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This report has been examined by the Geological Evaluation Unit and is recommended to the Council to be considered as representing the amount of $ 5900

Recorder or
Mining Engineer

Considered as representation work under Section 5 (6) Yukon Quartz Mining Act.

Commissioner of Yukon Territory

VAL CLAIM GROUP

1. INTRODUCTION

Detailed geological mapping was carried out in the Little Red - South Hill Zone area as a prelude to drilling. D-6 Cat trenching and surveying were completed on the South Hill, Tetrahedrite, Big Red, Little Red and North Kill Zones. The 1978 soil grid was extended to the west and southwest. A total of 313 soil samples were taken over 14 line kilometres of grid. The soil grid on the Val "B" section of the claim block was extended westward. 468 samples were taken over 41 line kilometers of this grid.

Thirty nine diamond drill holes, totalling 3158 metres (10359 feet) in length, were completed. Of these, fourteen were drilled on the South Hill Zone, five in the Tetrahedrite Zone area, fourteen on the Big Red Zone, five on the Little Red Zone, and one on the North Kill Zone.

(2) LOCATION AND ACCESS

The VAL claim block is 20 km (12 miles) long, extending from a point 12 km (8 miles) east of KATHLEEN LAKES to the southeastern flank of RUSTY MOUNTAIN which lies 32 km (20 miles) east of KATHLEEN LAKES (see Fig. 1). The claim block is about 120 km (80 miles) northeast of MAYO and about 240 km (160 air miles) north-northwest of ROSS RIVER. Access is by helicopter.

(3) CLAIM INFORMATION

All 318 VAL claims are in MAYO MINING DISTRICT and are owned by PRISM RESOURCES. The following table lists important claim information:

TABLE 1

CLAIM	DATE STAKED	STAKER	RECORD NO.	RECORDING DATE	EXPIRY DATE
VAL 1-8	July 4/78	B. Dewonck	YA30884-91	July 19/78	July 19/79
9-16	"	H. Grond	YA30892-99	"	"
17-24	"	D. McGregor	YA30900-07	"	"
25-32	"	G. Sivertz	YA30908-15	"	"
33-40	"	S. Boultbee	YA30916-23	"	"
41-48	"	N. Carroll	YA30924-31	"	"
49-54	"	J. Haase	YA30932-37	"	"
55-62	July 8/78	B. Dewonck	YA37128-35	July 28/78	July 28/79
63-70	"	S. Woods	YA37136-43	"	"
71-78	"	B. MacDonald	YA37144-51	"	"
79-86	"	P. Harris	YA37152-59	"	"
87-94	"	J.F. Smith	YA37160-67	"	"
95-102	"	D. Murphy	YA37168-75	"	"
103-110	"	M. Hayes	YA37176-83	"	"
111-118	"	C. Penner	YA37184-91	"	"
119-126	"	V. Cavey	YA37192-99	"	"
127-134	July 24/78	R. Ackerman	YA37200-07	"	"
135-142	July 15/78	J.C. Lund	YA37208-15	"	"
143-150	July 16/78	R. Gould	YA37216-23	"	"
151-158	"	S. Friesen	YA37224-31	"	"
159-166	"	W.A. McLean	YA37232-39	"	"
167-174	July 24/78	D.N.H. Dumka	YA37240-47	"	"
175-182	"	H. Meyers	YA37248-55	"	"

CLAIM	DATE STAKED	STAKER	RECORD NO.	RECORDING DATE	EXPIRY DATE
183-190	July 24/78	D. Houselander	YA37256-63	July 28/78	July 28/79
191-198	"	G. Olmstead	YA37264-71	"	"
199-206	"	D.A. Pearce	YA37272-79	"	"
207-214	"	J.H. Sherritt	YA37280-87	"	"
215-222	"	D. Lund	YA37288-95	"	"
223-230	"	L. Delipper	YA37296-303	"	"
231-238	"	L. Skretka	YA37304-11	"	"
239-246	"	J. Hegge	YA37312-19	"	"
247-254	"	J. Weeks	YA37320-27	"	"
255-262	"	S. Alderton	YA37328-35	"	"
263-270	"	J. Assmus	YA37336-43	"	"
271-278	"	M. Duckett	YA37344-51	"	"
279-286	"	K. McKinnon	YA37352-59	"	"
287-294	"	K. Bittner	YA37360-67	"	"
295-302	Aug. 2/78	F. Reid	YA37954-61	Aug. 17/78	Aug. 17/79
303-310	"	C. McGregor	YA37962-69	"	"
311-318	"	D.J. Reid	YA37970-77	"	"

4. GEOLOGY

In order to complement the 1978 mapping, some detailed work was done in the South Hill Zone - Big Red Zone area (see Fig. 3). An attempt was made to gather structural information and to define the shapes of the bodies of recrystallized dolomite and dolomite breccia in the Big Red Zone - Tetrahedrite Zone area. Exposed contacts between breccia and laminated dolomite are rare, and the few that exist cannot be extrapolated with confidence. As an example, an outcrop 50 meters southwest of the Tetrahedrite Zone is partly massive, red-weathering, coarse-grained sparry dolomite, and partly normally bedded laminated grey dolomite. The two rock types meet in a zone of fractured, partially brecciated grey dolomite, where tongues of coarse crystalline dolomite, extending from the main mass, alternate with patches of lightly brecciated and undisturbed grey dolomite. It is impossible to assign an attitude to the contact. However, the contact zone is heavily fractured, as are other exposed breccia - grey dolomite contact areas, and it is likely that the fractures control the occurrence of the breccia bodies. No evidence of large folds, other than the southeasterly dip of the entire dolomite - shale - quartzite package in the vicinity of the showings, was seen in the area examined. A few small, open folds, with amplitudes of a few centimeters and steeply southeast-plunging axial lines are found on the hill below the South Hill Zone outcrop. Fracturing and minor faulting is much more intense than was previously realized. Northeast trending fractures and minor faults with steep northeasterly dips are extremely common. Slickensides on scarps developed by these features indicate strike - slip motion.

Bulldozer trenching northeast of the South Hill Zone and elsewhere on the property revealed the presence of limy black shale, interbedded with the laminated grey dolomite. These black shale beds range up to several meters in thickness, and were not detected in 1978 because of their recessive weathering tendencies.

The interpretation of the geology of the Val 21-30 claims, as presented in the 1978 report, has not been radically altered by the 1979 work.

5. GEOCHEMISTRY

Val grid - The soil sampling program carried out in 1979 extended the silver-lead-zinc soil anomaly outlined in 1978. Composite soil sample maps (Previous Report) present the results of the 1978 and 1979 sampling. Sharp highs representing the main showings are distributed within 200 meters of line 10000E, from 10200N to 10900N. A large zinc anomaly, roughly triangular in plan extending from 9900E to 9400E on lines 10700N to 10900N represents downslope dispersion from the zinc-rich and heavily-weathered Little Red Zone. Spot highs at 9750E on line 11400N and at 9250E on line 12200N reflect small, high grade occurrences of galena and sphalerite. A linear trend symmetrical about 9750E from line 9600N to line 10600N, well defined by lead and zinc, and to a lesser extent, silver, may reflect overburden-covered or subcropping mineralization. Occasional float is found within the limits of this trend, but it was not trenched in 1979 due to the steepness of the slopes on which it lies. Another, broader trend, outlined by lead and zinc, extends along lines 10000N and 10100N from 9150E to 9600E. A few pieces of

float have been found on the slope here, but again, the area was not trenched due to the steep slopes. This anomaly may represent a covered or subcropping vein with a strike similar to that of the South Hill Zone. It may even reflect an extension of the South Hill Zone.

In conclusion, the soil anomalies on the property reflect either known, outcropping mineralization, mineralized talus, downslope metal dispersion, or areas where mineralized float has been found. In order to examine float and soil anomalies in overburden-covered areas where slopes are too steep to use the bulldozer, hand-trenching will have to be used to examine bedrock. However, it is possible that linear, higher order anomalies lying withi broad highs such as the previously mentioned anomaly on lines 10000N and 11100N, may be caused by subcropping mineralization and may have to be tested by drilling.

Val "B" grid - The 1978 grid was extended from line 4000E southwestward to line 500E (See Figs. 12 , 13 and 14). This work outlined a large, irregular, low level lead anomly in the northwestern area of the grid, a smaller, higher order, silver-lead-zinc anomaly between stations 11100N and 11500N on lines 3700N to 4200E, and a number of low-order spot anomalies. None of these anomalies have been investigated in detail to date, since other projects had priority. It is recommended that the anomalies be carefully prospected in 1980.

6. SOUTH HILL ZONE

Drillsites were prepared using the bulldozer, and a long trench was cut across the projected strike of the zone, about 100 meters to the west of the showing. The showing itself was not trenched, since it is located on a steep slope that could not be reached by the bulldozer.

Fourteen holes were drilled on the zone in 1979 for a total of 1483.5m (see Figs. 9 , 10 and 11) to determine the downdip nature of the mineralization drilled in 1978.

The first of these, hole 9-1, intersected two zones of sphalerite-galena each less than a meter in true thickness, separated by a 2-meter thick section of unmineralized dolomite. Since one of the 1978 holes, drilled updip from 9-1, had a much better intersection, it appeared that the zone was pinching out vertically. To test the hypothesis that the zone plunges northeast, the drill was moved 30 m northeast and hole 9-2, drilled at -45^{o}, intersected 4 meters (true thickness) of sulfides. Hole 9-3 was drilled on the same bearing as 9-2 but the dip of the hole was increased to -65^{o}. This intersected almost 5 meters of mineralization so the drill was swung 30 degrees to the east and another hole, 9-4, was drilled at -65^{o}, intersecting about 3 meters of lower grade sphalerite and galena.

The pattern that emerged when the results of the first four holes of 1979 were combined with those of 1978 of 1978 was that the South Hill Zone migh be a steeply northeast-plunging shoot. To test this theory, the vertical hole of 1978 (78-10) was deepened to test the possibility of the zone existing at this point, it became necessary to confirm the apparent northeast plunge of the zone, and the drill was moved back to the setup of 9-2, 9-3 and 9-4, and a deep hole (9-6) was drilled, at -85^{o}. This did not intersect mineralization until the 168 meter mark, so a shallower hole (9-7) was drilled, at -77^{o}. This hole was blank. At this point, the drill was moved to the Little Red Zone.

Late in the season, the drill was moved back to the South Hill Zone and six holes were drilled to the southwest of the previously drilled area. All six of these holes intersected mineralization, although the overall grades are lower than those of the northeastern section of the zone, and the southwestern-most hole had only low-grade mineralization suggesting that the zone pinches out here.

Since there seemed to be no point in drilling further southwest, the drill was moved to a setup 50 meters northeast of the setup of holes 9-2 to 9-7, and a hole (9-37) drilled at -65^{o} intersected only low grade mineralization.

The drilling results of 1978 and 1979 indicate that the South Hill Zone may consist of two areas or "shoots" of mineralization, separated by a section of unmineralized dolomite.

The northeast "shoot" outcrops strongly for 20 to 25 meters, and appears to plunge steeply northeast. Only low grade or narrow intersections were obtained updip of its thickness axis, and it appears to pinch out sharply downdip.

The southwest "shoot" outcrops in only one spot, about 40 meters southwest of the end of the 1978 trench. The six intersections obtained are lower in overall grade and thickness than those from the northeastern "shoot". Although more drilling is needed for proof , it is possible that the very deep intersection of hole 9-6 was actually from the southwestern "shoot" which may also plunge steeply northeast, parallel to the higher grade northeastern body.

7. TETRAHEDRITE ZONE

The mineralization discovered in 1978 was not trenched this year, since the cat could not operate on the steep rock slope where it occurs. However, a small occurrence of galena-tetrahedrite was uncovered during trenching about 40 meters north-northeast of the 1978 mineralization (see Fig. 4), and a lens referred to as "Archie's Vein", was uncovered about 100 meters east of the 1978 mineralization. This lens strikes 150° and dips vertically. It is exposed for about 8 meters along strike, and has a core of massive galena about 0.3 m thick, with an envelope of disseminated sphalerite in white sparry dolomite. The total thickness of the lens is difficult to estimate from the surface exposure, since the bedrock in the vicinity of the mineralization is highly weathered and most of the sphalerite has been leached out.

A single hole drilled at -45° towards the 1978 galena-tetrahedrite mineralization from a drillsite 40 meters to the north-northeast intersected only very minor, low-grade mineralization at widely-spaced intervals. This mineralization was not assayed.

Three holes tested "Archie's Vein". 79-28 and 79-29 were drilled in the same plane, at -45° and -65°. The -45° hole hit mineralization similar in grade and character to that exposed on surface. The -65° hole was dry. Another hole, 79-30, was drilled 25° away from 79-28 and 79-29, to test the along-strike extension of the lens. It encountered a short section of low-grade sphalerite-galena.

Also from this setup, but at the end of the drill program, hole 9-39 was drilled southeast to test for a possible northeast extension of the South

Hill Zone.

The 1979 work in the Tetrahedrite Zone area indicates that mineralization here, although locally of high grade, is discontinuous. Controls on the mineralization, other than proximity to or inclusion within breccia zones, are not understood. The problem is complex, since it is twofold; insight is needed into the factors governing the origins, and location of both the breccia bodies and the mineralization associated with them.

8. BIG RED ZONE

The Big Red Zone was surveyed, as a prelude to drilling, but was not trenched, since the combination of shallow overburden and steeply inclined bedrock prevented the cat from reaching the mineralization. The slope 50 to 75 meters downhill from the showings was crosscut and a series of drillsites were prepared here. Three more drillsites were handmade just uphill from the showings, and initial drilling was done from two of these.

A plan and sections of the Big Red Zone are presented as Figs. 5 and 6 . The first four holes were drilled from a setup 10 meters north of the mineralization trenched in 1978. The first hole, 79-14, was drilled at -55^{o}. Mineralization, ranging from minor fracture fillings to massive sections, was encountered nearly continuously for the first 65 meters of the hole. This mineralization was hosted by brecciated grey dolomite and intermittent sections of white, recrystallized sparry dolomite.

The best mineralization was encountered from 24.4 meters to 28.5 meters, and from 51.2 meters to 55 meters. The upper intersection consists of nearly massive reddish-brown sphalerite with disseminated galena, averaging 6.6% lead, 49.9% zinc, and 158ppm silver. The lower intersection is massive,

coarse-grained galena, sphalerite and tetrahedrite, averaging 53.2% lead, 10.9% zinc, and 4,377 ppm silver. This section includes 1.5m. that assayed 7390 ppm silver, which is the highest silver assay obtained on the Val property to date, from either surface or core material. It is interesting to note the change in the mineralization from dominantly sphalerite with low silver values to dominantly galena-tetrahedrite with very high silver values. This may represent crude metal zoning or simply reflect the heterogenous nature of the mineralization in this area.

Following the completion of 79-14, a short vertical hole was drilled to test the dip of the mineralization. This hole was blank. The next hole, 79-16 which was drilled at -50^{o} on a 45^{o} fan from 9-14, intersected mineralization similar to that in 9-14, from 10.5m to 30.5m. Near the top of the hole, narrow bands of massive galena alternate with grey dolomite breccia. At 15.5m, this gives way to massive, red-brown sphalerite with higher lead and silver values than in hole 14. Below 24m, the mineralization resembles that found near the top of the hole.

The last hole drilled from this setup, 79-17, was blank, and may have remained in the footwall of the zone encountered in 79-14 and 79-16.

Two more holes were drilled from a setup 50 meters west of the first setup. The first of these, 79-18, was a -50^{o} hole drilled nearly parallel to 79-14, intended to test continuation of the zone. A section of dolomite boxwork with limonite and some galena was intersected near the top of the hole. Another hole, 79-19, was a short vertical, intended to test low grade mineralization found during construction of the drillsite, and to test the dip of the boxwork section in 79-18. Seven holes drilled into the hill from the lower drillsites failed to encounter mineralization of the quality of that found in

the upper holes. However, 79-20, 79-21, and 79-22 had short intersections; the highest grade being found in 79-22. A single hole, drilled near the end of the program from a site 50 meters northeast of the showing, and intended to extend the zone intersected in 79-16, encountered only minor, widespread sphalerite in fractures sub parallel to the core.

The long, high grade intersections in some of the Big Red holes warrant further investigation. Because of the difficult terrain in the neighbourhood of the zone, drillsites will be very time-consuming to prepare, so their locations should be selected with extreme care.

9. LITTLE RED ZONE

The zone was surveyed and the lower section was bulldozer trenched. Mineralization was exposed for about 10 meters along the wall of a trench cutting across the center of the zone (see Fig 9). Another area of mineralization was exposed near the bottom of the slope, just north of the "kill zone" area. This was further exposed by hydraulicking later in the season. It consists of alternating bands of sphalerite and galena and massive white dolomite. The banding dips in the same general direction as the slope (southwest) but less steeply, around 15^{o}. The outcrop surface is oxidized to a rusty brown.

The contacts between mineralized and unmineralized rock suggest that the mineralization has the form of a lens of gentle southwest dip.

Three diamond drill holes intersected this lens. These were drilled from a setup about 20 meters east of the mineralized outcrop. Two holes, 79-8 and 79-10, were drilled at -45^{o} and fanned 45^{o} apart. Hole 79-8 intersected 6 meters of well mineralized, sparry white dolomite, followed by

5 meters of alternating grey dolomite and white dolomite-matrixed dolomite breccia, followed by 14 meters of white sparry dolomite with a few grey clasts. These lower 19 meters are lightly mineralized. The rest of the hole is unmineralized grey dolomite. Hole 79-10 intersected 11 meters of banded sphalerite with minor galena in a white, sparry dolomite matrix. The contact between the mineralized white sparry dolomite and the grey dolomite lower in the hole is quite sharp. Hole 79-9, a vertical hole drilled to test the downdip extension of the mineralization in the two -45° holes, intersected 0.45 meters of sphalerite and minor galena in a white dolomite gangue.

