ABERFORD RESOURCES LTD.

Report on the Geology, Geochemistry and Trenching

Conducted on the J.K. 1 - 160 Claims

August 13 & 14, 1982 AND September 13 - 25, 1982

MAYO MINING DIVISION

YUKON TERRITORY

N.T.S. 105-O-1 NIDDERY LAKE MAP SHEET

BETWEEN 63°08' and 63°11' North Latitude
130°20' and 130°27' West Longitude

OWNED AND OPERATED BY

ABERFORD RESOURCES LTD.

Report Date:
December, 1982
Report No. 27 - 82

J. D. Kapusta
ABERFORD RESOURCES LTD.
Calgary, Alberta

091409

This report [illegible] by the Geological Evaluation Unit under Section 53.4, Yukon Quartz Mining Act, and the [illegible] expenditures represented thereon in the amount of $ 21,800.

P Walker

for [illegible], Mining Recorder and Geological Services for Commissioner of Yukon Territory.

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A) GENERAL

I Introduction

The J.K. 1 - 160 Mineral Claims were staked adjacent to the Jason property during 1981 to cover a newly discovered bedded barite occurrence which may be related to massive sulphide mineralization similar to that found on the Jason property.

The J.K. 1 - 160 Mineral Claims are located on the Niddery Lake map sheet 105-O-1 at approximately 63°08' north latitude and 130°23' west longitude, nine kilometres northwest of the Canol Road at MacMillan Pass, Yukon Territory (Figure 1).

Elevation on the property rises from 610 metres along Nidd Creek to 1,829 metres elevation at the top of Hoshi Mountain. Vegetation on the property consists of alpine fir in the valley bottoms, giving way to dwarf birch and stunted alpine fir, to cariboo moss and then shifts rapidly into barren talus slopes within 150 metres elevation above the valley floor.

II Summary

The majority of work on the J.K. Claims was carried out over a two week period and consisted of soil and rock chip geochemical sampling, hand trenching, prospecting, geological mapping and measurement of stratigraphic sections. The trenching in collaboration with the stratigraphic sections, and the rock chip geochemistry, aided in defining the parameters by which the soil sampling and its interpretation was carried out. The soil sampling programme led to a northwesterly and a southeasterly extension of the known barite horizon, and the definition of underlying stratigraphic units.

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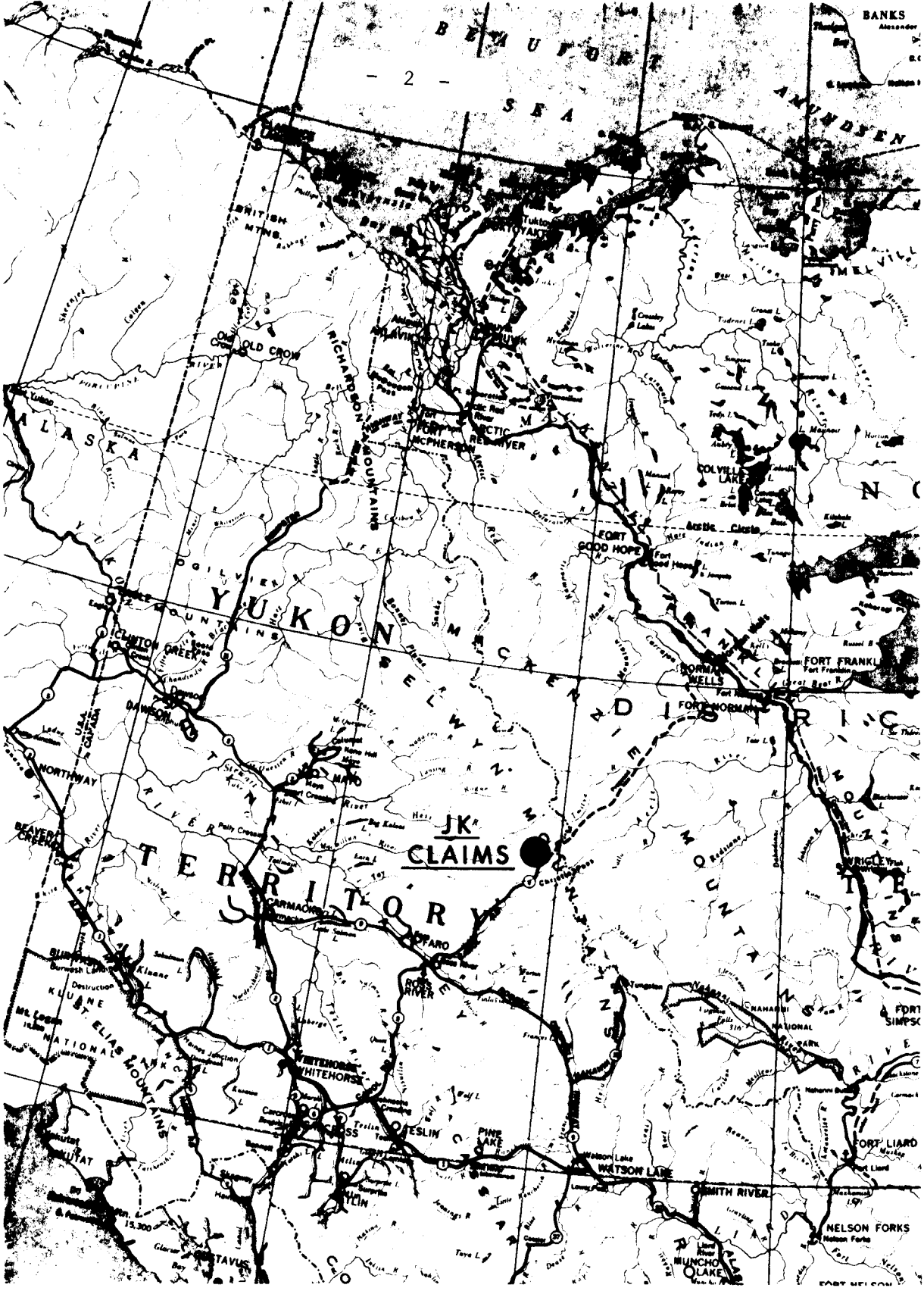

27-82

TO ACCOMPANY REPORT NO 39-81 BY J.D.K.

