed.

GEOCHEMICAL ANALYSIS OF GOLD BY FIRE ASSAY/AA

- A) Weigh 10 grams of sample into a fire assay crucible with appropriate amount of fluxes and flour and mix.
- B) Add palladium in quart.
- C) Place crucible in assay furnace and fuse for 40 minutes.
- D) Pour samples, remove slag and cupel buttons.
- E) Place bead in test tubes and dissolve with aqua-regia.
- F) After dissolution is completed, make to appropriate volume and run against similarly prepared gold standards on Atomic Absorption unit.

COMPANY PROFILE

PAUL A. HAWKINS & ASSOCIATES LTD.

Mineral Property Evaluation

Due Diligence

Planning and Project Development

Remote Sensing

The firm of Paul A. Hawkins & Associates Ltd. was founded in 1986 in Calgary, Alberta and provides consulting engineering services in the Mining Industry. The firm offers specialized expertise in the fields of Mineral Property Evaluation, Due Diligence, Ore Body Computer Modelling, Planning and Project Development and Remote Sensing. Reports are written in plain language.

The primary field of practice is Mineral Property Evaluation which includes regional project generation studies, ore reserve calculations and detailed examinations. The firm has prepared a significant number qualifying reports for the VSE and ASE. The firm has also undertaken many due diligence examinations in support of acquisitions, sales, private placements and mergers.

The firm has completed several Non-Exclusive Structural Studies of Gold Camps in Canada. These studies provide a comprehensive evaluation of the belt or area and define the structural framework in relation to the occurrence of potential Auriferous Structural Deformation Zones.

Paul A. Hawkins & Associates Ltd.

72 Strathlorne Crescent S.W.

Calgary, Alberta

T3H 1M8

Telephone (403) 242-7745

Fax (403) 246-1992

E-mail: Phawkins1@compuserve.com

Resume of

PAUL A. HAWKINS, B.Sc., P.Eng.

PROFESSIONAL STANDING and EDUCATION
Professional Engineer, Province of Alberta
B.Sc., Geological Engineering, Queen's, 1977

EXPERIENCE

PAUL A. & HAWKINS & ASSOCIATES LTD.
Principal

1986-Present

Independent Consulting Engineer in the fields of Mineral Property Evaluation, Due Diligence, Planning & Project Development, Environmental Sensitivity Studies and Remote Sensing.

- Prepared property evaluation reports for various clients on gold, base metals and diamond properties in Canada and U.S.A.
- Managed Diamond exploration programs for several clients in N.W.T., Saskatchewan and Alberta.
- Carried out prospect generation studies on several greenstone belts that delineated previous unknown auriferous structures.
- Conducted an aerial photography study on a property that extended several previous known mineralized zones that surface work had failed to locate.

SUNCOR INC.
Minerals Geologist

1981 - 1985

Responsible for the management, planning and operation of a gold exploration program during 1984 and 1983 in the Cullaton Lake Area, N.W.T.

- Managed a staff of eight professionals with a yearly budget of \$1.3 million.
- Reoriented program on short notice because of Important gold discovery.
- Prepared applications and maintained all Land and Water Use permits.

Between 1981 and 1983 was responsible for the planning, management and operation of gold and base metal exploration on four properties in B.C. Because of a proposal to create a new provincial park in an area in which one project was located; participated in an intensive lobbying effort that was undertaken at three levels of government and successfully prevented the alienation of the area into park status. Through this effort developed and maintained close contact within several ministries at levels up to the Assistant Deputy Minister. Several written briefs were also prepared and submitted to Cabinet level.

PAN OCEAN OIL LIMITED
Project Geologist

1978-1981

Responsible for the planning, management, supervision of technical staff and environmental monitoring associated with a large uranium ore body definition drilling program in the N.W.T.