Two more holes, 79-11 and 79-12, were drilled from a setup about 70 meters east of the first.

These holes were intended to test the outcropping mineralization found in 1978. 79-11 was drilled at -45° directly towards the source of the mineralized float that formed the "Little Red Zone" of 1978. No mineralization was intersected. The hole was drilled to 120 meters depth to check all east-west dip possibilities of its main target, and also to test possible northern extensions of the eastern lens. Another hole, 79-12, was drilled at -55° on a 45° fan from 79-11 in an attempt to intersect the mineralization exposed by the cat near the middle of the zone. This hole was not mineralized.

The five holes drilled on the Little Red indicate that the exposed mineralization does not extend to depth. In addition, the low silver grades obtained from the intersections were disappointing. For these reasons, it would be difficult to justify further drilling on the zone with a large drill. However, if further definition of the lenses is required in the future, the best method would be a series of short, vertical holes. A portable drill such as a Winkie would be effective, since most holes could be collared on or very close to bedrock.

10. NORTH KILL ZONE

The North Kill Zone was surveyed and extensively bulldozer trenched during 1979 (see Fig. 8). The trenching uncovered a small section of mineralized outcrop about 10 metres north of the hand trench of 1978. A long east-west trench excavated 20 metres north of the mineralized trench exposed weathered crenulated black shale and grey siltstone. An isolated outcrop of chert or silicified siltstone mineralized with disseminated pyrite and chalcopyrite was also uncovered in this trench. It is likely that this outcrop is a boudin in the siltstone-shale package.

The trenching did not expose any new lead-zinc mineralization, nor did it add measurably to the previously known mineralization.

A single drill hole (79-13) was drilled at -45^{o} towards the mineralized outcrop exposed by the bulldozer. This hole was drilled at right angles to the 1978 hole (78-1) to test the possiblity that the mineralization had an east or west dip or plunge. No mineralization was encountered in the hole. The combined results of the 1978 and 1979 trenching and drilling suggests that the outcropping mineralization must be a gently dipping or flat lens. No further work with large drills is recommended, although a few short Winkie or X-ray holes would provide the exact dimensions of the lens.

11. Cost Breakdowns

(a) Val #29 Claim

Drilling: D.W. Coates Enterprises Ltd.
Invoices 1557, 1567

Holes 37 and 39

Totals:

Hole	37	$ 4,334.20
"	39	$ 5,626.75
		$ 9,960.95

Assessment Applied for: 2 years each for:

Group MA 588:	Val #7, #55-58, #295-298, #307-310	$2,600.00
Group MA 590:	Val #144	200.00
Group MA 591:	Val #142, #179	400.00
Group MA 592:	Val #140, #177, #180	600.00
Group MA 593:	Val #138, #175, #178, #221	800.00
Group MA 594:	Val #136, #173, #176, #219, #292	1,000.00
	Total:	$ 4,600.00
	Balance:	$ 5,360.95

George Swerdy

COST BREAKDOWNS (Cont...)

(b) Val #28 Claim

Drilling: D.W. Coates Enterprises Ltd.
Invoices 1544, 1557

Holes 18 - 23 and 24 - 26

Totals:

Holes 18-23	$ 20,470.85	
Holes 24-26	$ 6,554.80	
		$ 27,025.65

Assessment Applied for: 2 years each for:

Group MA 595:	Val #28, 32, 34, 36, 51-54, 113, 115, 117, 119, 121, 123, 125	$ 3,200.00	
Group MA 596:	Val # 49, 50, 109-112, 114, 116, 118, 120, 122, 124, 126	$ 2,600.00	
Group MA 597:	Val #47, 48, 91, 93, 94, 98-103, 105, 107, 108	$ 2,800.00	
Group MA 598:	Val #45, 46, 95, 97, 104, 106	$ 1,200.00	
		Total:	$ 9,800.00
		Balance	$ 17,225.65

George Smerek

COST BREAKDOWNS (Cont...)

(c) Val #27 Claim

Drilling: D.W. Coates Enterprises Ltd.
Invoice 1544

Holes 14 - 17

Totals:

Holes 14-17 $ 14,197.30

Assessment Applied For: 2 years each for:

Group MA 587:	Val #8-18, 27, 29, 31, 33, 35	$3,200.00
Group MA 589:	Val 5, 6, 20, 22 -26, 37-41, 88	$2,800.00
Group MA 599:	Val 44, 85, 86, 89, 92, 96, 131, 134, 171, 174, 217, 220, 263	$2,600.00
Group MA 600:	Val #132, 169, 172, 215, 218, 261	$1,200.00
Group MA 601:	Val 167, 170, 213, 216, 259,	$1,000.00
Group MA 602:	Val #168, 211, 214, 257	$ 800.00
Group MA 603:	Val 209, 212, 255	$ 600.00
Group MA 604:	Val 210, 253	$ 400.00
Group MA 605:	Val 251	$ 200.00

Total: $ 12,800.00

Balance: $ 1,397.30

George Swenty.

COST BREAKDOWN (Cont...)

(d) Val #26 Claim

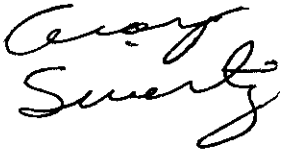
Drilling: D.W. Coates Enterprises Ltd.
Invoice 1544
Holes 8-12

Totals:

Holes: 8-12 $ 12,619.40

Assessment Applied for: 2 years each for:

Group MA 606:	Val #42, 43, 83, 84, 87, 90, 129, 130, 165, 166, 207, 208, 249	$2,600.00
Group MA 607:	Val #127, 128, 163, 164, 205, 206, 247,	1,400.00
Group MA 608:	Val 133, 135, 137, 139, 141, 143	1,200.00
	Total:	5,200.00
	Balance:	7,419.40



COST BREAKDOWN (Cont....)

(e) Val #21 Claim

Drilling:	D.W. Coates Enterprises Ltd., Invoice #1544 Hole VA-9-13		
	Total:		$ 2,749.30
Transportation:	Apex Helicopters Ltd. August 5/79 6.6 hrs. @ $300.00/hr.	$ 1,980.00	
	Fuel: 6.6 hrs. @ $62,59/hr.	412.50	
			$ 2,392.50
			$ 5,141.80

Assessment Applied for: 1 year each for:

Group MA 609:	Val 19, 21, 69-82	$1,600.00	
Group MA 610:	Val 2, 63-68, 303-306, 315-318	$1,500.00	
Group MA 611:	Val 1, 3, 4, 59-62, 299-302, 311-314	$1,500.00	
		Total:	$ 4,600.00
		Balance:	$ 541.80

George Seaton

COST BREAKDOWNS (Cont....)

(f) General Work:

A. Labour:

Surveying:

Beatty	8 man days @ $50.56	$404.48	
Coleman	8 man days @ $60.64	$485.12	
Dale	7 man days @ $40.58	$284.06	
Berthelsen	1 man day @ $50.56	$ 50.56	
Sivertz	6 man days @ $84.62	$507.84	
Williamson	1 man day @ $40.58	$ 40.58	
Penner	4 man days @ $84.62	$338.48	
Harris	1 man day @ $50.56	$ 50.56	
			$ 2,161.68

Geology:

Duiven	2 man days @ $50.56	$101.12	
Dale	1 man day @ $40.58	$ 40.58	
Howe	3 man days @ $60.64	$181.92	
McGregor	2 man days @ $50.56	$101.12	
Williamson	1 man day @ $40.58	$ 40.58	
			$ 465.32

Geochemistry:

Dale	7 man days @ $40.58	$284.06	
Duiven	2 man days @ $50.56	$101.12	
McGregor	8 man days @ $50.56	$404.48	
Williamson	6 man days @ $40.58	$243.48	
Berthelsen	8 man days @ $50.56	$404.48	
	76		$ 1,437.62

B. Camp Costs (Based on Labour)

76 man days @ $35.00 per/man day $2,600.00

George Sivertz

C. Transportation:

Apex Helicopters 38.35 hrs. @ $300/hr.	$ 11,505.00
Fuel: $38.35 @ $52/hr.	$ 1,994.20

D. Geochem Costs (Vangeochem Labs Ltd.)

Invoice	5037	5 spl.	$ 16.25
Invoice	5215	161 spl.	$563.50
Invoice	5231	307 spl.	$1,074.50
Invoice	5236	9 spl.	$ 31.50
Invoice	5389	22 spl.	$ 253.50
Invoice	5390	1 spl.	$ 22.50

$ 1,993.25

Transport of samples:

505 spl. @ $0.50 per sample $ 252.50

Grand Total: $ 22,469.57

George Seward

COST BREAKDOWNS (Cont....)

(f) General Work (Cont...) b/f $ 22,469.57

Assessment Applied For: 2 years each for:

Val 190-204	$ 3,000.00
Val 225-246	$ 4,400.00
Val 267-294	$ 5,600.00
Val 145-162	$ 3,600.00
Val 181-189	$ 1,800.00
Val 223-224	$ 400.00
Val 248, 250, 252, 254, 256, 258	$ 1,200.00
260, 262, 264, 265, 266	$ 1,000.00
Total:	$21,000.00
Balance:	1,469.57

George Smith

(11) STATEMENT OF QUALIFICATIONS

I, GEORGE SIVERTZ, declare that:

1. I am a geologist residing at 3016 West 19th Avenue, Vancouver, British Columbia;

2. I received a B.Sc. Degree in geology (honours) from the University of British Columbia in 1976;

3. I have worked as a geologist seasonally since 1975 and have practised on a full time basis since May 1978;

4. I am a member of the C.I.M.;

5. I am the author of this report and personally performed or supervised the work described herein.

SWORN BEFORE ME at
this 21st day of April,
1980

Notary Public in and for
British Columbia

George Sivertz
George Sivertz

APPENDIX I

986-5211
ANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604 XXXXXXX
V7P 2S3

January 20, 1978

TO: Prism Resources Ltd.,
214 - 850 West Hastings Street,
Vancouver, B. C. V6C 1E1

FROM: Vangeochem Lab Ltd.,
1521 Pemberton Avenue,
North Vancouver, B. C. V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble Mo, Cu, Pb, Zn, Ag, and Cd in geochemical silt and soil samples.

1. Sample Preparation

(a) Geochemical soil or silt samples were received in the laboratory in wet-strength $3\frac{1}{2}$ x $6\frac{1}{2}$ Kraft paper bags.

(b) The wet samples were dried in a ventilated oven.

(c) The dried soil and silt samples were sifted by using a shaking machine with 80-mesh stainless steel sieves. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

2. Methods of Digestion

(a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.

(b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).

(c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Mo, Cu, Pb, Zn, Ag, and Cd analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamps. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

4. The analyses were supervised or determined by Mr. Conway Chun and the laboratory staff.

Eddie Tang

Eddie Tang
VANGEOCHEM LAB LTD.

ET:mb

VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604 986-5211
V7P 283

January 20, 1978

TO: Prism Resources Ltd.,
214 - 850 West Hastings Street,
Vancouver, B. C. V6C 1E1

FROM: Vangeochem Lab Ltd.,
1521 Pemberton Avenue,
North Vancouver, B. C. V7P 2S3

SUBJECT: Analytical procedure used to determine Aqua Regia soluble gold in geochemical samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4 x 6 Kraft paper bags.

(b) The wet samples were dried in a ventilated oven.

(c) The dried soil and silt samples were sifted by using a shaking machine using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(d) The dried rock samples were crushed and pulverized to 80-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

(a) 5.00 grams of the minus 80-mesh samples were used. Samples were weighed out by using a top-loading balance into beakers.

(b) 20 ml of Aqua Regia (3:1 HCl:HNO_3) were used to digest the samples over a hot plate vigorously.

(c) The digested samples were filtered and the washed pulps were discarded and the filtrate was reduced to about 5 ml.

(d) The Au complex ions were extracted into diisobutyl ketone and thiourea medium. (Anion exchange liquids "Aliquot 336").

(e) Separate funnels were used to separate the organic layer.

3. Method of Detection

The gold analyses were detected by using a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values in parts per billion were calculated by comparing them with a set of gold standards.

4. The analyses were supervised or determined by Mr. Conway Chun and his laboratory staff.

Eddie Tang

Eddie Tang
VANGEOCHEM LAB LTD.

ET:mb

DRILL HOLE LOG

LOCATION: ↓ LRZ

AZIM: 260° ELEV:

DIP: -45° LENGTH: 128

CORE SIZE: BQ

STARTED: Aug 1 night

COMPLETED: Aug 1 day

PURPOSE:

CORE RECOVERY: 57 %

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

HOLE No. VA-79-8

PAGE NO. 1

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
	40	Core ground from casing to -38'							
		20% grey dolo brx w/ white sparry dolo infilling							
40	40.5	brx with a brx with 5% Sp network brx	790079	40	50	10	5.61	2.82	8.75
40.5	43	and red-grey grey dolo brx		12.2	15.25	3.05			
43	62								
		Minz brx brx matrix white dolo							
			790075	50	60	10	1.74	1.61	20.22
		10% Gn . 20% Sp throughout matrix		15.25	18.3	3.05			
62	100		790076	60	70	10			
				18.3	21.35	3.05	1.12	1.95	3.78
		Minz dolo brx w/ 30% of minz grey							
		dolo @ 63-69', 67-68', 73.5-78							
		20% of Minz is 40% of matrix	077	70	80	10	0.87	1.41	2.53
		10% Gn . 25% Sp		21.35	24.4	3.05			

DRILL HOLE LOG

HOLE NO. VA-79-8 | PAGE NO. 2

LOCATION:

AZIM: ELEV:

DIP: LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
		In lower unit (~78-100') 10%.							
		So 3%, Gn, brz is more widely dis							
		w/ min Py	078	80	90	10	0.05	0.1	4.2
				~~30.5~~	~~33.55~~	3.05			
				24.4	27.45				
			079	90	100	10	0.36	0.42	0.93
				~~36.6~~	~~39.65~~	3.05			
				27.45	30.5				
100	128								
		Mass dkish grey solo							
		Abd [illegible]							
		becoming lo [illegible] brnze							
	bless								

DRILL HOLE LOG

LOCATION:	Little Red Zone
AZIM:	ELEV:
DIP:	Vertical — LENGTH: 148
	CORE SIZE: BQ
STARTED:	Aug 2 night
COMPLETED:	Aug 2 day
PURPOSE:	
CORE RECOVERY:	99%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

.E No.	VA-79-9
PAGE NO.	1
PROPERTY:	VAL
CLAIM NO:	
SECTION:	
LOGGED BY:	
DATE LOGGED:	
DRILLING CO:	
ASSAYED BY:	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
0	8	casing							
8	17								
		interbd thin-thick beds of fossil detrital w/ minor sandy g							
	b @ 45°	gry sand, some beds broadly broken zones							
17	25								
	b @ 40°	med lam, sandy, gy shale							
25	60								
		minor sandy gry shale w/ med lam of wht							
		shale (bcc is mostly) interbd w/ dk gry thn							
		lam calc beds @ 25-25.5' & 39-39.5'							
		minor shale stringers							
		b @ 10°	790361	61	62.5	1.5		1.92	2.89	20.58
60	62.5	fg lam gry shale w/ minor Sp in fracs		18.6	19.05				
62.5	62.5	Minor bcc 20% Sp w/ 70% sandy white shale							
		3% Gn in fracs							
62.5	113								
		sandy gry thn-med lam gry & dk gry shale							
		minor interbd silty & bcc							

LOCATION:

DRILL HOLE LOG

HOLE No. Va-79-9

PAGE NO. 2

AZIM:

ELEV:

DIP:

LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

	FOOTAGE		DESCRIPTION	SAMPLE NO.	FOOTAGE		LENGTH	ASSAYS
	FROM	TO			FROM	TO		
75			dip on ~~[illegible]~~ vary @ 68' bd 60°					
80			73 bd 50°					
			82 bd 10°					
85			@ 91' for 6" there is brx w/ 3% Gn.					
90			mnr veinlets & seams ∥ to bdg					
95								
100								
105								
110								
115	113	148						
			thk lam - med bd gry dolo					
120			w/ some dolo filled fract, mnr Py					
125								
130								
135		bd 45°						
140								
145								
150								

DRILL HOLE LOG

LOCATION: Little Rex Zone

HOLE No. VA-79-10 | PAGE NO. 1

AZIM: 305 | ELEV:

DIP: -45 | LENGTH: 108

CORE SIZE: BQ

STARTED: Aug 3 night

COMPLETED: day

PURPOSE:

CORE RECOVERY: 98

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS		
							Ag	Pb	Zn
0	10	CASING							
10	27.5	Fossil. f.-g. lam gry dolo interbd w/ thk bd sucr gr. gry dolo							
27.5	98	lam. sucr gry dolo. Interbd w/ blk, thn carb lam @ 37-38' mar Sd in fract @ 45' dole stringers + veinlets ⊥ to bdg @ 40°+ 10°. Fract lim stained + dole becoming more mass than lam below end of mine -CONTACT FRACT-							
98	83								
		Mine here between 98-58' 15% Sp. 2% Gn	790081	47'	57'	10'	0.52	0.45	8.05
		58-68 20% Sp 5% "		14.3	17.95	3.05			
		68-78 35% Sp							
		78-83 20% Sp 15% Gn	790082	57'	67'	10'	0.79	0.78	11.12
				17.95	20.40	3.05			
			790083	67'	77'	10'	0.76	0.26	18.36
				20.4	~~24.05~~	3.05			