FIGURE 1

ABERFORD RESOURCES LTD.

PROPERTY LOCATION

JK CLAIMS

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1981	1: 1,584,000	—	A-1478

JCC

The programme was supported by a Hughes 500D helicopter based at MacMillan Pass, on contract to Aberford Resources Ltd. from Viking Helicopters. Work on the claim group was carried out by Aberford personnel based at the Jason Camp in MacMillan Pass.

It is recommended that future work on the J.K. 1 - 160 Claims should include the following:

1) More line cutting to fully cover the claim group.
2) Geophysical surveys, including gravity, magnetometer and VLF.
3) More soil sampling in selected areas.
4) More stratigraphic sectons, including rock chip geochemistry.

so as to fully assess the potential of the property.

III Claim Status

The J.K. property comprises of 160 full claims staked and recorded in June of 1981, within the Mayo Mining District, Yukon Territory (Figure 2). The J.K. 1 - 160 claim tag numbers are YA 62639 to YA 62798 inclusive (Figure 3, Table 1). The J.K. 1 - 160 Mineral Claims are held and operated by Aberford Resources Ltd. of Calgary. The recording due date on the J.K. 1 - 160 Mineral Claims was changed to December 31 in 1981.

IV Previous Geological Work and Exploration Activity

The first recorded work in the MacMillan Pass region was conducted by E.D. Kindle of the Geological Survey of Canada who carried out a reconnaissance survey of the Canol Road between 1944 and 1945. Regional mapping by S.L. Blusson of map sheet 105-O was released in Open File 205 by the Geological Survey of Canada in 1974. During 1982, S.P. Gordy, J.G. Abbott and M.J. Orchard released a paper through the Department of Indian and Northern Affairs dealing with the redisgnation of geologic units within the MacMillan Pass region.

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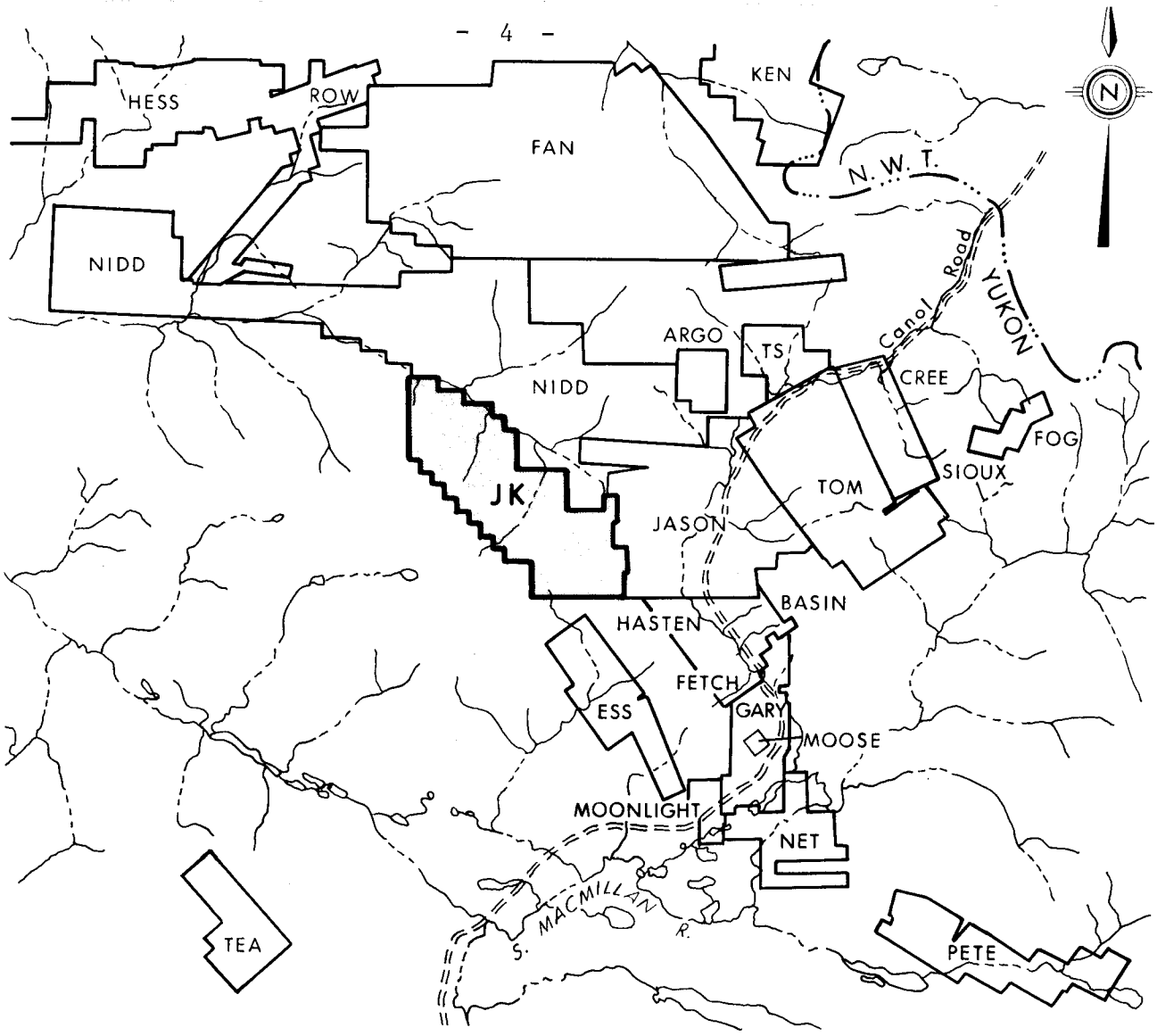