- Assembled and supervised team of professional and nonprofessional staff in excess of 40.
- Program had budget of \$7 million Involving 43,000 ft. of drilling.
- Instituted metallurgical and mineralogical examination of ore to determine preliminary feasibility and process flow chart development.
- Involved in negotiating a special Land Permit enabling experimental use of track vehicles in drilling program.
- Assisted in setting up environmental monitoring program.
- Program resulted in the eventual definition of 11.6 million tons grading 1.03%U308.

GULF MINERALS CANADA LIMITED
Drill Geologist

1978

Responsible for the operation of ore body definition drill program in Northern Saskatchewan just south of Rabbit Lake Mine.

- Jointly responsible for the logging of cuttings from a reverse circulation drill program.
- Responsible for interpretation of results and drill hole selection.
- Part of the team which defined the West Bear Uranium Deposit.

ASAMERA OIL CORPORATION LIMITED
Junior Geologist

1977- 1978

Responsible for field operations in Year 1 of large Uranium exploration program around Midwest Lake that eventually led to the discovery of Dawn Lake and Cigar Lake Ore bodies.

- Conducting grass roots uranium exploration in Northern Saskatchewan.
- Planning and supervision of large airborne survey including ground follow-up.
- Supervised field staff of eight in summer program.
- Supervising of operations of 1,500 tons per day phosphate mine.
- Setting up and maintaining production records.
- Supervising pilot plant tests.
- Calculating production and ore reserves.

SUMMER EXPERIENCE

URANGESELLSCHAFT CANADA LIMITED Senior Assistant	1976
HOLLINGER NORTH SHORE EXPLORATION LIMITED Assistant Drill Geologist	1976
HUDSON'S BAY OIL AND GAS MINING LIMITED Junior Geologist	1975
DUVAL INTERNATIONAL CORPORATION Field Assistant	1974
TRANSCANADA PIPELINES LTD. Compressor Station Operator	1973

Other Positions:

Calgary Mineral Exploration Group Society President	1993-1994
---	-----------

PROFESSIONAL DEVELOPMENT

Block Modelling, Surpac Software International, 1996
Management Certificate, University of Calgary (In progress)
D.S.T. for Geologists, Hugh W. Reid & Associates, 1986
A Practical Overview of the Exploration Process, University of Calgary, 1986
Gold Exploration, Queen's, 1983
Economic Evaluation, Suncor, 1984
Recruiting Techniques, Suncor, 1983