LOCATION:

AZIM: ELEV:

DIP: LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DRILL [illegible] LE LOG

HOLE No. 10 V 15-89

PAGE NO. 2

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
		75°+/- core - very broken rock							
		highly alt zones @ 55'-56', 65.5-66, 68-69'							
		- sharp contact	790084	77'	84'	7'	1.96	0.66	16.51
83	10[illegible]			~~24.05~~	25.6	~~[illegible]~~			
				23.45		2.15			
		lam. dk grey - grey sltst/ dolo							
	bd 50°			Average					
				14.3	25.6	11.3			

DRILL HOLE LOG

LOCATION:	Little Red Zone
AZIM:	300
DIP:	-45
ELEV:	
LENGTH:	399 (120.12)
CORE SIZE:	BQ
STARTED:	
COMPLETED:	
PURPOSE:	
CORE RECOVERY:	99%

HOLE No. VA-79-11 | PAGE NO. 1

PROPERTY: VAL

CLAIM NO:
SECTION:
LOGGED BY:
DATE LOGGED:
DRILLING CO:
ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	14'	Casing					
14	62.5	Sugary light dolo. occ. [illegible] stks & bds. ± fg. occ. bds. Trace py in stringers. Core was broken 14 – 25'. Mac Py in grey zones. Sm vugs of Gn @ 57'. e GV (very vfg, flow) light brn-grn. - conf contact					
62.5	73.5	light grey dolo bxy w 20% white dolo infilling					
73.5	97.5	light grey dolo w/ dolo inclus & wisps / to bxy. Lgr. 25° Fract occ lin - conf					
97.5	104	grey light dolo bxy w/ 35% white zone Mac Py					
104	150.5						
	640	grey light dolo w/ occ. of bxy at top of unit					
		light brn-grn					
	690	[illegible] @ 60° & 20°					

DRILL HOLE LOG

I E No.	PAGE NO.
VA-78-11	2

LOCATION:

AZIM:

DIP:

STARTED:

COMPLETED:

PURPOSE:

ELEV:

LENGTH:

CORE SIZE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
150.5	170	[illegible]					
170	175						
175	191.5	[illegible]					
	b.a 25°						
191.5	193						
193	200						
200	204						
204	298						
	b.a 65°						
298	344						
	b.a 20°						

DRILL HOLE LOG

HOLE No.	VA-79-11
PAGE NO.	3

LOCATION:

AZIM:

DIP:

ELEV:

LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

	FOOTAGE		DESCRIPTION	SAMPLE NO.	FOOTAGE		LENGTH	ASSAYS
	FROM	TO			FROM	TO		
300								
310			inc. carb downhole core fairly frac.					
		bd 45°						
320								
330								
340								
	344	358						
			fossiliferous laminated gry dolo					
350								
		bd 45°						
360	358	362	v thin lam carb dolo , [illegible] most near base					
	362	368	fossil gy dolo secs 3' inc. brx					
370	368	376	brx no minz					
380			laminated brx , gry lam dolo					
		bd 50°						
390								
400								

DRILL HOLE LOG

LOCATION: L Le Roe Zone

HOLE No. VA-79 12

PAGE NO. 1

AZIM: 255

DIP: -55

ELEV:

LENGTH: 158' (48.17)

CORE SIZE: BQ

STARTED: Aug 4 night

COMPLETED: Aug 5 day

PURPOSE:

CORE RECOVERY: 99%

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	5	Casing					
5	25.5	mass. fg gy dole, sugghly brx numerous dole veins & stgrs. v. mor Cav rock in fract ; 5'					
25.5	82	- shear contact brx. Oxd - bedrock brx w/ 3% Cav @ 27-28' brx 75% white dole. - core is quite highly fract. Ang fract Py is lin staining Mas Py xtal in white dole - - mnr decrease in brecciation downhole					
82	122	- thinned lam gy-lgt gry dole w/ veins of brx @ 89-92' & 95-98' - no mnr fract Py staining rec'd. - core v. highly brkn @ 104-108'					
122		- basally core is basically bdrk interbd w gy-lgt gy lam beds. Fract Py still staining. Mas Py xtal within spaces above infilling. Lam dole thru downhole					
	b @ 55°						
	b @ 60						
	b @ 55						

DRILL HOLE LOG

LOCATION:	NKZ
AZIM:	090°
DIP:	-45
ELEV:	
LENGTH:	158'
CORE SIZE:	BQ
STARTED:	
COMPLETED:	
PURPOSE:	
CORE RECOVERY:	0 - 40', 30%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

.E No.	13
PAGE NO.	1
PROPERTY:	VAL
CLAIM NO:	
SECTION:	
LOGGED BY:	S.
DATE LOGGED:	12/9
DRILLING CO:	
ASSAYED BY:	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
Box	1						
-	28'	Grey dφ brxx. 25% white.					
28'	36'	A/A. Core recovery 35% Yellow earth f.f. at 32' (?)					
36	38	A/A. (0-28') 25% recovery					
38	40	~~100%~~ 50% recovery. Grey dol brxx. Thin coatings yellow earthy mat at 39'?					
40	48	100% recovery. 20% white dφ in brx. Stylolites common.					
48	54	Grey dol brxx. Greenish shaly (clayey) filling in irreg. fractures					
Box	2						
54'	58'	Bleached grey dφ. White cb not common. Stylolites intense at 56'					
58'	68'	Darker grey 59-63', graphite-coated fractures 63'-68'					
68	76.5	Bleached grey brx. Fine pg / graphite 0.5 cm fracto at 74.5' Incl. Box 3 74'-76.5'					

DRILL HOLE LOG

LOCATION: NKZ

HOLE No. VA 9-13

PAGE NO. 2

AZIM: ~~090°~~ 090°

DIP: -45°

ELEV:

LENGTH: 158'

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY: 40% 0 - 50' 95+ 50 - 158

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

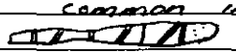
DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
Box	3						
		White dφ ~~brxx~~ interbedded with					
76.5'	95' →	black graphitic shale. Pyrite blebs and stringers common in shaly sections.  Py in white dφ - graphite v. ribbony. No py in white dφ. Py at 77', 79'-81', 88', 90'-93'.					
Box	4						
95	116'	Grey dφ brx, white dφ (replaced grey brx) and black shale sections.					
	95-98	Grey dφ brx, graphite blebs & stringers w/py.					
	98-108	Mostly grey dφ brxx, pretty well completely replaced 103-108' Not much carbon here					
	108-116	Grey dφ brxx to 113'. 1ST patch graphite-carbon at 110'. 111'-116' black shale. Not much py.					
Box	5						
116	140	Mostly completely replaced dφ brx Shaly at 116'-118', 137'-140'					
Box	6						
140'	158'	As box 5, 140-149'. Shaly at 141.5-142.5, py. 149'-158', black graphitic shale, a few mostly engulfed white clasts. Tectonic!					

DRILL HOLE LOG

LOCATION: Big Rco Zone

HOLE No. VA-79-15

PAGE NO. 1 of 1

AZIM: VERTICAL

DIP:

ELEV:

LENGTH: 88'

CORE SIZE: BQ

STARTED: Aug 8 (19--)

COMPLETED: Aug 8 (19--)

PURPOSE:

CORE RECOVERY: 100 %

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	6	Casing					
6	88	brx - reactive GF mat'l,) amt of subrnd sparry dolo, rust base, lts to grey dolo grey pieces.					
		Fract pl - mn, (lim) stained					
		No Mine					
		- core quite fract. throughout.					

DRILL HOLE LOG

LOCATION:	Big Red Zone
AZIM:	170
DIP:	-50
ELEV:	
LENGTH:	258'
CORE SIZE:	BQ
STARTED:	Aug 8
COMPLETED:	Aug 9
PURPOSE:	
CORE RECOVERY:	99

HOLE No. VA-79-16 | PAGE NO. 1

PROPERTY: Val

CLAIM NO:
SECTION:
LOGGED BY:
DATE LOGGED:
DRILLING CO:
ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
12	21	white sparry dolo, mass core ~ good -contact gradational							
27	32	mass grey dolo brx w/ 80% grey dolo, 20% sparry matrix -core rugged contact sharp							
32	38	Siliceous alt, Dk grey dolo brx between 34'-36'	790365	35	36	1	44.16	64.73	9.85
		80% Gn w/ 20% grey brxwork @ 37-37.5 85% Gn	366	36	38	2	26.04	37.53	13.07
38	51	w/ 15% grey brxwork, 1" seam Gn at end of unit	367	~~38~~ 43.6	~~39~~ 44.0	~~1.5~~ 1.0	45.63	31.02	6.38
		mass grey dolo brx w/ minor @ 39.5 - 40							
		90% Gn @ 41.5-43 30% Sp 10% Gn.	368	47	48	1	26.98	12.94	33.62
		3m units of Gn occur in some seams of this unit -contact 35°	369	51	56.5	5.5	20.26	18.08	33.18
51	78	Mineralization: -Upper 1' 90% Gn 20% Sp	370	56.5	61.5	5	4.76	7.42	45.55
		from 52-53 90% Sp w/ brx							
		seam 52 - 52.4', 53 - 56.5 60% Sp	371	61.5	68	6.5	35.4	21.82	46.6
		30% Gn w/ brx seam @ 55'-2", 55.5 -2", brxwork text, 56.5 - 64.5 - 75% Sp 30%							
		Gn w/ brx seam @ 57.5-58, 64.5 - 78	372	68	78	10	62.91	12.4	49.36
		85% Sp + brxwork text w/ 20% Gn. (Sp							

DRILL HOLE LOG

LOCATION:

AZIM: ELEV:

DIP: LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

HOLE No. VA-79-16 | PAGE NO. 2

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
		~95° CONTACT ~							
78	458		373	80	82	2	12.17	23.15	8.12
		Mass grey dense lcx w/ Minor sect? c							
		80.5 -2" of 20% Gn + bedrock test	374	84	85.5	1.5	13.74	24.03	10.37
		81-81.8" of 60% Gn " (80° CONTACT)							
		83.9" - 84 . 90% Gn " (55° CONTACT)							
		85 for 1" - 100% Gn	375	90.5	96	5.5	15.9	45.26	8.87
		91.9" - 92 - 100% Gn							
		92.5 - 94 - 85% " + bedrock test							
		99.4 - 99.6" - 60% Gn (50° CONTACT)	376	99	100	1	5.21	9.49	2.77
		96 1" of 80% Gn							
		96.5 -2" 80% Gn							
		96.2 - 2" 80% Gn		34	100	66	20.52	37.5	
		99.9" - 1" 100% Gn						15.31	
		~ more areas of Gn in an fast. throughout							
		rather part of unit							
		Pyrrhotite and Fresh Py							

DRILL HOLE LOG

_E No. Va-75-16

PAGE NO. 3

LOCATION:

AZIM:

ELEV:

DIP:

LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

	FOOTAGE		DESCRIPTION	SAMPLE NO.	FOOTAGE		LENGTH	ASSAYS					
	FROM	TO			FROM	TO							
150													
155													
160													
165													
170													
175													
180													
185													
190													
195													
200													
205													
210			C 211-213 - hole is less but still FRACT.										
215													
220													
225													

DRILL HOLE LOG

LOCATION:		HOLE No. VA-79-11	PAGE NO. 4
AZIM:	ELEV:	PROPERTY:	
DIP:	LENGTH: 258'		
	CORE SIZE:	CLAIM NO:	
STARTED:		SECTION:	
COMPLETED:		LOGGED BY:	
PURPOSE:		DATE LOGGED:	
		DRILLING CO:	
CORE RECOVERY:		ASSAYED BY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	ASSAYS Pb	ASSAYS Zn
225									
230									
235									
240									
245									
250									
255		258 END (HAD TO PUT SOME WRITINGS ON THIS PAGE!)							
260									
		Supplemental Assays							
			790451	38	43.[illegible]	5.[illegible]	.05	.07	2.82
			790452	44.[illegible]	47.[illegible]	3.0	.05	.21	1.47
			790453	48.[illegible]	51.0	3.0	.40	1.56	1.43
		5-10% Sp	790454	78	80	2.0	.92	1.39	11.11
			790455	82	84	2.0	.05	0.32	2.62
		10% Sp - good sect'n	790456	85.5	90.5	5.0	1.08	2.72	6.52
			790457	95.[illegible]	99	[illegible]3'	.05	.08	.48
			790458	100	108	8'	.05	.05	1.87

DRILL HOLE LOG

LOCATION:	Big Ed Zone	HOLE No.	VA-79-17
		PAGE NO.	1
AZIM:	265°	ELEV:	
DIP:	-50	LENGTH:	277'
		CORE SIZE:	BQ
STARTED:	Aug 9 (Day)		
COMPLETED:	Aug 10/79 (Day)		
PURPOSE:			
CORE RECOVERY:	100%		

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY:	VAL
CLAIM NO:	
SECTION:	
LOGGED BY:	
DATE LOGGED:	
DRILLING CO:	
ASSAYED BY:	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	20	0-20 Casing					
20	33						
		sparsy white dolo brx, core highly fract					
		lin stained from Pl, sharp contact					
33	39	very highly alt brn-blk sooty mins?					
39	160						
		grey & white sparsy dolo brx, core fairly					
		good but still quite fract, From Pl					
		lin stained					
		6" alt zone @ '79'					
		Mar Gou in white dolo @ 85.5'					

DRILL HOLE LOG

LOCATION:

AZIM: ELEV:

DIP: LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

HOLE No. VA-79-17

PAGE NO. 2

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
160	256						
		-gray, grn lam dolo lam thn-thk					
	b @ 90	-This unit is quite brn looking w/ numerous dolo veins + streaks, lam still apparent					
		-core fairly fresh w/ staining along fract pl.					
256	268	Mosaic, gy dolo + white sparry dolo brx					
268	277	carb blk, dk gy sltst w/ gray-dk gy lam dolo, siliceous brx at 268.					
	b @ 45°						

DRILL HOLE LOG

LOCATION: Big Red Zone

FILE No.: VA-79-18

PAGE NO.: 1

AZIM: 230°

DIP: -50°

ELEV:

LENGTH: 308'

CORE SIZE: BQ

STARTED: Angle (Evening)

COMPLETED: Angle (Noon)

PURPOSE:

CORE RECOVERY: ~100%

PROPERTY: Val

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
6	18	Casing							
18	44	- core highly broken. ∘ Mn² staining dolo brx. bits of galena at 38'							
44	57	- Aph org bnw dolo section 3% Cu. brx/vein xcts & fracture rimmed bottom before screened!) minor bits of galena 95-98'	790377	44	57	13	11.59	3.06	3.35
57	104.5	dolo - brx							
104.5	108	- Aph bnw org dolo brx stained between xcts.	790378	103	108	5	0.45	0.55	0.52
108	153	V Mn- ∞ of Cu present Sparse dolo brx (80% white dolo Mn staining alg Fract Pc							

DRILL HOLE LOG

LOCATION:	
AZIM:	ELEV:
DIP:	LENGTH:
	CORE SIZE:
STARTED:	
COMPLETED:	
PURPOSE:	
CORE RECOVERY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

DDH No.	VA-79-10
PAGE NO.	2
PROPERTY:	
CLAIM NO:	
SECTION:	
LOGGED BY:	
DATE LOGGED:	
DRILLING CO:	
ASSAYED BY:	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS Ag	Pb	Zn
153	154.5	Highly alt'd rock grown bxx sect" Minz 2·1.?	790379	153	154	1	0.57	0.31	0.66
154.5	244	bxx 70% grey dolo pieces. Ma alt'd frag pl., Abdn Sericite Sp. ; ; ; vuggy! small bits galena and sphalerite in fractures @ 246'							
244	258	v slightly alt bxx 65% white dolo. Min- erals of min @ 257 - 1", 253 - 2", Sp~3% 246 - 2" - Sp in frags							
258	308	white vuggy ! siliceous bxx with ; ; ; vuggy zone grey dolo bxx pieces. veins mac Sp veins @ 61' for 3"							

DRILL HOLE LOG

LOCATION:	Bia ea Zone	FILE No.	VA-79-19
AZIM:	-	ELEV:	
DIP:	vertical	LENGTH:	98'
		CORE SIZE:	BQ
STARTED:	Aug 11/79 Noon		
COMPLETED:	Aug 11/79 Night		
PURPOSE:			
CORE RECOVERY:	100 %		

PAGE NO. 1

PROPERTY: Val

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	6	0-6 casing					
6	8						
8	98	- core ~~grading~~. Mixed ~~ore~~ [illegible] broken, oxidized, some qtz, probably was mineralized.					
10							
20							
		Sltst, grey dol brn, no mins					
30		Fract sfc lim stained					
		mnr Py in white vein fract fill					
40							
50							
60							
70							
80							
90							
100							

DRILL HOLE LOG

LOCATION:	Val King Rea Zone
AZIM:	080°
DIP:	-45
ELEV:	
LENGTH:	328'
CORE SIZE:	BQ
STARTED:	Aug 12 (day)
COMPLETED:	Aug 12 (night)
PURPOSE:	
CORE RECOVERY:	100%

HOLE No.	PAGE NO.
VA-79-20	1

PROPERTY: Val

CLAIM NO:
SECTION:
LOGGED BY:
DATE LOGGED:
DRILLING CO:
ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS				
									Ag	Pb	Zn
7	34	- core v highly fract ± qz &									
	64 10°	- sl dk gry lam dolo bx w mac areas									
		of Sp in white dolo matrix (80% groundm)									
34	49.5	v fract dk gry sl ch dolo. Sheared									
	64 0-5°	mac Py w/ groundm, grades into a lighter gry									
49.5	73.5	grn dolo ~45° ∠									
		- sl ch gry dolo lam bx (60% gry dolo)									
		40% lam dolo @ 51-53, 55.5-58									
		- sheared contact 80° ∠									
73.5	78.8	Mod dk gry bx w/ blk bxwork text w/ 20% Sp 3% Gn.	790380	73.5	78.5	5			1.53	.75	7.93
78.5	111	(bx as above) - sharp contact	790384	78.5	102	23.5			0.42	0.08	1.66
		- sparse dol [illegible] @ 82'-3" (bxwork)									
		83'-4" " "									
		89-90.5' - 3% Gn, 10% Sp									
		(lge yellow bxwork)									
111	135	Mac areas of Sp asn fract Py - sharp contact									
		Mosaic bx intbd w/ dk gry carb blk bds ±									
		12" thk. carb bds show shrg & groundm alg									
		fine Py [illegible]. The bx appears to	At 137' is 1cm of bx cemented by galena.								
135	145	change type from small ang pieces to larger									
		the dk gry bds and also in bx pieces	This bx is an intraformational sedimentary bx.								
145	168	~ massive dolo Gn-1" & 35' (30%) Mac asn									
		fract Py.									