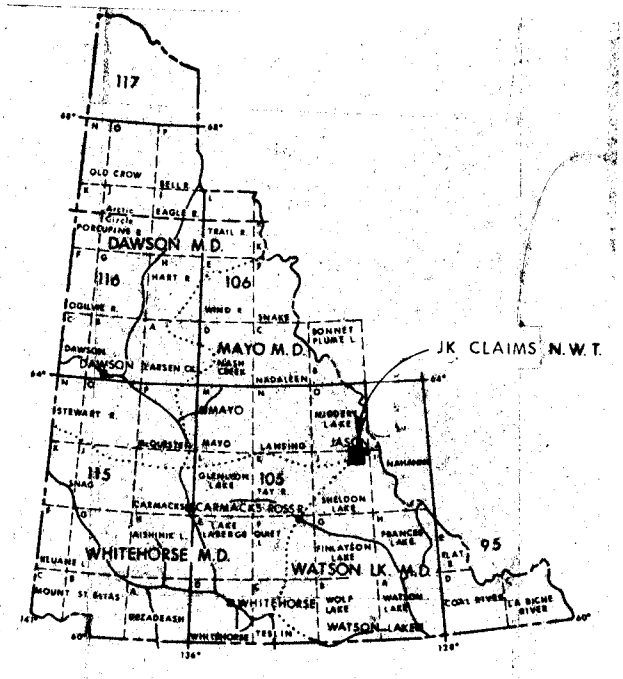

FIGURE 2

km 5 2.5 0 5 10 km

27-82

TO ACCOMPANY REPORT NO 39-81 BY J.D.K.

ABERFORD RESOURCES LTD.

MACMILLAN PASS CLAIM STATUS

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1981	1:250,000	105 J,O	A-1479

JCC

130° 20'

63°10'

159 YA62797	160 YA62798	145 YA62783										
157 YA62795	158 YA62796	143 YA62781	144 YA62782	127 YA62765								
155 YA62793	156 YA62794	141 YA62779	142 YA62780	125 YA62763	126 YA62764	107 YA62745						
153 YA62791	154 YA62792	139 YA62777	140 YA62778	123 YA62761	124 YA62762	105 YA62743	106 YA62749					
151 YA62789	152 YA62790	137 YA62775	138 YA62776	121 YA62759	122 YA62760	103 YA62741	104 YA62742	85 YA62723				
149 YA62787	150 YA62788	135 YA62773	136 YA62774	119 YA62757	120 YA62758	101 YA62739	102 YA62740	84 YA62722				
147 YA62785	148 YA62786	133 YA62771	134 YA62772	117 YA62755	118 YA62756	99 YA62737	100 YA62738	83 YA62721				
146 YA62784	131 YA62769	132 YA62770	115 YA62753	116 YA62754	97 YA62735	98 YA62736	81 YA62719	82 YA62720	65 YA62703	66 YA62704	44 YA62682	
129 YA62767	130 YA62768	113 YA62751	114 YA62752	95 YA62733	96 YA62734	79 YA62717	80 YA62718	63 YA62701	64 YA62702	43 YA62681		
128 YA62766	111 YA62749	112 YA62750	93 YA62731	94 YA62732	77 YA62715	78 YA62716	61 YA62699	62 YA62700	42 YA62680			
109 YA62747	110 YA62748	91 YA62729	92 YA62730	75 YA62713	76 YA62714	59 YA62697	60 YA62698	41 YA62679	12 YA62650			
108 YA62746	89 YA62727	90 YA62728	73 YA62711	74 YA62712	57 YA62695	58 YA62696	39 YA62677	40 YA62678	25 YA62663	26 YA62664	11 YA62649	
87 YA62725	88 YA62726	71 YA62709	72 YA62710	55 YA62693	56 YA62694	37 YA62675	38 YA62676	23 YA62661	24 YA62662	10 YA62648		
86 YA62724	69 YA62707	70 YA62708	53 YA62691	54 YA62692	35 YA62673	36 YA62674	21 YA62659	22 YA62660	9 YA62647			
67 YA62705	68 YA62706	51 YA62689	52 YA62690	33 YA62671	34 YA62672	19 YA62657	20 YA62658	7 YA62645	8 YA62646			
49 YA62687	50 YA62688	31 YA62669	32 YA62670	17 YA62655	18 YA62656	5 YA62643	6 YA62644					
47 YA62685	48 YA62686	29 YA62667	30 YA62668	15 YA62653	16 YA62654	3 YA62641	4 YA62642					
45 YA62683	46 YA62684	27 YA62665	28 YA62666	13 YA62651	14 YA62652	1 YA62639	2 YA62640					

J K

J K

FIGURE 3

m 317 158 0 317 634 952 m

TO ACCOMPANY REPORT NO. 27-82 / 39-81 BY J.D.K.

ABERFORD RESOURCES LTD.

MINERAL CLAIMS

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1981	1 : 31680	105 O/1	B-1480

JCC

TABLE 1

LIST OF MINERAL CLAIMS

Name	Recording Date	Mining Division	Tag No.
J.K. 1	June 13	Mayo	YA 62639
J.K. 2	"	Mayo	YA 62640
J.K. 3	"	Mayo	YA 62641
J.K. 4	"	Mayo	TA 62642
J.K. 5	"	Mayo	YA 62643
J.K. 6	"	Mayo	YA 62644
J.K. 7	"	Mayo	YA 62645
J.K. 8	"	Mayo	YA 62646
J.K. 9	"	Mayo	YA 62647
J.K. 10	"	Mayo	YA 62648
J.K. 11	"	Mayo	YA 62649
J.K. 12	"	Mayo	YA 62650
J.K. 13	"	Mayo	YA 62651
J.K. 14	"	Mayo	YA 62652
J.K. 15	"	Mayo	YA 62653
J.K. 16	"	Mayo	YA 62654
J.K. 17	"	Mayo	YA 62655
J.K. 18	"	Mayo	YA 62656
J.K. 19	"	Mayo	YA 62657
J.K. 20	"	Mayo	YA 62658
J.K. 21	"	Mayo	YA 62659
J.K. 22	"	Mayo	YA 62660
J.K. 23	"	Mayo	YA 62661
J.K. 24	"	Mayo	YA 62662
J.K. 25	"	Mayo	YA 62663
J.K. 26	"	Mayo	YA 62664
J.K. 27	"	Mayo	YA 62665
J.K. 28	"	Mayo	YA 62666
J.K. 29	"	Mayo	YA 62667
J.K. 30	"	Mayo	YA 62668