INTERESTS: Gardening, skiing, photography, reading

MARITAL STATUS: Single

References: Available upon request

Expenditure Statement - 1997
VAD - AB Claim

Phase I - June 13-15, 1997

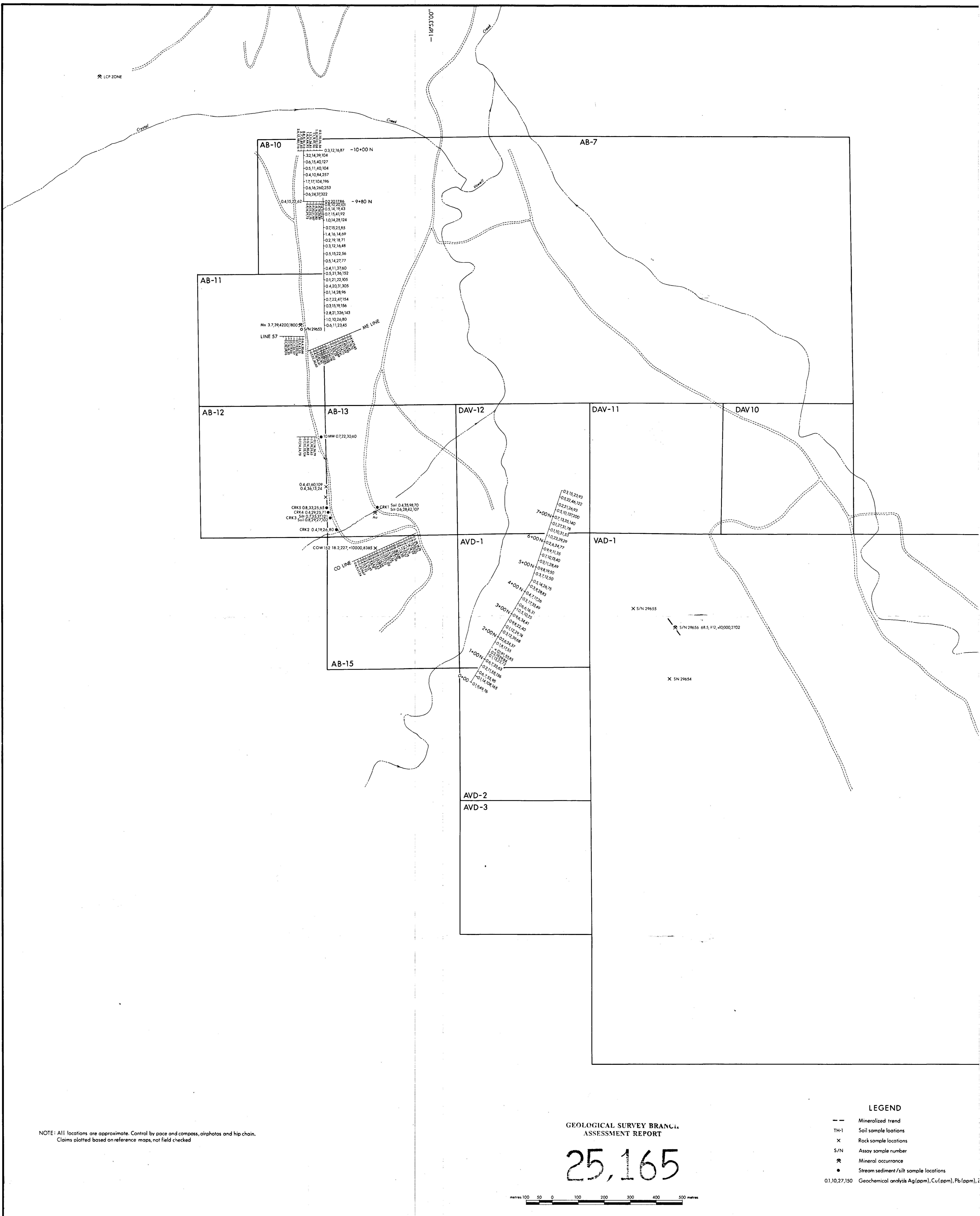
Geochemical Analysis		
Sample Preparation (82 @ \$2.75)		\$ 225.50
Ag,Cu,Pb,Zn Analysis (82 @ \$6.25)		\$ 512.50
Truck Rental - 4x4 (3 days @ \$50.)		\$ 150.00
Truck Rental - 4x2 (3 days @ \$30.)		\$ 90.00
Fuel (B.C. Only)		\$ 75.00
Field Supplies (Maps, Flagging Tape, sample bags etc)		\$ 100.00
Subsistence (3 days x 3 men @ \$40.00)		\$ 360.00
Instrument Rental - Metro-tech 480 (3 days @ \$50.)		\$ 150.00
Wages - Supervision - T. Heard (3 days @ \$300.)		\$ 900.00
- Field Assistant - Adamson & Berar (2 x 3days @ \$180)		\$1,080.00