DRILL HOLE LOG

LOCATION:		HOLE No.	PAGE NO.
		29-20	2

AZIM: ELEV:
DIP: LENGTH:
CORE SIZE:
STARTED:
COMPLETED:
PURPOSE:
CORE RECOVERY:

PROPERTY:
CLAIM NO:
SECTION:
LOGGED BY:
DATE LOGGED:
DRILLING CO:
ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		dk gry-gy dol lam brx, occ white dolo infilling silty-very powder sliping slv Fract Pl. Nominal -trace contact					
168	174.5	occ-many gry dolo, still with staining and fract Pl.					
174.5	201	-gy dolo brx w/ occ areas of mass gry dolo, some of the white sug dolo is sugary					
201	215'						
	b & 10°	Med bdd sm zone gry dolo, unit becomes					
215'	231.5'	calc near bottom.					
		gy-dk gy (-white dolo infilling) brx					
231.5	266	occ-v fg mass gry dolo occ ands of Py in white dolo fract some lam sheen b & 45°					
266	328						
		mass gry dolo w/ occ areas of brx					
		the white sparry dolo is sugary in places w/ Py stks. Fract Pl still slightly					

DRILL HOLE LOG

LOCATION: Ridge Inc

AZIM: 065 ELEV:

DIP: -45 LENGTH: 117.8'

CORE SIZE: BQ

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY: 92.0%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

E No. VA-79-21

PAGE NO. 1

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS				
									Ag	Pb	Zn
0	7	Casing									
	bg 10°	gy dole w/ white dole filling bxx . core badly broken . No alg Frags Pb. -good coverage-									
27	52.5	gy. sucr, lam gy dole w/ dk gy coch bds @ 37.5 - 44', lam thn-med . sharp pl @ 10°// to bdg , core severely brk @ 39.5 - @ 35' Mar Spc 36.5 -coarse coverage									
52.5	81	-white spacey dole bxx , No alg frags Pb. incr in gy dole bxx towards downhole (massive bxx) -sharp contact									
81	83	- Heavily alt red brn zone . 2% visible Gn	790381	81	83	2			3.33	1.01	6.91
83	94	in bxx/vein text throughout -coarse coverage-									
94	117	-Severely alt spacey dole bxx . no good Min visible.									
		-white spacey dole bxx , F-grn Pb No sig Min , core frags but good									

DRILL HOLE LOG

VA-79-21 | 2

LOCATION:

AZIM: | ELEV:

DIP: | LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		·lgs in grey dolo bcy drumhole					
		- dk gy, gy, white dolo bcy. bcy pieces					
		rectangular, sm sparry dolo in fillings					
	178						

DRILL HOLE LOG

LE No. VA-79-22 | PAGE NO. 1

LOCATION: R. 600 Zone

AZIM: 345° | ELEV:

DIP: -45 | LENGTH: 188'

CORE SIZE: BQ

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY: 100%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS		Ag	Pb	Zn
0	6										
6	51	fractured fine grey-green-grey dolo									
	b&s 5-10'	vaguely ore in part core fairly									
		good Fract Pl recemented (Ma?)									
		small amt red sph @ 42' with white dolo.									
		- siliceous alt zone @ 49 - 51.5 in									
		brx zone?									
51	112										
		- sporadic vein brx zone with chunks in									
		grey dolo brx zones									
		Mn-Py in fract									
112	114	Minor white sparry dolo veins	790382	112	116	4			.62	.23	7.35
		112-114.5 - 15% Gn w/ 5% Sp, 114.5-115.8'	790383	114.5	115.5	1'	}	included	49.4	3.81	31.63
114	164	85% Gn w/ 15% Sp, last 6" 20% Sp									
		w 10% Gn. Some Tetrahedrite with galena a									
		1" massive. Stringers of red sph to 117'.									
		Mass grey dolo brx w/ 20% white dolo infilling									
		? Dec Gn + Sp as in 112ms.									
		120-134 has some very sparse red sphalerite									
		and galena in fractures									

DRILL HOLE LOG

LOCATION:

AZIM: ELEV:

DIP: LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

D. TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: VA-79-22 2

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
150							
		- grad contact -					
100							
164	138						
		- lam; thinned - gradation - dole - pole stars					
170							
	b & S°	- veins - parallel bed					
180							
190		Eva					

DRIL HOLE LOG

LOCATION:	Big Rg Zone
AZIM:	068°
DIP:	-45
ELEV:	
LENGTH:	200'
CORE SIZE:	BQ
STARTED:	
COMPLETED:	
PURPOSE:	
CORE RECOVERY:	93.7

HOLE No. -79-23

PAGE NO. 1

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		0-6 casing					
		brx 50% white dolo w/ 50% grey dolo					
		6'-53' - core highly broken					
		no visible mins, min calc veined @ 63'					
		- 1" @ 72'-3"					
96	124	grey lam dolo brx (75% grey dolo) no mins.					
124	154	grey, massive dolo, slightly brx					
	b.q 30°						
154	199						

DRILL HOLE LOG

LOCATION:		DDLE No. UA-79-23	PAGE NO. 2
AZIM:	ELEV:	PROPERTY:	
DIP:	LENGTH:		
	CORE SIZE:	CLAIM NO:	
STARTED:		SECTION:	
COMPLETED:		LOGGED BY:	
PURPOSE:		DATE LOGGED:	
		DRILLING CO:	
CORE RECOVERY:		ASSAYED BY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
		gy/dk gy/white dolo brx (no limite dolo infilling					
		160-177 is the brx with larger pieces also noted in holes 20 and 21					
188	200 bg 65°	gy, gy, dk gy lam dolo, lam thinned.					

150
160
170
180
190
200

LOCATION: 327

DRILL HOLE LOG

HOLE No. 79-24 | PAGE NO. 1

AZIM: 0 | ELEV: -

DIP: -45 | LENGTH: 148'

CORE SIZE: BQ

STARTED: [illegible] (20m)

COMPLETED: [illegible] (20m)

PURPOSE:

CORE RECOVERY: 97%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	4	casing					
4	39	Silty gy lam brx (60% gy lam 40% wht sparry dolo)					
		- core v highly fract & fractures often filled w/ gy dolomitic silt. Most fract PL 510'					
		stained FeOx and Graphitic ALG some fract PL					
39	86.5						
		v-f wht dolo brx (95% white dolo 5% gy brx) Sil ALG fract PL Mod Py sul					
		- core good					
		- contact broken					
86.5	105						
		lam gy dolo brx (80% gy dolo, 20% white dolo)					
		The lam dolo is dk gy - lgt gy dolo 117.50					
		- grad contact -					
105	118.5						
	b@10'	Mod. silty lam gy dolo, sl shattered brx					
		- core broken fract moving iron ALG fract					
118.5	128.5						
		fg gy dolo brx (80% gy dolo) core good, Mn-Py,					
128	144	Sil ALG fract PL - sharp contact					
		vfg, dk gy calc silty dolo Abdt Py					
		Mod thinly bed Mn-Sil in dolo filled units					
144	148	core fair broken - sharp contact					
		Mod. silty gy dolo brx (70% gy dolo)					

148 End

DRILL HOLE LOG

LOCATION:	B Rea	HOLE No.	PAGE NO.
AZIM:	070°	ELEV:	
DIP:	-45°	LENGTH:	151'
		CORE SIZE:	BQ
STARTED:	Aug 14 (noon)		
COMPLETED:	Aug 16 (night)		
PURPOSE:			
CORE RECOVERY:	100%		

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY: Lac

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	8	0-8 CASING					
8	15.5	gy lam dolo brx (80% gy lam brx), core fair-good					
15.5	75	-strong recovery					
		wht vnv dolo brx, Fract Py 5/0' stained between 38-45, several 2mm thk Py seams					
		-v.v.v. gy silt gy 458' sharp contact					
		-grad contact					
75	91.5						
		[illegible] brx (85% gy dolo)					
		[illegible]					
91.5	118.5	[illegible]					
		vfg dk gy mass dolo, sparse Py diss throughout very few dolo veins					
118.5	149.5	dk-gy/l gy vnv brx (15% wh vnv dolo infilling					
		-sharp contact					
149.5	151	vfg dk gy mas. dolo, sparse thin Py seams few dolo veins, Py					

DRILL HOLE LOG

LOCATION:	
AZIM:	ELEV:
DIP:	LENGTH:
	CORE SIZE:
STARTED:	
COMPLETED:	
PURPOSE:	
CORE RECOVERY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

HOLE No.	A-79-25
PAGE NO.	2
PROPERTY:	
CLAIM NO:	
SECTION:	
LOGGED BY:	
DATE LOGGED:	
DRILLING CO:	
ASSAYED BY:	

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
151	161.5	[illegible]					
161.5	178	[illegible]					
		[illegible]					
		[illegible]					

DRILL HOLE LOG

LOCATION: Big Red Zone

AZIM: 010 ELEV:

DIP: -45 LENGTH: 88'

CORE SIZE: BQ

STARTED: Aug 16 night

COMPLETED: Aug 17 night

PURPOSE:

CORE RECOVERY: 90%

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

LE No. LA-79-21

PAGE NO. 1

PROPERTY: VAL

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
0	8	casing					
8	15	-gy lam dol brx (10% wh lt dol) - core highly broken -grad contact					
15	61.5	-[illegible] - core brx, 15% gy dol brx -core is grey. Frac fill stained					
		-grad contact.					
61.5	82	-[illegible] gy dol, sl silty, sl chloritic brx Frac fill and joints stained					
82	88	-gy dol brx w 5% dol wh lt filling channel + fracs, few fresh carbonaceous					

DRILL HOLE LOG

LOCATION:	SHZ
AZIM:	310°
DIP:	-60
ELEV:	
LENGTH:	272'
CORE SIZE:	BQ
STARTED:	
COMPLETED:	
PURPOSE:	
CORE RECOVERY:	

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

H E No. VA-9-37

PAGE NO. 1

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
Box 1							
5	37'	From 5-65', thin-lam. grey dd.					
Box 2		Bedding 60° ∠ except at					
37'	60'	50', 11° ∠ to 51' (crumple at					
		50') 10% white dd as lam.					
Box 3		and small x-cuts.					
60'	82'						
	65'-82'	Transition zone to oncolites, ~~disturbed~~ disturbed zone. Recent					
		fracture area at 71'-73'.					
	80-82	Blebby, vuggy, crenulated grey dd					
		and white dd.					
Box 4							
82'	104'	Grey dd, mainly.					
	82'-86'	Stylolites, varying dark/light lam.					
		Bd grn 45° ∠.					
	86'-96'	Thin-lam. Bd 60° ∠ (90')					
		35° ∠ (93') 45° ∠ (96')					
	96-101	96'-97.5' Transition to shale					
		with syn. py. and carb. mud.					
		(97.5'-101'.) Bd 45°-50° ∠.					
	101-104	Thin lam. grey dd. A few dd					
		veinlets, 1 vug.					

DRILL HOLE LOG

LOCATION: SMZ

AZIM: 310° ELEV:

DIP: -60 LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

HOLE No. VA-9-37 PAGE NO. 2

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION
Box	5	
104	127	
	104-116	Semi-oncolitic. Wavy, "seaweed" texture. Dark, non-laminated lime mud in between oncolitic intervals
	116-124	Thin-lam. Bd. regular 60° ∠.
	124-127	Oncolite section. Thin, patchy lime-mud intervals
Box	6	
127	151	
	127-138	Oncolites.
	138-144	Dark lime mud. Poorly laminated.
	~~144-158~~ 144-158	Oncolites.
Box	7	
151	175	Oncolites Grey lime mud going to thin-lam 158-175.
Box	8	
175	198'	Grey lime mud except oncolites 186-190. Oncolitic sections are associated & with massive, fgn, dark lime mudstone.

SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS

DRILL HOLE LOG

LOCATION: SHZ

AZIM: 310° ELEV:

DIP: -45° LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

HOLE No. VA-9-37 PAGE NO. 3

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS	Ag	Pb	Zn
Box	9									
198	219	198-210 mostly dark mud. 210-219 browning laminated, lighter in color overall.								
Box	10		790400	220	234	14' (4.27)		0.41	0.55	0.62
219	242	Mineralisation ~~228'-234'~~ 234-236'	790399							
		228'-232' Bleached dk brn. Rest of box thin-lam. Intersection mainly ~~sf~~, w/ ja.		234	236	2' (0.61)		1.13	.86	5.92
Box	11	Thin-laminated grey dolomite.								
Box	12	Fine white dg fractures common. Oncolites last 2' of core.								
242	272 (?)									

DRILL HOLE LOG

LOCATION: VAL AV area

AZIM: 145° ELEV:

DIP: -45 LENGTH: 358'

CORE SIZE: BQ

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

_E No. VA-9-39 | PAGE NO. 1

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
Box 1							
8 -	31	Healed box of tld with 20% white cs gr dfg. little or no py. clasts fresh, up to 5cm x 2cm, rotated.					
Box 2							
31	55	As Box 1, except Green brxx of partially-bleached grey clasts to 1cm in grey matrix, 50-52'					
Box 3							
55'	78.	As Box 1, 2. Replacement textures 67'-71', incl. brxx reversal - white clasts w/grey f.gr matrix. Bd very low & of 5° to HC.					
Box 4							
78'	102'	Grey-clast brxx. Contrast between clasts (dk) and filling (fresh white) v. striking. White dfg 82'-87'.					
Box 5							
102'	124'	As bx 1-4. 118-120' grey f.gr. "crushed" brxx w/ graphitic stringers. Bd ⊥ HC core: some clasts broken but not rotated.					
Box 6							
124'	148.	"Crushed" text 124-125,					

LOCATION: Val AV

DRILL HOLE LOG

HOLE No. VA-9-39 | PAGE NO. 2

AZIM: | ELEV:

DIP: | LENGTH:

CORE SIZE:

STARTED:

COMPLETED:

PURPOSE:

CORE RECOVERY:

DIP TEST

FOOTAGE	READING	CORRECT	FOOTAGE	READING	CORRECT

PROPERTY:

CLAIM NO:

SECTION:

LOGGED BY:

DATE LOGGED:

DRILLING CO:

ASSAYED BY:

FOOTAGE FROM	FOOTAGE TO	DESCRIPTION	SAMPLE NO.	FOOTAGE FROM	FOOTAGE TO	LENGTH	ASSAYS
Box 7							
148	172	158-162 not brxx. Bd 30° ∠.					
		162-165 graphitic limy shl.					
		168-172 bleached.					
Box 8							
172	195.5	172-178 bleached brx.					
		178½-179½ black shl.					
		184-185. " "					
		192-195½ bleached, nearly 100% replaced brxx grey dφ.					
Box 9							
195.5	218	Mottled text. part. replaced grey brx, intervals graph. shl to 3cm φ. Ragged bdry's on "clasts" - look more like augens.					
Box 10							
218	241	Mottled text as Bx 9 to 228'. 228'-248'- faded grey-white "ghost" brx. 248'-259' Darker grey brx. w/ shl at 253' (1") and 257.5 to 259.5'. 260'-273 white dφ. 273-275 shl matrix brx. 275'-313'- white dφ graying down hole. Shaly 313'-314'. 314'-358' Grey brxx and some laminated. Bd no° d at					
Box 11							
241	267						
Box 12							
267	289						
Box 13							
289	313						
Box 14							
313	336.5						
Box 15							
336.5	358						

HANGER #3 NORTH BATTLEFORD AIRPORT
NORTH BATTLEFORD, SASK.
(ACCT. OFFICE - 477 LEON AVE., KELOWNA, B.C. V1Y 6J4)
PHONE 604 - 763-4238

CHARTERER PRISM RESOURCES.