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Table 1 (Continued)

Name	Recording Date	Mining Division	Tag No.
J.K. 31	June 13	Mayo	YA 62669
J.K. 32	"	Mayo	YA 62670
J.K. 33	"	Mayo	YA 62671
J.K. 34	"	Mayo	YA 62672
J.K. 35	"	Mayo	YA 62673
J.K. 36	"	Mayo	YA 62674
J.K. 37	"	Mayo	YA 62675
J.K. 38	"	Mayo	YA 62676
J.K. 39	"	Mayo	YA 62677
J.K. 40	"	Mayo	YA 62678
J.K. 41	"	Mayo	YA 62679
J.K. 42	"	Mayo	YA 62680
J.K. 43	"	Mayo	YA 62681
J.K. 44	"	Mayo	YA 62682
J.K. 45	"	Mayo	YA 62683
J.K. 46	"	Mayo	YA 62684
J.K. 47	"	Mayo	YA 62685
J.K. 48	"	Mayo	YA 62686
J.K. 49	"	Mayo	YA 62687
J.K. 50	"	Mayo	YA 62688
J.K. 51	"	Mayo	YA 62689
J.K. 52	"	Mayo	YA 62690
J.K. 53	"	Mayo	YA 62691
J.K. 54	"	Mayo	YA 62692
J.K. 55	"	Mayo	YA 62693
J.K. 56	"	Mayo	YA 62694
J.K. 57	"	Mayo	YA 62695
J.K. 58	"	Mayo	YA 62696
J.K. 59	"	Mayo	YA 62697
J.K. 60	"	Mayo	YA 62698
J.K. 61	"	Mayo	YA 62699

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Table 1 (Continued)

Name	Recording Date	Mining Division	Tag No.
J.K. 62	June 13	Mayo	YA 62700
J.K. 63	"	Mayo	YA 62701
J.K. 64	"	Mayo	YA 62702
J.K. 65	"	Mayo	YA 62703
J.K. 66	"	Mayo	YA 62704
J.K. 67	June 14	Mayo	YA 62705
J.K. 68	"	Mayo	YA 62706
J.K. 69	"	Mayo	YA 62707
J.K. 70	"	Mayo	YA 62708
J.K. 71	"	Mayo	YA 62709
J.K. 72	"	Mayo	YA 62710
J.K. 73	"	Mayo	YA 62711
J.K. 74	"	Mayo	YA 62712
J.K. 75	"	Mayo	YA 62713
J.K. 76	"	Mayo	YA 62714
J.K. 77	"	Mayo	YA 62715
J.K. 78	"	Mayo	YA 62716
J.K. 79	"	Mayo	YA 62717
J.K. 80	"	Mayo	YA 62718
J.K. 81	"	Mayo	YA 62719
J.K. 82	"	Mayo	YA 62720
J.K. 83	"	Mayo	YA 62721
J.K. 84	"	Mayo	YA 62722
J.K. 85	"	Mayo	YA 62723
J.K. 86	June 15	Mayo	YA 62724
J.K. 87	"	Mayo	YA 62725
J.K. 88	"	Mayo	YA 62726
J.K. 89	"	Mayo	YA 62727
J.K. 90	"	Mayo	YA 62728
J.K. 91	"	Mayo	YA 62729
J.K. 92	"	Mayo	YA 62730
J.K. 93	"	Mayo	YA 62731
J.K. 94	"	Mayo	YA 62732

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Table 1 (Continued)

Name	Recording Date	Mining Division	Tag No.
J.K. 95	June 15	Mayo	YA 62733
J.K. 96	"	Mayo	YA 62734
J.K. 97	"	Mayo	YA 62735
J.K. 98	"	Mayo	YA 62736
J.K. 99	"	Mayo	YA 62737
J.K. 100	"	Mayo	YA 62738
J.K. 101	"	Mayo	YA 62739
J.K. 102	"	Mayo	YA 62740
J.K. 103	"	Mayo	YA 62741
J.K. 104	"	Mayo	YA 62742
J.K. 105	"	Mayo	YA 62743
J.K. 106	"	Mayo	YA 62744
J.K. 107	"	Mayo	YA 62745
J.K. 108	"	Mayo	YA 62746
J.K. 109	"	Mayo	YA 62747
J.K. 110	"	Mayo	YA 62748
J.K. 111	"	Mayo	YA 62749
J.K. 112	"	Mayo	YA 62750
J.K. 113	"	Mayo	YA 62751
J.K. 114	"	Mayo	YA 62752
J.K. 115	"	Mayo	YA 62753
J.K. 116	"	Mayo	YA 62754
J.K. 117	"	Mayo	YA 62755
J.K. 118	"	Mayo	YA 62756
J.K. 119	"	Mayo	YA 62757
J.K. 120	"	Mayo	YA 62758
J.K. 121	"	Mayo	YA 62759
J.K. 122	"	Mayo	YA 62760
J.K. 123	"	Mayo	YA 62761
J.K. 124	"	Mayo	YA 62762
J.K. 125	"	Mayo	YA 62763
J.K. 126	"	Mayo	YA 62764
J.K. 127	"	Mayo	YA 62765

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Table 1 (Continued)