Phase II - July 26 - 27, 1997

Geochemical Analysis - Adamson		
Sample Preparation (67 @ \$2.75)		\$ 184.25
Ag,Cu,Pb,Zn Analysis (67 @ \$6.25)		\$ 418.75
2 lead assays (2 @ \$8.00)		\$ 16.00
Truck Rental - 4x4 (2 days @ \$50.)		\$ 100.00
Truck Rental - 4x4 (Hawkins Prorated)		\$ 49.99
Truck Rental - 4x2 (2 days @ \$30.)		\$ 60.00
Fuel (B.C. Only for Adamson & Berar)		\$ 75.00
Diesel Fuel (Hawkins)		\$ 45.00
Field Supplies (Maps, Flagging Tape, sample bags etc)		\$ 100.00
Equipment Rental - Chain Saw		\$ 20.00
Subsistence (2 days x 4 men @ \$40.00)		\$ 320.00
Wages - Supervision - P. Hawkins days @ \$400)		\$ 800.00
- Field Assistant - Adamson (2days @ \$180)		\$ 360.00
- Berar (2days @ \$180)		\$ 360.00
- J. van der Lee (2days @ \$180)		\$ 360.00
- Z. van der Lee (2days @ \$180)		\$ 360.00
Hawkins Report Preparation		
Professional Services - P.Hawkins (2.5 days @ \$400)		\$1,000.00
Drafting - G. Wellens (16 hours @ \$30.00)		\$ 480.00
Reproduction		\$ 50.00
Loring Invoice #39372		\$ 185.25

Total Deemed Expenditure

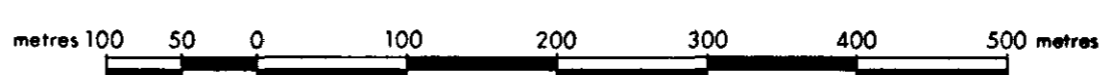
\$8,987.24



NOTE: All locations are approximate. Control by pace and compass, airphotos and hip chain. Claims plotted based on reference maps, not field checked.

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

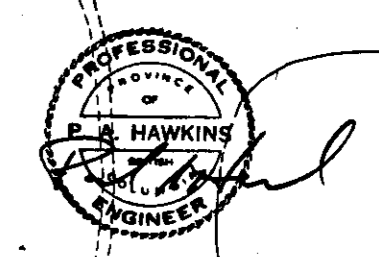
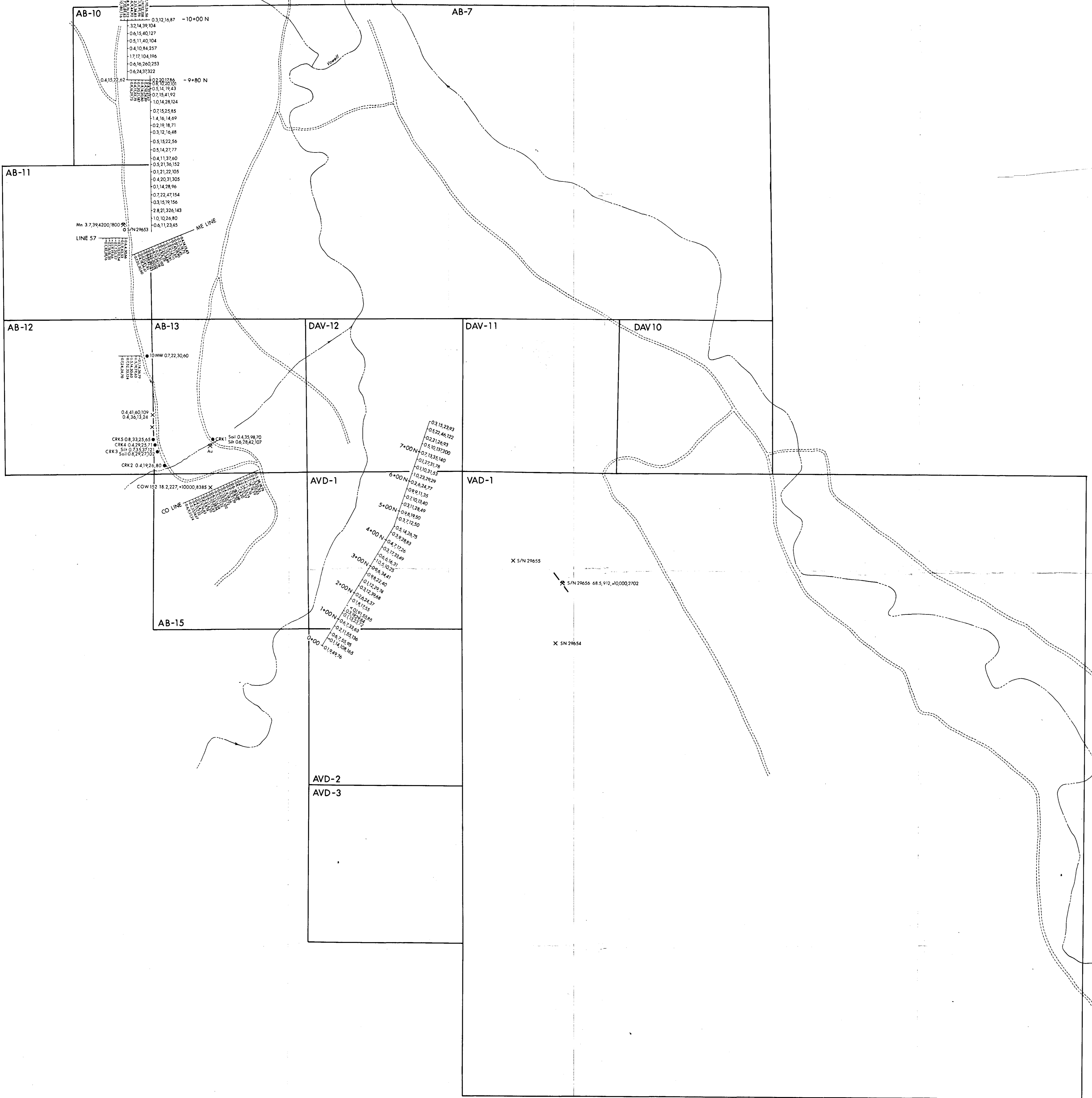
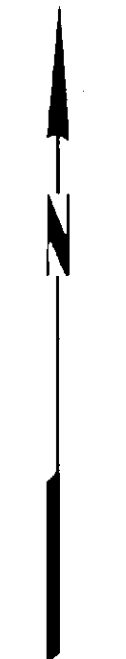
25,165