ADDRESS _____ ORDER NO. _____

REGISTRATION	BASE	PROJECT	PILOT	ENGINEER
C-GIPX	KATHLEEN LAKE.		NISHIMURA	
DATE	WEATHER	FUEL SUPPLIED BY		SPECIALTY
SEPT 18 /79.		CARRIER ☐ CHARTERER ☑		

PROJECT TIME BROUGHT FWD			JOURNEY	PASSENGERS		CARGO
UP	DOWN	TOTAL HRS.		NAME	NO.	
SEPT 1		6.7	VAL 0.2 VAL DRILL 1.0 VERA DRILL 4.2 BLUE LIGHT 1.2 REG 0.1			
SEPT 2		6.7	VAL DRILL 2.3 VERA DRILL 3.0 BLUE LIGHT 0.5 BLUE LIGHT DRILL 0.5 REG 0.4			
SEPT 3		6.2	VAL 0.2 VAL DRILL 0.4 VERA 1.1 VERA DRILL 0.9 BLUE LIGHT 1.0 BLUE LIGHT DRILL 2.2 REG 0.4			
SEPT 4		10.2	VERA DRILL 0.7 BLUE LIGHT 0.2 BLUE LIGHT DRILL 7.1 REG 2.2			
SEPT 5		12.3	VAL 0.4 VERA 0.4 VERA DRILL 4.2 BLUE LIGHT 0.4 BLUE LIGHT DRILL 6.2 REG 0.7			
SEPT 6		10.0	VAL 0.8 VERA DRILL 4.4 BLUE LIGHT DRILL 1.9 REG 0.5 ZAP 2.2 CAMP 0.2			
SEPT 7		7.8	VAL 4.3 VERA 1.9 BLUE LIGHT DRILL 1.2 REG 0.4			
SEPT 8		7.3	VERA 0.8 BLUE LIGHT 0.4 BLUE LIGHT DRILL 4.7 UND 1.2			
SEPT 9		6.2	VAL 1.3 VERA 1.7 REG 1.4 UND 1.8			
SEPT 10		2.0	VAL 0.3 VERA 0.5 REG 0.4 UND 0.1 DEE 0.7			
SEPT 11		4.0	VAL 0.6 VERA 0.9 BLUE LIGHT 0.6 REG 0.6 ZAP 0.1 UND 0.1 DEE 1.1			
SEPT 12		3.5	BLUE LIGHT 0.4 REG 1.2 ZAP 1.9			
SEPT 13		0.9	REG 0.9.			
SEPT 14		1.2	BLUE LIGHT 0.3 ZAP 0.5 CAMP 0.4			
SEPT 16		0.6	KATHLEEN LAKE — MAYO.			
SEPT 17		0.4	MAYO — DUNCAN CREEK — MAYO			
SEPT 18		5.0	MAYO — KATHLEEN LAKE LOCAL — MAYO — WHITE HORSE.			REG 1.9
TOTAL TIME AIRFRAME				VAL 8.1 hrs		
TOTAL TIME ENGINE				VAL DRILL 3.7 hrs.		

DAILY TOTAL 91.0 AT 300.00

PROJECT TOTAL AT

AMOUNT 27,300.00

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE
	Brad Lemon	A. Nishimura

THIS IS YOUR INVOICE

№ 2120 A

AREA HELICOPTERS LTD.

HANGER #3 NORTH BATTLEFORD AIRPORT
NORTH BATTLEFORD, SASK.
(ACCT OFFICE · 477 LEON AVE., KELOWNA, B.C. V1Y 6J4)
PHONE 604 · 763-4235

CHARTERER PRISM RESOURCES

ADDRESS 601 - 409 GRANVILLE ST.
VANCOUVER B.C V6C 1T2 ORDER NO.

REGISTRATION	BASE	PROJECT	PILOT	ENGINEER
C-GIPX	KATHLEEN LAKE		NISHIMURA	KUSEMBO
DATE	WEATHER	FUEL SUPPLIED BY		SPECIALTY
JULY 24/79		CARRIER ..... CHARTERER ..... ✓		

PROJECT TIME BROUGHT FWD UP	DOWN	TOTAL HRS.	JOURNEY	PASSENGERS NAME	NO.	CARGO
JULY 11		5.8	ZAP 0.8, VAL 0.3, VERA 0.4, VERA DRILL 2.3, DEE 0.6, DEE DRILL 1.4			
JULY 12		7.3	ZAP 0.4, VERA DRILL 2.8, DEE DRILL 4.1			
JULY 13		6.1	ZAP 0.3, VAL 0.2, VERA 0.4, VERA DRILL 1.5, DEE 0.2, DEE DRILL 3.5			
JULY 14		5.6	VAL 0.2, VERA 0.5, VERA DRILL 1.8, DEE 0.2, DEE DRILL 2.3, REG 0.6			
JULY 15		9.0	ZAP 0.8, VERA 0.5, VERA DRILL 1.6, DEE 0.5, DEE DRILL 4.7, REG 0.9			
JULY 16		6.7	ZAP ~~0.6~~ 0.3, VAL 0.8, VERA 1.2, VERA DRILL 2.2, DEE 0.6, DEE DRILL 1.3, REG 0.3			
JULY 17		5.8	ZAP 0.7, VERA 0.4, VERA DRILL 2.0, DEE DRILL 1.4, REG 1.3			
JULY 18		6.4	VERA 0.8, VERA DRILL 1.1, DEE DRILL 4.5			
JULY 19		6.9	ZAP 0.4, VAL 0.3, VERA 1.1, VERA DRILL 1.8, DEE DRILL 2.0, REG 1.3			
JULY 20		7.1	CAROL 1.0, VAL 0.6, VERA 0.8, VERA DRILL 2.7, DEE DRILL 0.7, REG 1.			
JULY 21		9.6	CAROL 0.4, VAL 0.3, VERA 0.6, VERA DRILL 1.6, DEE DRILL 6.5, REG 0.2			
JULY 22		4.8	CAROL 0.4, VAL 0.6, VERA 0.9, VERA DRILL 0.9, REG 2.0			
JULY 23		6.1	CAROL 0.4, VAL 1.5, VERA DRILL 2.3, DEE DRILL 0.4, REG 1.5			
	VAL	(to July 19)	1.8 hrs			
		(after " ")	2.4 hrs FLIGHT CHARGES			$26,160.00
TOTAL TIME AIRFRAME						
TOTAL TIME ENGINE						

DAILY TOTAL 87.2 AT 300.00/HR AMOUNT $26,160.00
PROJECT TOTAL AT

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE
	George Smith	J. Nishimura

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№ 2115 A

ATAC

HANGER #3 NORTH BATTLEFORD AIRPORT
NORTH BATTLEFORD, SASK.
(ACCT OFFICE - 477 LEON AVE., KELOWNA, B.C. V1Y 6J4)
PHONE 604 - 763-4235

CHARTERER PRISM RESOURCES

ADDRESS

ORDER NO.

REGISTRATION	BASE	PROJECT	PILOT	ENGINEER
C-GIPA	KATHLEEN LAKE		NISHIMURA	
DATE	**WEATHER**	**FUEL SUPPLIED BY**		**SPECIALTY**
AUG 10 '94		CARRIER CHARTERER		

PROJECT TIME BROUGHT FWD UP	DOWN	TOTAL HRS.	JOURNEY	PASSENGERS NAME	NO.	CARGO
AUG 1		8.5	CAROL 0.7 VAL 0.8	VAL DRILL 5.6 VERA 0.4 REG 0.8 BLUE LIGHT 0.2		
AUG 2		6.1	CAROL 0.7 VAL 1.9	VAL DRILL 1.6 REG 1.9		
AUG 3		6.9	CAROL 0.5 VAL 2.1	VAL DRILL 2.7 VERA 1.1 REG 0.5		
AUG 4		5.9	CAROL 0.6 VAL 0.8	VAL DRILL 1.7 VERA 0.3 REG 1.7 BLUE LIGHT 0.6		
AUG 5		9.3	ZAP 0.2 VAL 1.3	VAL DRILL 6.6 VERA 0.4 BLUE LIGHT 0.8		
AUG 6		7.5	VAL 1.4 VAL DRILL 4.5	VERA 0.7 BLUE LIGHT 0.7		
AUG 7		5.1	VAL 1.7 VAL DRILL 1.2	VERA 0.7 BLUE LIGHT 0.4	UNID 1.6	
AUG 8		4.5	VAL 0.3 VAL DRILL 1.8	VERA 0.6 REG 0.4 BLUE LIGHT 1.4		
AUG 9		6.9	VAL 1.3 VAL DRILL 1.3	VERA 1.1 REG 1.5 BLUE LIGHT 1.4		
AUG 10		8.3	VAL 2.1 VAL DRILL 3.4	VERA 0.3 REG 1.8 CAROL 0.6 BLUE LIGHT 0.1		
			VAL	13.7 hrs		
			VAL DRILL	30.4 hrs		
				Flight Charges		20,790 ⁰⁰
TOTAL TIME AIRFRAME						
TOTAL TIME ENGINE						

DAILY TOTAL 69.3 Hrs AT $300.00/Hr. AMOUNT $ 20,790.00

PROJECT TOTAL AT

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE

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№ 2117 A

ATAC MEMBER

AREA HELICOPTERS LTD.

HANGER #3 NORTH BATTLEFORD AIRPORT
NORTH BATTLEFORD, SASK.
(ACCT. OFFICE - 477 LEON AVE., KELOWNA, B.C. V1Y 6J4)
PHONE 604 - 763-4235

CHARTERER PRISM RESOURCES.

ADDRESS 601-409 GRANVILLE ST.
VANCOUVER B.C V6C 1T2 ORDER NO.

REGISTRATION	BASE	PROJECT	PILOT	ENGINEER
C-GIPX	KATHLEEN LAKE.		NISHIMURA	

DATE	WEATHER	FUEL SUPPLIED BY	SPECIALTY
AUG 1 /79		CARRIER ☐ CHARTERER ☑	

PROJECT TIME BROUGHT FWD			JOURNEY	PASSENGERS		CARGO
UP	DOWN	TOTAL HRS.		NAME	NO.	
JULY 25		2.0	CAROL 0.2 VAL 0.4	VERA DRILL 0.9 REG 0.5		
JULY 26		8.8	CAROL 0.4 VAL 0.7	VAL DRILL 4.6 VERA DRILL 1.3	REG 1.8	
JULY 27		7.1	VAL 2.9 VAL DRILL 1.7	REG 2.5		
JULY 28		8.5	VAL 2.0 VAL DRILL 4.5	REG 2.0		
JULY 29		6.2	VAL 1.1 VAL DRILL 2.9	VERA 0.5 REG 1.7		
JULY 30		7.6	VAL 2.6 VAL DRILL 2.7	REG 1.0 BLUE LIGHT	1.3	
JULY 31		8.1	VAL 0.7 VAL DRILL 2.5	REG 1.7 BLUE LIGHT	3.2	
			VAL	10.4 hrs.		
			VAL DRILL	18.9 hrs.		
				Flight Charges		14,490 00

TOTAL TIME AIRFRAME	
TOTAL TIME ENGINE	

DAILY TOTAL 48.3 Hours AT $300 00/HR.
PROJECT TOTAL AT

AMOUNT $ 14,490 00

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE
	George Smith	H. Nishimura

THIS IS YOUR INVOICE № 2116 A

ATAC MEMBER

APEX HELICOPTERS LTD.

HANGER #3 NORTH BATTLEFORD AIRPORT
NORTH BATTLEFORD, SASK.
(ACCT OFFICE - 477 LEON AVE., KELOWNA, B.C. V1Y 6J4)
PHONE 604 - 763-4235

CHARTERER PRISM RESOURCES.

ADDRESS

ORDER NO.

REGISTRATION	BASE	PROJECT	PILOT	ENGINEER
C-GIIX	KATHLEEN LAKE		NISHIMURA	

DATE	WEATHER	FUEL SUPPLIED BY	SPECIALTY
AUG 23/79		CARRIER ..... ☐ CHARTERER ..... ☑	

PROJECT TIME BROUGHT FWD UP	DOWN	TOTAL HRS.	JOURNEY	PASSENGERS NAME	NO.	CARGO
AUG 11		3.3	CAROL 0.1 VAL 1.0	VAL DRILL 1.7 REG 0.5 BLUE LIGHT		0.2
AUG 12		7.8	CAROL 0.8 VAL 1.4	VAL DRILL 3.0 REG 1.7 BLUE LIGHT		0.4
AUG 13		7.0	VAL 2.2 VAL DRILL	1.5 REG 2.5 BLUE LIGHT 0.8		
AUG 14		7.8	VAL 1.7 VAL DRILL	2.1 REG 3.2 BLUE LIGHT 0.8		
AUG 15		6.3	VAL 1.4 VAL DRILL	1.2 REG 3.7		
AUG 16		6.7	VAL 3.1 VAL DRILL	1.5 REG 2.1		
AUG 17		5.7	VAL 1.2 VAL DRILL	0.8 REG 3.7		
AUG 18		5.3	VAL 0.6 VAL DRILL	3.5 REG 1.2		
AUG 19		8.1	VAL 1.6 VAL DRILL	4.4 REG 1.5 BLUE LIGHT	0.6	
AUG 20		6.8	VAL 1.2 VAL DRILL	0.8 REG 2.7 BLUE LIGHT	0.8 UND 1.3	
AUG 21		7.7	VAL 0.7 VAL DRILL	2.3 VERA 1.5 REG 2.2 BLUE LIGHT	1.0	
AUG 22		8.5	ZAP 0.4 VAL 0.6	VAL DRILL 3.7 VERA 0.5 REG	0.9 BLUE LIGHT 0.4 UND 1.5	
			VAL	16.7 hrs.		
			VAL DRILL	26.5 hrs.		
				FLIGHT CHARGES		24,360.00
TOTAL TIME AIRFRAME						
TOTAL TIME ENGINE						

DAILY TOTAL 81.2 AT 300.00/HR
PROJECT TOTAL AT

AMOUNT $24,360.00

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE
	Donald Dennick	J. Nishimura

THIS IS YOUR INVOICE

№ 2118 A

ATAC MEMBER

HANGER #3 NORTH BATTLEFORD AIRPORT
NORTH BATTLEFORD, SASK.
(ACCT. OFFICE - 477 LEON AVE., KELOWNA, B.C. V1Y 6J4)
PHONE 604 - 763-4235

RECEIVED
OCT 9 1979

CHARTERER PRISM RESOURCES

ADDRESS

ORDER NO.

REGISTRATION	BASE	PROJECT	PILOT	ENGINEER
C-GIIX	KATHLEEN LAKE		NISHIMURA	
DATE	**WEATHER**	**FUEL SUPPLIED BY**		**SPECIALTY**
SEPT 7/79		CARRIER ☐ CHARTERER ☑		

PROJECT TIME BROUGHT FWD			JOURNEY	PASSENGERS		CARGO
UP	DOWN	TOTAL HRS.		NAME	NO.	
AUG 23		10.9	VAL 0.6 VAL DRILL 1.0	VERA 0.4 VERA DRILL 7.6	REG 0.5	BLUE LIGHT 0.8
AUG 24		8.2	VAL DRILL 2.0 VERA 0.5	VERA DRILL 4.2	REG 1.3	UNI 0.2
AUG 25		7.2	VAL 0.9 VAL DRILL 1.1	VERA 1.2 VERA DRILL 1.5	REG 2.0	BLUE LIGHT 0.5
AUG 26		9.2	VAL 0.9 VAL DRILL 3.1	VERA 0.4 VERA DRILL 3.4	REG 0.8	BLUE LIGHT 0.4
AUG 27		4.2	VAL 0.5 VAL DRILL 1.1	VERA 0.5 VERA DRILL 1.6	REG 0.5	
AUG 28		9.2	CAROL 0.2 VAL DRILL 4.6	VERA 0.2 VERA DRILL 2.0	REG 1.8	BLUE LIGHT 0.4
AUG 29		7.0	VAL DRILL 1.5 VERA DRILL 3.6	REG 1.7	BLUE LIGHT 0.2	
AUG 30		8.1	VAL DRILL 5.0 VERA DRILL 1.9	REG 1.2		
AUG 31		6.1	VAL DRILL 2.5 VAL 0.8	VERA 0.6 VERA DRILL 1.8	REG 0.3	BLUE LIGHT 0.1
			VAL	3.7 hrs.		
			VAL DRILL	21.9 hrs		
TOTAL TIME AIRFRAME						
TOTAL TIME ENGINE						

DAILY TOTAL 70.1 AT 300.00

PROJECT TOTAL AT

AMOUNT 21,030.00

REQUISITIONED BY	CUSTOMER SIGNATURE	PILOT SIGNATURE
	David Dennis	A. Nishimura

THIS IS YOUR INVOICE

№ 2119 A

D.W. COATES ENTERPRISES LTD.

2560 A Simpson Road,
Richmond, B.C. V6X 2P9

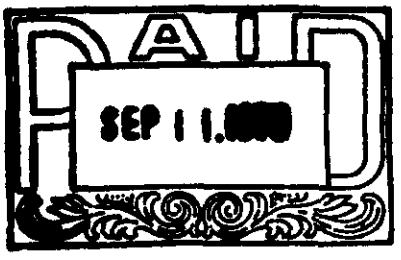
INVOICE NO.: 1544
JOB NO.: 359
DATE: Aug 23/79

Prism Resources Ltd.
601 - 409 Granville St.
Vancouver, B. C.