Name	Recording Date	Mining Division	Tag No.
J.K. 128	June 16	Mayo	YA 62766
J.K. 129	"	Mayo	YA 62767
J.K. 130	"	Mayo	YA 62768
J.K. 131	"	Mayo	YA 62769
J.K. 132	"	Mayo	YA 62770
J.K. 133	"	Mayo	YA 62771
J.K. 134	"	Mayo	YA 62772
J.K. 135	"	Mayo	YA 62773
J.K. 136	"	Mayo	YA 62774
J.K. 137	"	Mayo	YA 62775
J.K. 138	"	Mayo	YA 62776
J.K. 139	"	Mayo	YA 62777
J.K. 140	"	Mayo	YA 62778
J.K. 141	"	Mayo	YA 62779
J.K. 142	"	Mayo	YA 62780
J.K. 143	"	Mayo	YA 62781
J.K. 144	"	Mayo	YA 62782
J.K. 145	"	Mayo	YA 62783
J.K. 146	"	Mayo	YA 62784
J.K. 147	"	Mayo	YA 62785
J.K. 148	"	Mayo	YA 62786
J.K. 149	"	Mayo	YA 62787
J.K. 150	"	Mayo	YA 62788
J.K. 151	"	Mayo	YA 62789
J.K. 152	"	Mayo	YA 62790
J.K. 153	"	Mayo	YA 62791
J.K. 154	"	Mayo	YA 62792
J.K. 155	"	Mayo	YA 62793
J.K. 156	"	Mayo	YA 62794
J.K. 157	"	Mayo	YA 62795
J.K. 158	"	Mayo	YA 62796
J.K. 159	"	Mayo	YA 62797
J.K. 160	"	Mayo	YA 62798

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Through the use of conodont dating, what were previously known as the Canol and Imperial Formations, have been redesignated as the Lower and Upper Earn Group. Another 1982 release by J.G. Abbott, through the Department of Indian and Northern Affairs, deals with structure and stratigraphy within the MacMillan Pass Region.

The Tom property located within MacMillan Pass was discovered in 1951 by prospectors for Hudson Bay Exploration and Development, and consists of 144 claims and fractions. Between the years 1951-1953, work on the Tom claims consisted of 5436 metres of diamond drilling in 39 holes, with exploration activity centered upon the West Zone. The drilling project outlined estimated reserves of 10,470,000 tons with an average grade of 5% zinc and minor lead. No further work was carried out until 1966 when additional geologic mapping, prospecting, geochemical soil sampling, and a magnetometer survey were undertaken. In 1967, Hudson Bay completed an additional 1,675 metres of diamond drilling, the results of which encouraged them to drill an additional 3,271 metres in 1968 which outlined the Tom East Zone. At the completion of drilling in these two zones, estimated reserves were 5.1 million tons with an average grade of 8% zinc, and 8% lead,and 2.7 ounces per ton silver. These results prompted Hudson Bay to drive an adit downslope and to the west of the two mineralized zones in 1970. During 1970 and 1971,887 metres of underground development was completed with 2363 metres of underground diamond drilling also being carried out. By 1972, 11,853 metres of diamond drilling had been completed with current reserves quoted to be 9,000,000 tons with an average grade of 8.4% zinc, 8.6% lead, and 2.8 ounces of silver per ton. In 1977, additional soil sampling, trenching, and geophysical surveys were carried out. Hudson Bay in 1981, decided to resume underground work with the start of an decline for future mining purposes.

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The Pete property is also located within the MacMillan Pass region, and consists of 94 claims. This claim group was staked in 1975 by the Ogilvie Joint Venture, and lies within a section of Devono-Mississippian black shales that are similar to the Tom deposit. In 1978, 589.49 metres of diamond drilling was completed in 5 holes, and 364.7 metres of overburden drilling in 55 holes.

The Jason claims, also owned by the Ogilvie Joint Venture were staked in August 1974 and July 1975. In 1975, geologic mapping was carried out in addition to geochemical and gravity surveys. Also completed were seven diamond drill holes totalling 640 metres. Results from this initial program resulted in the drilling of 2,163 metres in 14 holes during 1976. The Jason claims are similiar both the Tom and Pete groups in that they also are located within a section of Devono-Mississippian black shales, and have barite-lead-zinc mineralization.

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B) GEOLOGY

I General Geology and Stratigraphy

The J.K. Claims lie within the eastern margin of the Selwyn Basin tectonic province, located in the southern Selwyn Mountains, and appear to lie on the western margin of a synsedimentry graben structure. This graben structure was formed during Lower Earn time, and is referred to as the MacMillan Pass Graben.

Stratigraphy on the property is primarily comprised of a middle Paleozoic package of clastic sediments known as the Earn Group (Figure 4 & 5; Plate 2). The oldest rocks exposed on the property belong to the transitional facies of the Road River Formation, which in turn are overlain by the Earn Group.

The Road River Formation (OSDpt on the J.K.) is comprised of a thick sequence of black, carbonaceous graphitic shales, black limey shales, black to tan limestones and bedded chert. The black carbonaceous shales host the Howards Pass stratiform lead-zinc deposit. Deposition of this formation is interpreted to have taken place gradually within a widespread, quiescent, deep marine basin. Within the uppermost part of the Road River Formation is a sequence of non-calcareous argillites and siltstones. It is the appearance of these coarser clastics that may be the first real evidence of any tectonic instability related to the formation of the MacMillan Pass Graben. This change in sedimentation marks the lower boundary of the Earn Group. At the Road River Formation, Earn Group boundary there is a hydrothermal event which is represented by a bedded barite deposit. This barite horizon is also visable on the Moose property (Figure 2). Actual contact relationships between the Road River Formation and the Earn Group is diachronous, due to facies changes.