- LEGEND**
- Mineralized trend
 - TH-1 Soil sample locations
 - X Rock sample locations
 - S/N Assay sample number
 - Mineral occurrence
 - Stream sediment/silt sample locations
- 01,10,27,150 Geochemical analysis Ag (ppm), Cu (ppm), Pb (ppm), Z

-116°53'00"

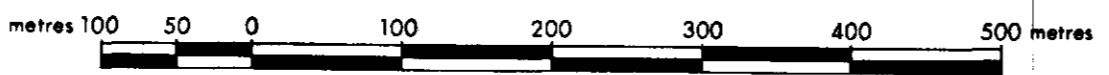
-50°53'00"N



PERMIT TO PRACTICE
 PAUL A. HAWKINS & ASSOCIATES LTD.
 Signature: *Paul A. Hawkins*
 Date: 20 Sep 1997
 PERMIT NUMBER: P 4521
 The Association of Professional Engineers,
 Geologists and Geophysicists of Alberta

GEOLOGICAL SURVEY BRANCH
 ASSESSMENT REPORT

25,165



Compass, airphotos and hip chain checked

- LEGEND
- Mineralized trend
 - TH-1 Soil sample locations
 - X Rock sample locations
 - S/N Assay sample number
 - Mineral occurrence
 - Stream sediment / silt sample locations
 - 01,10,27,150 Geochemical analysis Ag (ppm), Cu (ppm), Pb (ppm), Zn (ppm)

BUGABOO CREEK AREA
 VAD-AB MINERAL CLAIMS
 1997 GEOCHEM. COMPILATION
 GOLDEN MINING DIVISION

September, 1997 1:5000 82 K / 15 X 97-075-03