E: Kathleen Lake, Yukon Drilling

ERIOD: August 1 - 14, 1979

	VAL	
Drilling Detail - BBS#1	$47,119.25	$47,119.25
Water Supply	297.00	297.00
Moving Between Holes	4,290.00	4,290.00
Reaming Casing & Hole Stabilizing	97.20	97.20
Standby Time	377.75	377.75
	$52,181.20	$52,181.20



Holes 6,7	8-12	13	14-17	18-23
$2,304.05	$11,439.60	$2,254.20	$12,731.40	$18,390.00
49.50	82.50	49.50	24.75	90.75
511.50	825.00	396.00	1,047.75	1,509.75
71.90	25.30		195.00	182.75
$2,936.95	$12,371.40	$2,699.70	$13,998.90	$20,173.25
49.60	248.00	49.60	198.40	297.60
$2,986.55	$12,619.40	$2,749.30	$14,197.30	$20,470.85

Drilling Detail

Hole#	Size	From	To	Footage	Rate	Amount
VA-79-6	BQ	536	567	31	$15.05	$ 466.55
VA-79-7	BQ	0	25	25	15.30	382.50
VA-79-7	BQ	25	26	1	16.80	16.80
VA-79-7	BQ	26	128	102	14.10	1438.20
VA-79-8	BQ	0	8	8	15.30	122.40
VA-79-8	BQ	8	148	140	14.10	1974.00
VA-79-9	BQ	0	10	10	15.30	153.00
VA-79-9	BQ	10	108	98	14.10	1381.80
VA-79-11	BQ	0	12	12	15.30	183.60
VA-79-11	BQ	12	394	382	14.10	5386.20
VA-79-12	BQ	0	9	9	15.30	137.70
VA-79-12	BQ	9	158	149	14.10	2100.90
VA-79-13	BQ	0	22	22	15.30	336.60
VA-79-13	BQ	2	158	136	14.10	1917.60
VA-79-14	BQ	0	20	20	15.30	306.00
VA-79-14	BQ	20	275	255	14.10	3595.50
VA-79-15	BQ	0	6	6	15.30	91.80
VA-79-15	BQ	6	88	82	14.10	1156.20
VA-79-16	BQ	0	12	12	15.30	183.60
VA-79-16	BQ	12	258	246	14.10	3468.60
VA-79-17	BQ	0	20	20	15.30	306.00
VA-79-17	BQ	20	277	257	14.10	3623.70
VA-79-18	BQ	0	18	18	15.30	275.40
VA-79-18	BQ	18	308	290	14.10	4089.00
VA-79-19	BQ	0	6	6	15.50	91.80
VA-79-19	BQ	6	98	92	14.10	1297.20
VA-79-20	BQ	0	7	7	15.30	107.10
VA-79-20	BQ	7	328	321	14.10	4526.10
VA-79-21	BQ	0	7	7	15.30	107.10
VA-79-21	BQ	7	178	171	14.10	2411.10
VA-79-22	BQ	0	6	6	15.30	91.80
VA-79-22	BQ	6	188	182	14.10	2566.20
VA-79-23	BQ	0	6	6	15.30	91.80
VA-79-23	BQ	6	200	194	14.10	2735.40
				3323		$47,119.25

Holes 6, 7 : $2304.05
8-12 : 11,439.60
13 : 2,254.20
14-17 : 12,731.40

Holes 18-23 : 18,390.00

Water Supply

Labour

Date	Hole#	Memo	ManHrs.
Aug 1	VA-79-6	Maintain hoseline	2½
Aug 2	VA-79-7&8	" "	1
Aug 3	VA-79-9&10	" "	1
Aug 4	" " 11&12	" "	1
Aug 5	" " 12&13	" "	5½
Aug 7	" " 14	" "	1
Aug 9	" " 16&17	" "	½
Aug 10	" " 18	" "	1
Aug 11	" " 19	" "	½
Aug 12	" " 20	" "	3½
Aug 14	" " 22	" "	½
			18½

Labour: 18 man hrs. @ 16.50/hr. $297.00

Holes 6, 7 : #49.50
8-12 : 82.50
13 : 49.50
14-17 : 24.75
18-23 : 90.75

Moving Between Holes

Labour

Date	Memo	ManHrs.
Aug 1D	Teardown & move	24
Aug 1N	Setting up on hole #7	7
Aug 2D	Setting up on hole #8	2
Aug 2N	Move & setup on hole #9	12
Aug 3D	Teardown & move	15
Aug 3N	Setting up on hole #11	5
Aug 4D	Teardown drill	4
Aug 4N	Move & setup on hole #12	12
Aug 5D	Teardown & move to hole #13	22
Aug 5N	Setting up on hole #13	2
Aug 6D	Teardown & move	40½
Aug 7D	Finish setting up on hole #14	2
Aug 8D	Setting up on hole #15	6
Aug 8N	Setting up on hole #16	4
Aug 9D	Teardown & move to hole #17	11
Aug 10D	Move & setup on hole #18	15½
Aug 11D	Setting up on hole #19	5
Aug 11N	Teardown & prepare for move	8
Aug 12D	Move & setup on hole #20	19
Aug 13D	Move & setup on hole #21	13
Aug 13D	Setting up on hole #22	8
Aug 14D	Move & setup on hole #23	17
Aug 14D	Finish setting up drill	6
		260

Labour: 260 hrs. @ 16.50/hr. $4290.00

Holes 6,7 : $511.50
8-12 : 825.00
13 : 396.00
14-17 : 1047.75
18-23 : 1509.75

Ream Casing & Hole Stabilizing

Labour & Equipment

Date	Hole#	Memo	ManHrs.	Drill	
Aug 1N	VA79-7	Ream casing 26 - 30'	3	1½	
Aug 4N	VA79-12	Ream casing 9 - 12'	1	½	
			4	2	
	Labour:	4 manhrs. @ 16.50/hr.	66.00		
	Drill :	2 hrs. @ 11.00/hr.	22.00		
	Pumps :	2 hrs. @ 2 x .90/hr.	3.60		$91.60
	BW Casing Usage:	7' @ .80/ft.			$ 5.60
			Hole 7	Hole 12	$97.20
		Labour	#49.50	16.50	
		Drill	16.50	5.50	
		Pumps	2.70	.90	
		Casing	3.20	2.40	
			#71.90	#25.30	

Standby Time

Labour & Equipment

Date		Memo	ManHrs.	DrillHrs.	
Aug 10D	79-17	Wait for chopper	10	5	
Aug 12D	79-20	Wait for chopper	10½	2½	
			20½	7½	
	Labour:	20½ hrs. @ 15.50/hr.		317.75	
	Drill :	7½ hrs. @ 8.00/hr.		60.00	$377.75

	Hole 17	Hole 20
Labour:	#155.00	162.75
Drill:	40.00	20.00
	#195.00	#182.75

D.W. COATES ENTERPRISES LTD.

2560 A Simpson Road.
Richmond, B.C. V6X 2P9

INVOICE NO.: 1557
JOB NO.: 359
DATE: Sept 12/79

Prism Resources Ltd.
601 - 409 Granville St.
Vancouver, B. C.

RE: Kathleen Lake Yukon Drilling

PERIOD: August 15 - 31, 1979

	VAL	
Drilling Detail - Super 38	–	$23,520.05
Drilling Detail - BBS#1	#60,774.60	60,774.60
Water Supply	197.50	330.00
Moving Between Holes	5,181.00	7,045.50
Ream Casing & Hole Stabilizing	45.80	366.40
Standby Time	–	351.00
Testing	–	84.60
Materials Left in holes	–	208.25
	#66,199.90	$92,680.40

RECEIVED
SEPT 14 1979

Holes 24-26	27	28 - 30	31-36	37	38	39
#5,861.50	#3,793.20	#11,508.60	#40,616.10	#3,756.60	#4,932.90	#1814.
16.50	24.50	24.50	82.50	16.50	33.00	-
528.00	759.00	924.00	1,278.75	511.50	693.00	486.
#6,406.00	#4,576.70	#12,457.10	45.80	#4,284.60	#5,658.90	#2301.
148.80	49.60	148.80	#42,023.15	49.60	49.60	49.
#6,554.80	#4,626.30	#12,605.90	297.60	#4,334.20	#5,708.50	#2350.
			#42,320 75			2350.75

Drilling Detail - BBS#1

Hole#	Size	From	To	Footage	Rate	Amount
VA79-24	BQ	0	4	4	$15.30	$ 61.30
VA79-24	BQ	4	148	144	14.10	2030.40
VA79-25	BQ	0	8	8	15.30	122.40
VA79-25	BQ	8	178	170	14.10	2397.00
VA79-26	BQ	0	8	8	15.30	122.40
VA79-26	BQ	8	88	80	14.10	1128.00
VA79-27	BQ	0	12	12	15.30	183.60
VA79-27	BQ	12	268	256	14.10	3609.60
VA79-28	BQ	0	8	8	15.30	122.40
VA79-28	BQ	8	228	220	14.10	3102.00
VA79-29	BQ	0	4	4	15.30	61.20
VA79-29	BQ	4	338	334	14.10	4709.40
VA79-30	BQ	0	14	14	15.30	214.20
VA79-30	BQ	14	248	234	14.10	3299.40
VA79-31	BQ	0	17	17	15.30	260.10
VA79-31	BQ	17	248	231	14.10	3257.10
VA79-32	BQ	0	7	7	15.30	107.10
VA79-32	BQ	7	317	310	14.10	4371.00
VA79-33	BQ	0	9	9	15.30	137.70
VA79-33	BQ	9	338	329	14.10	4638.90
VA79-34	BQ	0	10	10	15.30	153.00
VA79-34	BQ	10	330	320	14.10	4512.00
VA79-35	BQ	0	9	9	15.30	137.70
VA79-35	BQ	9	358	349	14.10	4920.90
VA79-36	BQ	0	11	11	15.30	168.30
VA79-36	BQ	11	468	457	14.10	6443.70
VA79-37	BQ	0	5	5	15.30	76.50
VA79-37	BQ	5	266	261	14.10	3680.10
VA79-38	BQ	0	10	10	15.30	153.00
VA79-38	BQ	10	349	339	14.10	4779.90
VA79-39	BQ	0	8	8	15.30	122.40
VA79-39	BQ	8	128	120	14.10	1692.00
				4298		$60,774.60

Holes 24-26 : $5,861.50
27 : $3,793.20
28-30 : $11,508.60
31-36 : 40,616.10
37 : $3,756.60
38 : $4,932.90
39 : $1,814.40

Water Supply

Labour

Date	Hole#	Memo	ManHrs.
Aug 24	VE79-21	Maintain hoseline	1
Aug 25	VE79-21	" "	1
Aug 26	VE79-21	" "	1
Aug 27	VE79-22	" "	½
Aug 28	VE79-23	" "	1
Aug 29	VE79-24	" "	1
Aug 30	VE79-24	" "	1½
Aug 31	VE79-25	" "	1
Aug 16	VA79-26	" "	1
Aug 18	VA79-27	" "	½
Aug 19	VA29-27	" "	1
Aug 20	VA79-29	" "	1
Aug 21	VA79-30	" "	½
Aug 22	VA79-31	" "	½
Aug 23	VA79-32	" "	1
Aug 24	VA79-33	" "	1
Aug 25	VA79-34	" "	½
Aug 26	VA79-35	" "	½
Aug 27	VA79-36	" "	1
Aug 28	VA79-36	" "	½
Aug 29	VA79-37	" "	1
Aug 30	VA79-38	" "	1
Aug 31	VA79-38	" "	1
			20

Labour: 20 hrs. @ 16.50/hr. $330.00

Holes 26 : #16.50
27 : 24.50
29,30 : 24.50
31-36 : 82.50
37 : 16.50
38 : 33.00 #197.50

Moving between Holes

Labour

Date	Memo	ManHrs.
Aug 24D	Setup on hole #21	26
Aug 24N	Setup on hole #21	8
Aug 26D	Move & setup on hole #22	15½
Aug 28D	" " #23	20
Aug 29D	" " "24	27
Aug 31D	" " "25	16½
Aug 15D	" " "24	16
Aug 16D	" " "26	16
Aug 17N	" " "27	16
Aug 18D	" " "27	24
Aug 18N	" " "27	6
Aug 19D	" " "28	8
Aug 19N	" " "28	18
Aug 20D	" " "29	2
Aug 20N	" " "30	8
Aug 21D	" " "30	4
Aug 21N	" " "30	16
Aug 22D	" " "31	16
Aug 23D	" " "32	2
Aug 24D	" " "33	6
Aug 24N	" " "33	10
Aug 25N	" " "34	12
Aug 26D	" " "35	25½
Aug 27D	" " "36	6
Aug 28D	" " "37	19
Aug 28N 290 - drilling 37	" " "37	12
Aug 29N	" " "38	12
Aug 30D	" " "38	30
Aug 31D	" " "39	19½
Aug 31N	" " "39	10
		427

IL : Holes 24-26 : $528.00
27 : 759.00
28-30 : 924.00
31-36 : 1278.75

Labour: 427 hrs. @ 16.50/hr. $7045.50

37 : $511.50
38 : 693.00
39 : 486.75 $1181.00

Ream Casing & Hole Stabilizing

Labour & Equipment

Date	Hole#	Memo	ManHrs.	Drill
Aug 25D	VE79-21	Stabilize hole	6	3
Aug 26N	VE79-22	" "	4	2
Aug 27D	VE79-22	" "	2	1
Aug 31N	VE79-25	Ream casing	2	1
Aug 22D	VA79-31	Ream casing	2	1
			16	8

VAL

Labour:	2 hrs 16 hrs. @ 16.50/hr.	$33.00	264.00	
Drill :	8 hrs. @ 11.00/hr.	11.00	88.00	
Pump :	8 hrs. @ 2 x .90/hr.	1.80	14.40	$366.40
		$45.80		

Standby Time

Labour & Equipment

Date	Memo	ManHrs.	Drill
Aug 28N	Wait for instructions	8	4
Aug 30N	" " "	10	5
		18	9

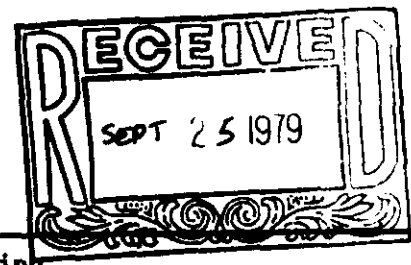
Labour:	18 hrs. @ 15.50/hr.	279.00	
Drill :	9 hrs. @ 8.00/hr.	72.00	$351.00

D.W. COATES ENTERPRISES LTD.

2560 A Simpson Road.
Richmond, B.C. V6X 2P9

JOB NO.: 359
DATE: Sept 21/79

Prism Resources Ltd.
601 - 409 Granville St.
Vancouver, B. C.



RE: Kathleen Lake Yukon Drilling

PERIOD: September 1 - 12/79

		VAL	
Drilling Detail - Super 38		—	$ 7,191.60
Drilling Detail - BBS 1		#3243.00	10,144.70
Water Supply		33.00	163.80
Transportation		—	8,620.00
Moving between Holes		—	3,126.75
Drilling with Mud		—	174.00
Ream Casing & Hole Stabilizing		—	1,420.57
Standby Time		—	350.00
Other Charges		—	115.20
	Hole 39	#3276.00	$31,306.62

Drilling Detail - Super 38

Hole#	Size	From	To	Footage	Rate	Amount
VE79-25	BQ	207	257	50	$14.10	$ 705.00
VE79-26	BQ	0	14	14	15.30	214.20
VE79-26	BQ	14	181	167	14.10	2354.70
VE79-27	BQ	0	10	10	15.30	153.00
VE79-27	BQ	10	277	267	14.10	3764.70
				508		$7191.60

Drilling Detail - BBS#1

Hole#	Size	From	To	Footage	Rate	Amount
VAL VA79-39	BQ	128	358	230	$14.10	$3243.00
BL79-1	NQ	0	5	5	15.30	76.50
BL79-1	NQ	5	457	452	15.10	6825.20
				687		$10,144.70

Water Supply

Labour

Date	Hole#	Memo	ManHrs.
Sept 1N	VE79-26	Maintain hoseline	½
Sept 2D	VE79-26	" "	½
Sept 2N	VE79-29	" "	½
Sept 3D	VE79-29	" "	½
Sept 1D	VA79-39	" "	2
Sept 6D	BL79-1	" "	½
Sept 6N	BL79-1	" "	½
Sept 7D	BL79-1	" "	½
Sept 7N	BL79-1	" "	½
			6

Labour:	2 6 hrs. @ 16.50/hr.	VAL # 33.00	99.00	
Extra Pump:	72 hrs. @ .90/hr.		64.80	$163.80

Transportation

(a) Demobilization

Lump Sum	50% x 8000.00	$4000.00

VANGEOCHEM LAB LTD. 604-988-2172

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.
CANADA

TO ACCOUNT WITH

Prism Resources Ltd.

INVOICE: 1031

DATE: June 22, 1979

TERMS: NET 14 DAYS

FOR REPORT 79 71 009 PROJECT: VAL ORDER NO. 79091

138 Soil samples for preparation	@$0.45	$ 62.10
138 trace analyses for Pb, Zn, Ag.	@$2.80	386.40
Total		$448.50

01257

VANGEOCHEM LAB LTD. (604) 986-5211

1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

TO ACCOUNT WITH

Prism
601, 409 Granville St.
Vancouver, B. C.
V6C 1T2

INVOICE: 5007

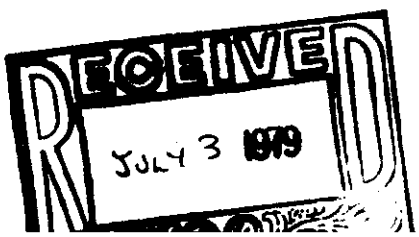
DATE: June 15, 1979

TERMS: NET 14 DAYS

FOR REPORT 79 71 006 PROJECT: VAL ORDER NO. 79 - 075

175 soil samples for preparation	@$0.45	$ 78.75
175 trace analysis for Pb, Zn, Ag	@$2.80	490.00
	Total	$568.75

06-025-02



[redacted] LTD. (604) 986 5211
1621 PEMBERTON AVE., NORTH VANCOUVER, B.C.
CANADA V7P 2S3

IN ACCOUNT WITH

Prism Resources Ltd.