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The Earn Group is characterized by well defined units composed of shale, chert, quartz sandstone, grit and chert pebble conglomerate. The Earn Group has been divided into an Upper and Lower component. The Lower Earn Group (muDpt and muDps on the J.K.) is locally representative of the Devonian and is regionally characterized by its predominate gun-blue weathering shale and chert. The upper contact of the Lower Earn Group is unconformable. The Upper Earn Group (Msp on the J.K.) encompasses late Devonian to middle Mississippian strata, and is characterized by brown weathering shale and local chert beds. The upper contact of the Upper Earn Group lies at the base of a widespread shallow marine quartz sandstone. It has been observed that within the Earn Group that thickness and facies changes are dramatic, and that local unconformities cut out significant thicknesses of strata.

On the J.K. Claims, the Lower Earn Group is represented by the muDpt units. The muDpt unit consists of a sand banded argillite facies made up of interbedded fine grained sandstones, siltstones and argillite. This unit is believed to represent a lower fan facies. The lower sections of the muDpt unit consists of black graphitic to siliceous shale that weather a characteristic light brown to silvery brown colour. Within the upper portion of the unit are four black weathering, dark grey, fetid limestone beds. These fetid limestone beds have been identified on both the Pete and Moose Claims, and in talus at two locations on the J.K. Claims. They were also intersected in diamond drill hole DDH75-8 on the Jason property. The muDps unit consists of a brown weathering, thinly laminated grey shale and siltstone, sandstone and grit.

The major mineralization event within the MacMillan Pass region is located in the upper Lower Earn Group, which hosts the Jason Main Zone and the Tom West Zone. The mineralization is in the form of bedded galena-sphalerite-barite. The bedded, laminated barite located on the

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J.K. Claims is believed to lie within the lower Earn Group, the exact stratigraphic location has yet to be determined.

On the J.K. Claims, the Upper Earn Group is represented by the Mps unit, and appears to have a conformable contact with the Lower Earn Group. The Mps unit on the J.K. Claims consists of a resistant dark brown weathering, thin to medium bedded ripple cross-laminated and plane parallel laminated sandstone and siltstone with interbedded silty the MacMillan Pass Region. This unit of the upper Earn Group displays "classic" turbidite and/or contourite textures and structures, that grade stratigraphically upward into a more proximal turbidite unit.

The entire Middle Paleozoic sedimentry succession has been intruded by a mega-crystalline, biotite, hornblende, quartz monzonite of Cretaceous age. As a result, the sedimentary package has been folded and faulted. Thermal alteration of sediments near the intrusive contact is minimal, less than 100 metres.

A recent iron rich conglomerate is found to coat most stream bottoms within the claim group. This ferrogenous conglomerate can also be found on hill sides at elevations of 1,800 metres. Thickness of this conglomerate ranges from a thin veneer to several metres. Also, a recent calcrete, or calcium-rich cold spring deposit is found to occur locally on the claims.

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FIGURE 4

Stratigraphic Column

PLEISTOCENE TO RECENT	Ferrocrete conglomerate, calcrete, and unconsolidated glacial and alluvial deposits.
LATE DEVONIAN - MIDDLE MISSISSIPPIAN	
UPPER EARN GROUP	
Msp	Resistant, brown weathering, thick bedded, ripple cross-laminated sandstone, siltstone and shale overlain by recessive blue weathering siliceous shale; in turn overlain by resistant dark brown weathering thin-bedded, dark grey shale and silty shale.
---------- UNCONFORMITY ----------	
MIDDLE DEVONIAN - LATE DEVONIAN	
LOWER EARN GROUP	
muDpt	Talus forming, silver blue weathering, platy siliceous shale, minor chert and rare thin 2-5 centimetre thick beds of coarse grained limestone and platy grey weathering barite in beds less than one metre thick.
muDps	Brown weathering thinly laminated grey shale and siltstone with minor chert, quartz sandstone and grit.
---------- UNCONFORMITY ----------	
ORDOVICIAN, SILURIAN - EARLY DEVONIAN	
ROAD RIVER FORMATION	
OSDpt UPPER DIVISION	Buff to tan weathering platy, silty limestone.
MIDDLE DIVISION	Orange to green weathering bioturbated, wispy laminated green shale and mudstone.
LOWER DIVISION	Brown weathering, medium bedded chert overlain by silver to dark blue weathering, thin bedded black chert and siliceous shale.

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FIGURE 5

COMPARATIVE TERMINOLOGY FOR DEVONIAN AND MISSISSIPPIAN CLASTIC ROCKS

K. Dawson 1974, 1977 MacMillan Pass Region	Carne 1976 MacMillan Pass Region	M.P. Cecile 1980 N.E. Niddery Lake Region	J.P. Gondy 1981, 1982 Nahanni and Sekwi Map Areas	J.G. Abbott 1982 MacMillan Pass Region
		CP_Q		
Black Clastic Group; Imperial Formation	Unit 4	CP SH_1 DMu	Black Clastic Upper Earn Group	Msp Upper Earn Group
Canol Formation	Unit 3	D_3	Siliceous Shale	muDps
				muDps
	Unit 2		Lower Earn Group	Lower Earn Group
	Unit 1	D_2		
				OSDpt Road River Group

II Structure

The MacMillan Pass area is located within a broad belt of northwesterly trending open to isoclinally folded Paleozoic sediments, that is referred to as the MacMillan Fold Belt. The MacMillan Fold Belt consists of three parallel, elongate sections which are known as the North, Central and Southern Blocks. It is believed that these blocks are representative of Devonian faulting events. The J.K. Claims are found within the Southern Block, which is characterized by open, upright folds and few faults. Folds on the J.K. Claims have been found to plunge 10° - 30° to the northwest, with axial trends of 300°. Some of the folds are asymmetrical, and even overturned in a few cases. Faulting on the J.K. Claims tends to be near parallel to the axial planes of both anticlines and synclines.

Centrally located on the claim group is a large anticlinal structure which has pronounced secondary parasitic folds on each limb, some of which are overturned (Plate 2). It is within the core of this anticline that the barite horizon occurs within the lower Earn Group. A quartz monzonite pluton in the southwest corner of the claim group is responsible for isoclinal folding close to the contact with the sedimentary package.