INVOICE 5037

DATE June 25, 1979

TERMS: NET 14 DAYS

FOR REPORT 79 71 010 PROJECT: V X Ø 2 ORDER NO. 79095

5 soil samples for preparations	@$0.45	$ 2.25
5 trace analyses for Pb,Zn,Ag	@$2.80	$ 14.00
Total		$ 16.25

[redacted] LTD. (604) 986 [illegible]
1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

IN ACCOUNT WITH

INVOICE: 5215

Prism Resources Ltd.
#601, 409 Granville Street
Vancouver, B. C.
V6C 1T2

DATE: August 20, 1979

TERMS: NET 14 DAYS

FOR REPORT 79 71 030 PROJECT: VAL B ORDER NO. 79219

161 Soil samples for preparation	$0.45	$ 72.45
161 trace analyses for Pb Zn & Ag	$2.80	450.80
161 Ag bg/c	$0.25	40.25
Total		$563.50

VANGEOCHEM LAB LTD. (604) 986 - 5211
1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

IN ACCOUNT WITH

Prism Resources Ltd.
#601 - 409 Granville Street
Vancouver, B. C.
V6C 1T2

INVOICE: 5236

DATE: August 28, 1979

TERMS: NET 14 DAYS

FOR REPORT 79 71 036 PROJECT: Val ORDER NO. 79 - 236

9 soil samples for preparation	@$0.45	$ 4.05
9 trace analysis for Pb, Zn, Ag	@$2.80	25.20
9 Ag b/c	@$0.25	2.25
	Total	$31.50

VANGEOCHEM LAB LTD. (604) 986 - 5211
1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

IN ACCOUNT WITH:

Prism Resources Ltd.
#601 - 409 Granville Street
Vancouver, B. C.
V6C 1T2

INVOICE: 5231

DATE: August 24, 1979

TERMS: NET 14 DAYS

FOR REPORT 79 71 035 PROJECT: VAL B ORDER NO. 79 231

307 soil samples for preparation	@$0.45	$ 138.15
307 trace analysis for Pb, Zn, Ag	@$2.80	859.60
307 Ag b/c	@$0.25	76.75
	Total	$1074.50

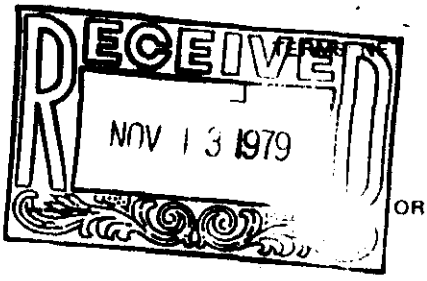
VANGEOCHEM LAB LTD. (604) 986 - 5211
1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

INVOICE 5389

IN ACCOUNT WITH

Prism Resources Ltd.
#601, 409 Granville Street
Vancouver, B. C. V6C 1T2

DATE November 9, 1979



TERMS NET 14 DAYS

FOR REPORT 79 71 058 PROJECT: ORDER NO. 79 293

22 Rock samples for double preparation	@$3.50	$ 77.00
22 trace analyses for Mo, Cu, Pb, Zn, Ag, Cd.	@$4.75	104.50
22 Ag bg/c	@$0.25	5.50
22 trace analyses for Ba by XRF	@$3.25	71.50
	Total	$253.50

All Val Property

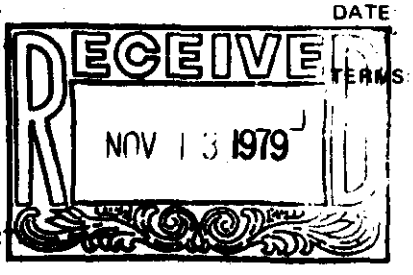
VANGEOCHEM LAB LTD. (604) 986 - 5211
1521 PEMBERTON AVE., NORTH VANCOUVER, B. C.
CANADA V7P 2S3

INVOICE 5390

IN ACCOUNT WITH

Prism Resources Ltd.
#601, 409 Granville Street
Vancouver, B. C.
V6C 1T2

DATE Nov. 9, 1979



TERMS NET 14 DAYS

FOR REPORT 79 71 059 PROJECT ORDER NO. 79 293

1 Rock samples for preparation	@$1.75	$ 1.75
1 trace analysis for Mo, Cu, Pb, Zn, Ag, Cd	@$4.75	4.75
1 Ag bg/c	@$0.25	.25
1 trace analysis for Au	@$3.75	3.75
1 trace analysis for As	@$2.75	2.75
1 trace analysis for Sb	@$2.50	2.50
1 trace analysis for Ba by XRF	@$3.25	3.25
1 trace analysis for F	@$3.50	3.50
	Total	$22.50

All Val Property

LEGEND

- Breccia
- Platy orange dolomite
- Grey dolomite, finely laminated
- Dolomite & shale, interbedded
- F F F Fossiliferous grey dolomite
- Green siltstone

X mineral occurence
gn galena
sp sphalerite
tt tetrahedrite

- talus
- CP claim post
- ck creek
- baseline
- 140 50 strike & dip

S.9606

PRISM resources limited

PRISM JOINT VENTURE 1977 - 2

VAL GRID GEOLOGY

MAYO MINING DISTRICT, YUKON TERRITORY. N.T.S. : 106 D-8

Outcrop Geology Map

DATE : Nov 78 FIGURE No : 2 DRAWN BY : G.C. SCALE : 1:2500

LEGEND

- surveyed grid
- outcrop areas
- mineralized talus
- bulldozer road, trench
- diamond drillhole collar
- claimpost, claim numbers (30 / 29 / 28 / 27)
- geological contact (inferred)
- normal fault (inferred)
- mineralized outcrop
- strike, dip — bedding (40)
- strike, dip — fractures, joints (35)
- breccia

690615

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL PROPERTY — MAIN SHOWINGS

MAYO MINING DISTRICT YUKON TERRITORY NTS: 106 C-5

SCALE : 1 : 2667

metres 100 50 0 50 100 150 200

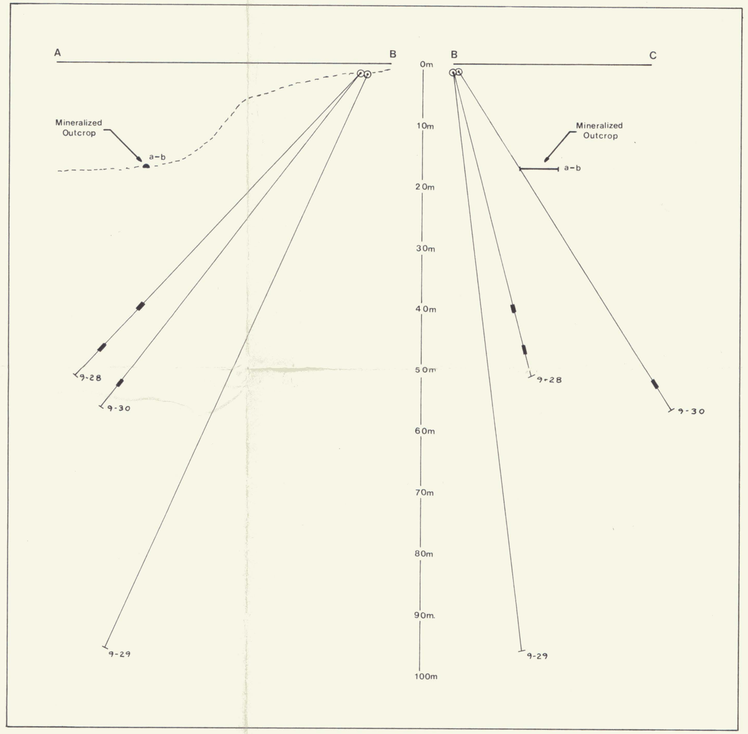
DRAWN BY: GWC, BD | DATE: DEC. 1979 | FIGURE No: 3

1979 Drill Hole Data

Hole	Brg°	Dip°	Length (meters)	Int (meters) From	To	Int Length m	(ft)	Ag (ppm)	Pb %	Zn %
9-28	255	-45	69.5	52.7	53.9	1.2	(4.0)	632	15.34	12.8
				61.9	63.4	1.5	(5.0)	18	0.61	4.5
9-30	280	-45	75.6	69.5	71.0	1.5	(5.0)	16	0.22	0.81

Channel Sample	Width m	(ft)	Ag (ppm)	Pb %	Zn %
a-b	1.5	(5.0)	852	19.2	6.3

Sections AB and BC



PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL ; TETRAHEDRITE ZONE

Drill Plan and Sections

MAYO MINING DISTRICT YUKON TERRITORY NTS:

SCALE : 1:500

0 5 10 20 30 Metres

DRAWN BY: GW COLEMAN | DATE: Nov 1979 | FIGURE No: 4

1979 Drill Hole Data

Hole	Brg°	Dip°	Length (m)	Int (m) From	To	Int Length m (ft)	Ag (ppm)	Pb %	Zn %
9-14	216	-55	83.30	6.10	31.55	25.45 (83.50)	70	2.14	10.87
				51.2	65.5	14.3 (47.0)	1230	15.6	5.0
9-16	170	-50	78.60	10.36	30.48	20.12 (66.0)	703	15.31	22.12
9-18	230	-50	93.90	13.41	17.37	3.96 (13.0)	397	3.06	3.35
9-20	030	-45	100.0	22.40	23.90	1.5 (5.0)	52	0.75	7.93
9-21	065	-45	54.25	24.70	25.30	0.60 (2.0)	114	1.01	6.91
9-22	345	-45	57.30	34.90	35.20	0.30 (1.0)	1693	3.81	31.63

Channel Samples	Width m (ft)	Ag (ppm)	Pb %	Zn %
A - B	3.31 (10.86)	687	28.19	8.56

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL - BIG RED ZONE

DRILL PLAN

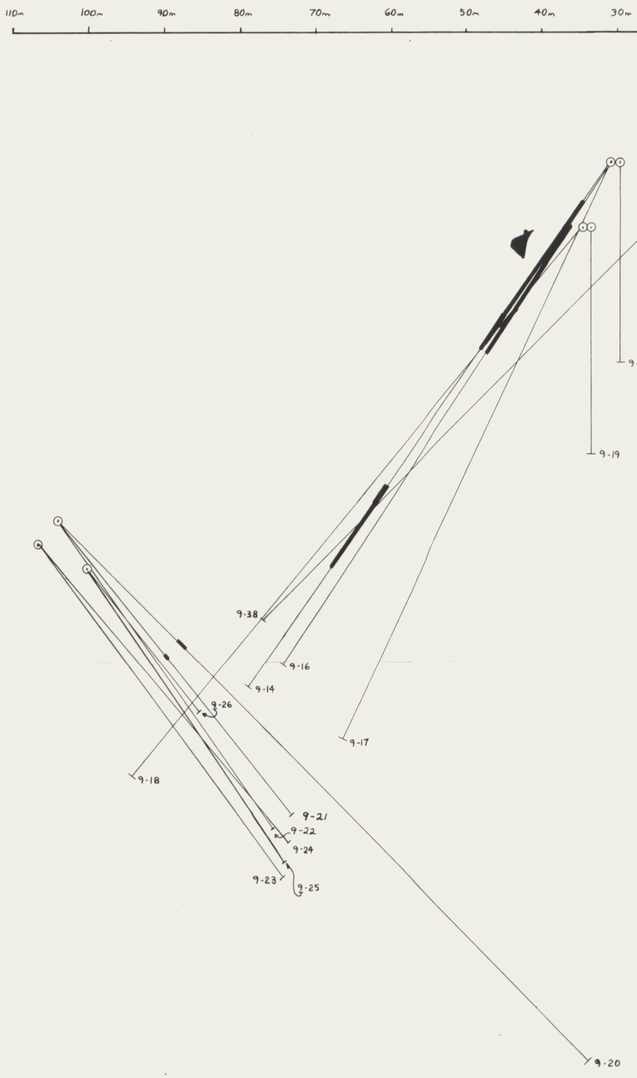
MAYO MINING DISTRICT YUKON TERRITORY NTS: 106C

SCALE :1:500

0 5 10 20 30 40 50 Metres

0 20 40 80 120 160 Feet

DRAWN BY: G.W. COLEMAN | DATE: OCT 1979 | FIGURE No: 5



Section Looking 300°

Section Looking 210°

LEGEND

Mineralization

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL

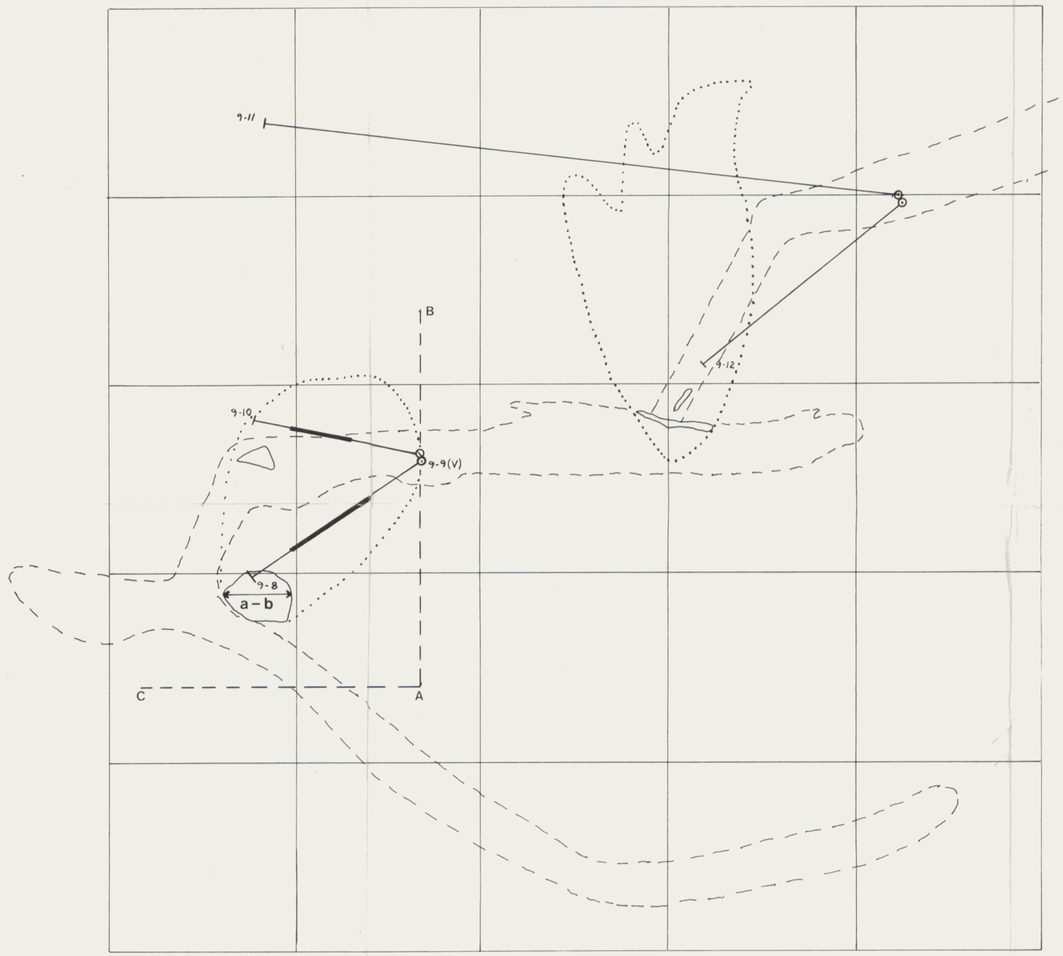
Big Red Zone Sections

MAYO MINING DISTRICT YUKON TERRITORY NTS: 106 C-5

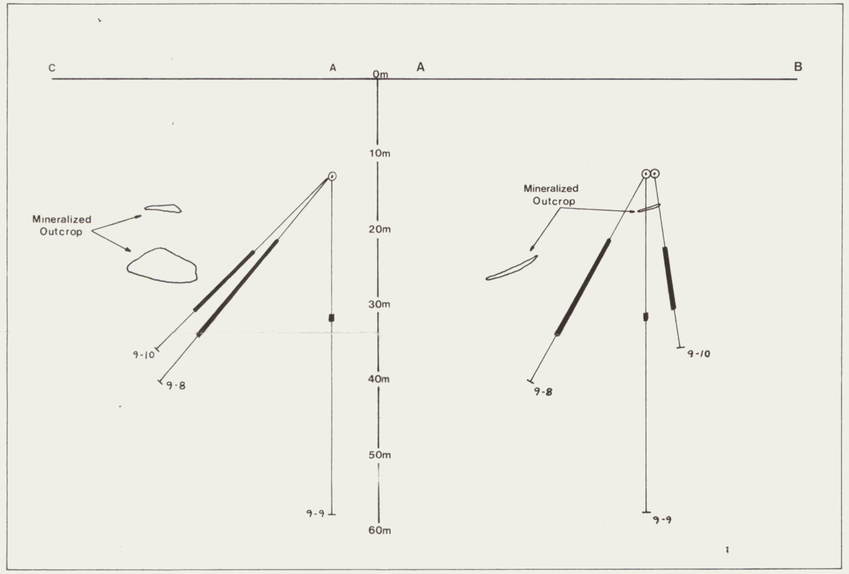
SCALE :1:500

0 10 20 30 40 Metres

DRAWN BY: G.W.COLEMAN | DATE: OCT 1979 | FIGURE No: 6



Sections C A and AB



1979 Drill Hole Data

Hole	Brg°	Dip°	Length meters	Int (meters) FROM	TO	Int Length m	(ft)	Ag (ppm)	Pb %	Zn %
9-8	260	-45	39	12.2	15.25	3.05	(10.0)	192	2.8	8.8
				15.25	18.3	3.05	(10.0)	60	1.6	20.2
				18.3	30.5	12.20	(40.0)	21	1.0	2.9
9-9	vertical		45.1	18.6	19.05	0.45	(1.5)	66	2.9	20.6
9-10	305	-45	32.9	14.3	25.6	11.3	(37.0)	32	0.5	13.7