Most or all of the structures within the MacMillan Fold Belt appear to be related to the regional Jura-Cretaceous deformation event, but the marked contrast in structural style within each block of the belt and the coincident changes in Devonian stratigraphy indicate that deformation was influenced by Devonian faulting. Faulting is considered rather than folding, because there is no local or regional evidence for Devonian folding, and the strata within the Road River Formation and the Lower Earn Group are representative of deposits found within a rift, or block faulted environment.

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III Mineralization

Mineralization on the J.K. Claims consists of laminated and nodular baritic sediments that are located within the lower Earn Group, and are representative of hydrothermal activity. To date, the laminated barite horizon has been found in one location on the property, and has a strike length of approximately two kilometres, with thicknesses varying from 3 to 10 metres (Plate 2). This laminated barite horizon is found to contain local accumulations of interlaminated pyrite, which becomes more abundant in the southeastern extent of the horizon. Also, within the southeastern and northwestern extent of the horizon, accumulations of lead, zinc and silver are found.

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C) GEOCHEMISTRY

I Soil Sampling

Surface soil sampling on the J.K. Claims posed several possible problems which could be related to erroneous sampling techniques or surface environmental conditions which could adversely affect geochemical dispersion in soils.

Samples were obtained from the 'A', 'B' or 'C' soil horizons, with the 'B' horizon being an immature soil developed over a volcanic ash layer. Several stations were not sampled during the 1982 program because of poor soil development, or due to the presence of organic rich soils along bog margins. The presence of calcrete, a calcium rich cold spring deposit, in localized areas negates the usefulness of surface soil geochemistry. Also, the presence of ferrocrete, an iron rich recent conglomerate that occurs principally in valleys on drainage bottoms, profoundly affects the usefulness of surface soil geochemistry.

A total of 21 humus, 229 'A' horizon, 56 'B' horizon and 89 'C' horizon samples were collected and analyzed for lead, silver, zinc and barium. Soil samples were sent to Bondar-Clegg in Vancouver for analysis. Minimum analytical detection ranges are as follows: lead, minimum value of 2.00 ppm; zinc, minimum value of 2.00 ppm; silver, minimum value of 0.20 ppm; barium minimum value of 170.00 ppm.

A computer generated simple statistics program for the soil samples and the relevant histograms showing element distributions by concentration are included in Appendix A. Histograms were generated using "trimmed" data, that is, samples containing extraordinary concentrations of elements were deleted from the calculations, so as not to

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unduly bias the statistics upward. For this reason, the number of observations listed in the histograms and statistics will not match the total number of samples in the data listings.

Examination of the data reveals a very strong lead-silver association with a minor, erratic lead-zinc association. Barium and zinc do not appear to have any definite association and should be considered independant from each other. The geochemical line plots indicate that the soil geochemistry may be a direct indicator of underlying rock geochemistry, as will be discussed later.

The high barium (+20,000 ppm) anomalies on the end of Line 16+00W would indicate an extension southeastward of the original barite horizon. While the high barium (20,000 ppm) anomalies at the beginning of 16+00W and 45+00W are attributed to a spotted barite horizon. The high barium (+20,000 ppm) anomaly at the end of Line 45+00W prompted further investigation in the area, which revealed a northwest extension of the barite horizon. This barium high on Line 45+00W is also associated with anomalous lead and silver values.

The high zinc (+150 ppm) anomalies found on Line 0+00W and 2+00W are directly attributed to underlying Road River Formation strata.

II Stratigraphic Sections and Rock Geochemistry

During 1982, three stratigraphic sections were measured (Figure 6, 7 and 8; Plate 3) and continuous two metre chip sampled were taken on each section (Table 2, 3 and 4). This was done in order to aid in the determination of a stratigraphic framework of the claims, and to determine whether there is a geochemical signature for each lithologic unit. If a geochemical signature is found to exist, then the interpretation of soil geochemistry can be carried out. Geochemical line plots for

.../22

each section (Figure 9 and 10) and each line, from which soil samples were obtained (Figures 11 to 17,), have been constructed.

III Discussion

A good comparison can be made between the rock chip geochemistry from Section #1 and Section #3 in that there is a continuous chip sample from the Road River Formation through to the Upper Earn Group, with an overlapping section of the Lower Earn Group. The sections can be joined at the 120 metre point on Section #1 and the 44 metre point on Section #3. Section #2 is disregarded due to the lack of several data points.

With respect to the rock chip geochemistry, it is believed that the soil samples taken on Lines 0+00W and 2+00W are representative of mineralization found within the Upper Road River Formation. This conclusion is based primarily on the zinc analysis. It appears though, that the line may end near the contact between the Road River Formation and the Lower Earn Group. Soil samples from Lines 16+00W, 18+00W and 36+50W all appear to be representative of the Lower Earn Group, due to the low, erratic zinc and a consistant lead-silver median. Of interest is the anomalous barium and zinc readings from the end of Line 16+00W, which is identifying the southeast continuation of the barite horizon. This same association of barium-zinc, and in this case also lead-silver, can be seen at the end of Line 45+00W. Further investigation in the area around the end of Line 45+00W yielded a northwest extension of the barite horizon. Also of interest is the high barium values located near the start of Line 16+00W and 45+00W. On Line 16+00W, spotted barite in shale was identified in this area, so it may be assumed that this spotted barite horizon is continuous to Line 45+00W.