Channel Sample	Width m	(ft)	Ag (ppm)	Pb %	Zn %
a-b	6.5	(21.3)	143	2.26	26.2

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL; LITTLE RED ZONE

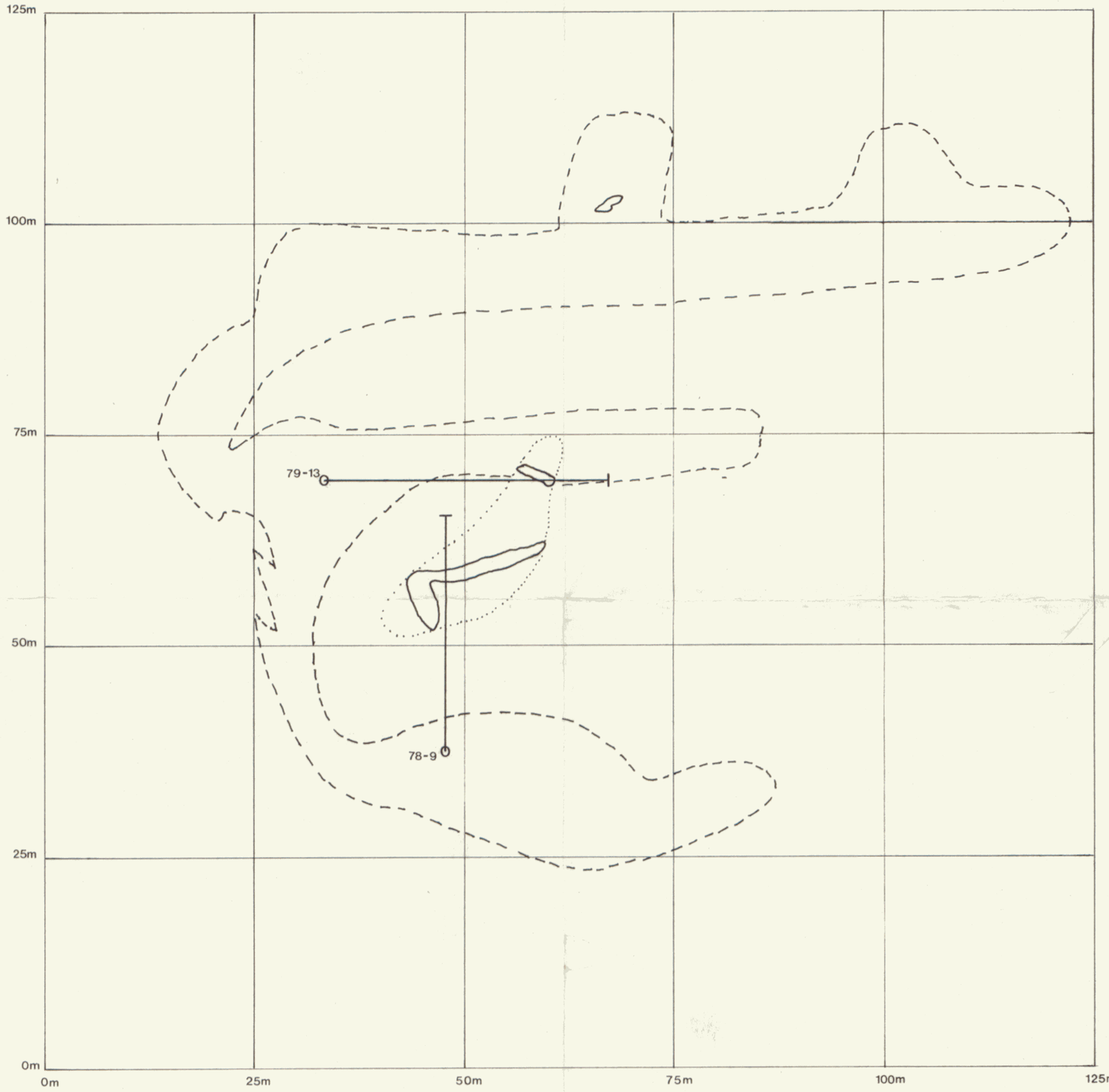
DRILL PLAN and SECTIONS

MAYO MINING DISTRICT YUKON TERRITORY NTS: 106 C-5

SCALE : 1:500

0 5 10 20 30 Metres

DRAWN BY: G W COLEMAN | DATE: Nov 1979 | FIGURE No: 7



LEGEND

- Drill Hole Collar
- Diamond Drill Hole
- Mineralized Outcrop
- Inferred Plan of Mineralization
- Cat Trench

090615

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

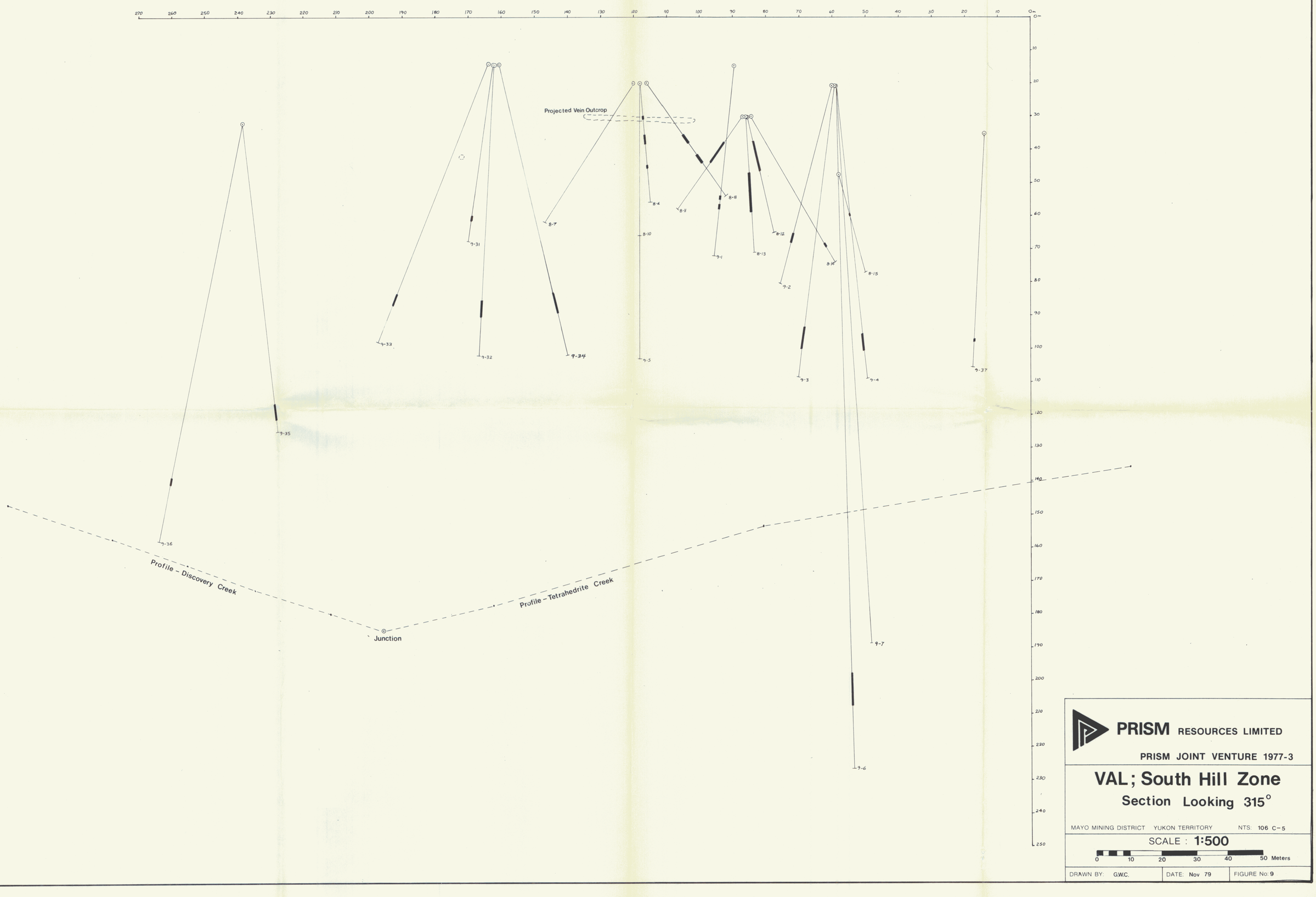
VAL
NORTH KILL ZONE

MAYO MINING DISTRICT YUKON TERRITORY NTS: 106 c-5

SCALE : 1:500

0 5 10 15 20 Meters

DRAWN BY: G W C | DATE: Nov 79 | FIGURE No: 8



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PRISM JOINT VENTURE 1977-3

VAL; South Hill Zone

Section Looking 315°

MAYO MINING DISTRICT YUKON TERRITORY NTS: 106 C-5

SCALE : 1:500

0 10 20 30 40 50 Meters

DRAWN BY: G.W.C.	DATE: Nov 79	FIGURE No: 9

Composite Cross Section

Looking Northeast (045°)

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PRISM JOINT VENTURE 1977-3

VAL PROPERTY

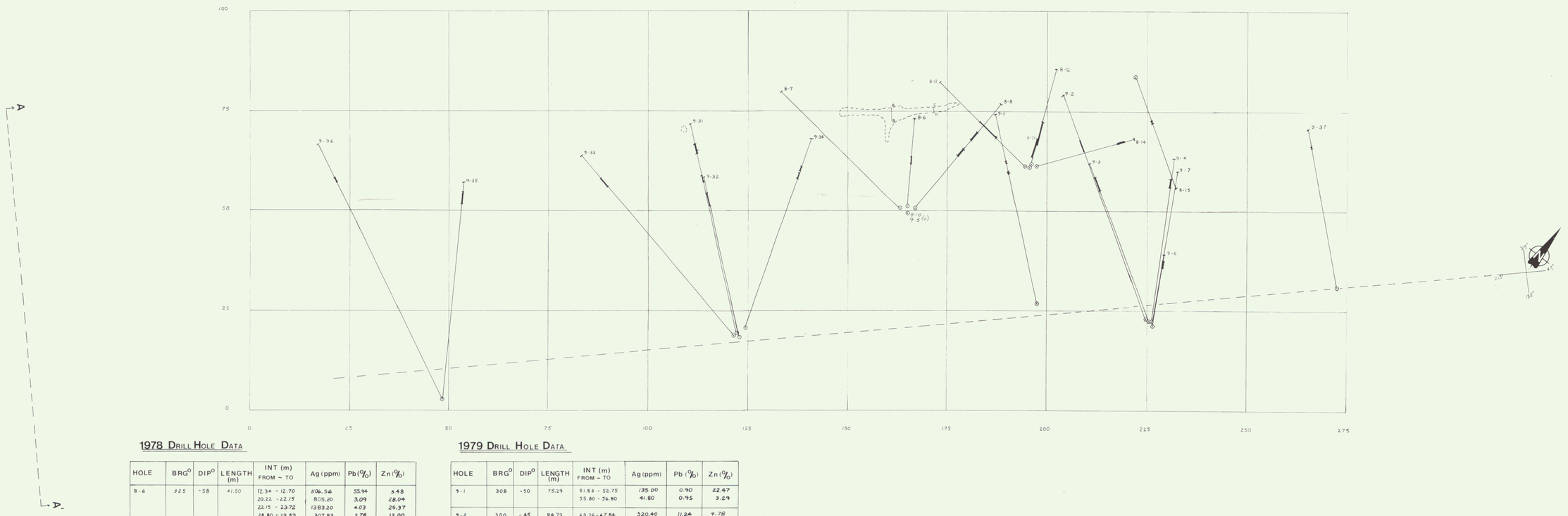
SOUTH HILL ZONE

MAYO MINING DISTRICT YUKON TERRITORY NTS:

SCALE : 1:500

0 10 20 30 40 Meters

DRAWN BY: GS	DATE: NOV. '79	FIGURE No: 10



1978 Drill Hole Data

HOLE	BRG°	DIP°	LENGTH (m)	INT (m) FROM ~ TO	Ag (ppm)	Pb (%)	Zn (%)
8-6	325	-58	41.50	12.34 - 12.70 20.22 - 22.15 22.15 - 23.72 28.80 - 29.89	1106.56 805.20 1383.20 307.83	33.94 3.09 4.03 2.78	3.48 28.04 25.37 12.00
8-8	360	-45	47.60	23.80 - 24.80 24.80 - 24.90 31.10 - 32.90 32.90 - 34.35	297.55 380.85 396.62 232.76	4.24 1.16 6.08 2.47	35.83 8.95 7.33 9.92
8-11	275	-45	42.00	13.90 - 22.50	369.90	10.82	5.09
8-12	335	-55	41.80	8.60 - 18.90	275.30	5.79	9.30
8-13	335	-80	41.80	14.60 - 34.70	97.40	1.40	9.22
8-14	035	-60	50.92	39.30 - 40.40 43.10 - 44.50 44.80 - 45.73	52.45 43.54 1210.84	1.33 1.07 18.77	2.14 2.63 3.18
8-15	120	-45	42.07	16.97 - 17.27 17.34 - 17.70 37.10 - 37.55	36.90 438.78 82.41	2.59 14.13 0.55	1.15 6.52 1.47
CHANNEL SAMPLES			WIDTH (m)				
A - B			3.20		1950.53	36.85	8.91
C - D			3.20		229.96	42.35	9.50

1979 Drill Hole Data

HOLE	BRG°	DIP°	LENGTH (m)	INT (m) FROM ~ TO	Ag (ppm)	Pb (%)	Zn (%)
9-1	308	-50	75.29	51.83 - 52.75 55.80 - 56.80	135.00 41.80	0.90 0.95	22.47 3.29
9-2	300	-45	84.73	63.26 - 67.84	520.40	11.24	4.78
9-3	300	-65	99.97	80.50 - 87.65	550.0	5.45	11.73
9-4	328	-65	96.62	80.18 - 84.76	141.60	3.05	3.37
9-6	330	-85	206.65	182.3 - 187.8 177.7 - 187.8	241.70 152.50	3.63 2.71	4.46 3.07
9-31	308	-45	75.59	54.73 - 55.64 64.94 - 66.46	28.79 197.45	0.85 0.99	11.9 4.09
9-32	308	-65	96.62	81.1 - 87.5	112.5	1.22	3.51
9-33	280	-55	103.02	85.21 - 89.79	81.0	1.57	9.96
9-34	340	-60	100.58	81.7 - 86.74	72.0	1.78	10.76
9-35	326	-60	109.12	98.32 - 104.88	192.1	1.74	3.53
9-36	294	-60	142.65	121.34 - 123.78	5.5	0.23	0.96
9-37	310	-60	82.91	71.32 - 71.93	38.70	0.86	5.92

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL; SHZ

DRILL PLAN

MAYO MINING DISTRICT YUKON TERRITORY NTS:

SCALE 1: 500

0 5 10 20 30 40 50 Metres

DRAWN BY: GWC | DATE: Nov 1979 | FIGURE No: 11

64° 17'

132° 48'

519060

12600N
12400N
12200N
12000N
11800N
11600N
11400N
11200N
11000N
10800N
10600N
10400N
10200N
10000N
9800N
9600N
9400N
9200N
9000N

500E 700E 900E 1100E 1300E 1500E 1700E 1900E 2100E 2300E 2500E 2700E 2900E 3100E 3300E 3500E 3700E 3900E 4100E 4300E 4500E 4700E 4900E 5100E 5300E 5500E 5700E 5900E 6100E 6300E 6500E 6700E 6900E 7100E 7300E 7500E 7700E 7900E

090615

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL B GRID

Geochemical Plan Pb ppm

MAYO MINING DISTRICT YUKON TERRITORY NTS:

SCALE : 1: 10000

0 50 100 150 200 250 Meters

DRAWN BY: G.W.C.	DATE: Nov 79	FIGURE No: 12

64° 17'

12600N

12400N

12200N

12000N

11800N

11600N

11400N

11200N

11000N

10800N

10600N

10400N

10200N

10000N

9800N

9600N

9400N

9200N

9000N

500E 700E 900E 1100E 1300E 1500E 1700E 1900E 2100E 2300E 2500E 2700E 2900E 3100E 3300E 3500E 3700E 3900E 4100E 4300E 4500E 4700E 4900E 5100E 5300E 5500E 5700E 5900E 6100E 6300E 6500E 6700E 6900E 7100E 7300E 7500E 7700E 7900E

090615

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL B GRID

Geochemical Plan Zn ppm

MAYO MINING DISTRICT YUKON TERRITORY NTS: 106 C-5

SCALE : 1: 10000

0 50 100 150 200 250 Meters

DRAWN BY:	DATE:	FIGURE No:
G.W.C.	Nov 79	13

64° 17'

132° 48'

12600N

12400N

12200N

12000N

11800N

11600N

11400N

11200N

11000N

10800N

10600N

10400N

10200N

10000N

9800N

9600N

9400N

9200N

9000N

500E 700E 900E 1100E 1300E 1500E 1700E 1900E 2100E 2300E 2500E 2700E 2900E 3100E 3300E 3500E 3700E 3900E 4100E 4300E 4500E 4700E 4900E 5100E 5300E 5500E 5700E 5900E 6100E 6300E 6500E 6700E 6900E 7100E 7300E 7500E 7700E 7900E

090615

PRISM RESOURCES LIMITED

PRISM JOINT VENTURE 1977-3

VAL B GRID

Geochemical Plan Ag ppm

MAYO MINING DISTRICT YUKON TERRITORY NTS: 106 C-5

SCALE : 1: 10000

0 50 100 150 200 250 Meters

DRAWN BY: G.W.C. | DATE: Nov 79 | FIGURE No: 14