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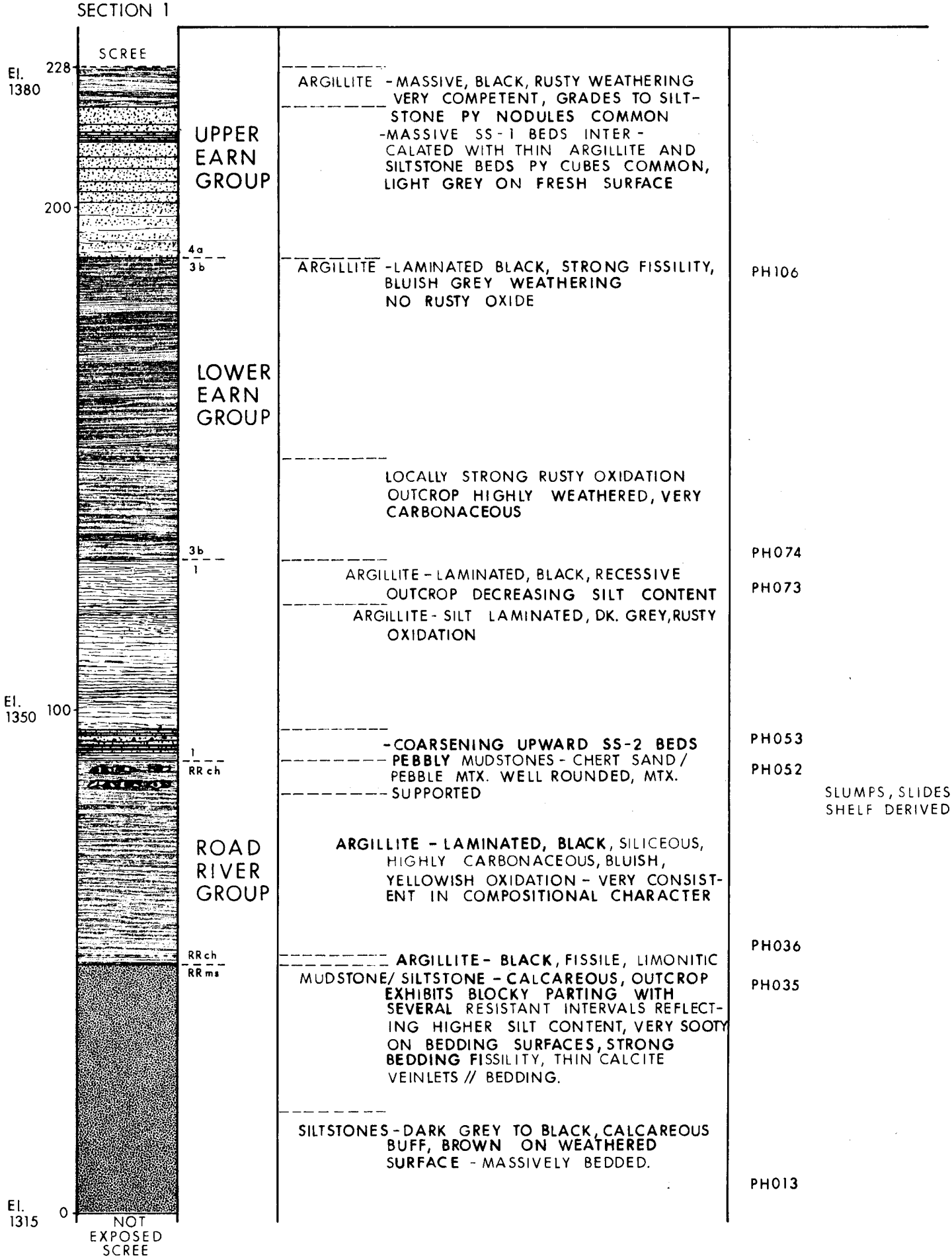
STRATIGRAPHIC SECTION - JK CLAIMS

HOSHI MOUNTAIN SOUTH
BLACK CANYON CREEK

FIGURE 6

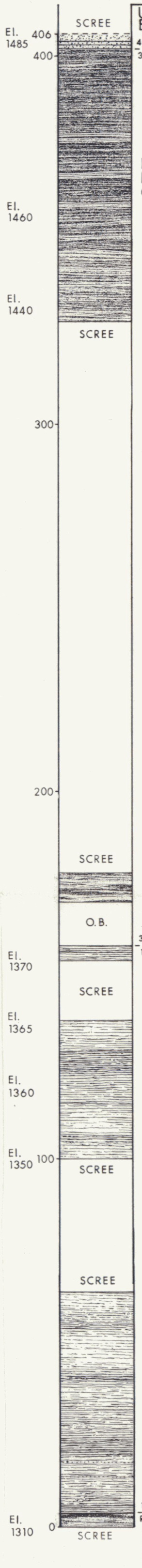


STRATIGRAPHIC SECTION - JK CLAIMS

HOSHI MOUNTAIN EAST

FIGURE 7

SECTION 2



- MASSIVE BEDDED SS, 1 - 1.5 m THICKNESS - PLANE PARALLEL BED'G THIN BEDDED SILICEOUS GREY SHALE — ABC008

ABC007

BLOCKY WEATHERING, PARTING PLANES 15 - 20 cm - STRONG TO MODERATE BEDDING FISSILITY

BLUISH WEATHERING FISSILE SHALES, LAMINATIONS PRODUCE STRONG BEDDING FISSILITY — ABC006

BLACK FISSILE CARBONACEOUS SHALE, SLIGHTLY RUSTY OXIDATION ON FRESH OUTCROP

BLACK SILICEOUS SHALE, WEATHERS DARK GREY - SOME RUSTY OXIDE — ABC005

DARK GREY WEATHERING SHALES - FINE LAMINATIONS PRESENT - NOTICEABLE DECREASE IN AMOUNT OF SILT

GOOD OUTCROP EXPOSURE - DARK GREY WEATHERING SHALES - WELL DEVELOPED PLANAR SILT LAMINATIONS - STRONG PENETRATIVE CLEAVAGE — ABC004

SILT BANDED ARGILLITES, DARK GREY WEATHERING, VERY FISSILE

SILT BANDS .5 - 1 cm WITH SMALL CROSS LAMINATIONS
VERY FINE SILT LAMINATIONS — ABC003

BLACK FISSILE SHALES - REDDISH BROWN RUSTY OXIDATION — ABC002

PEBBLY MUDSTONE UNIT IN SCREE - EVIDENCE OF TRANSPORTED FOSSILS — ABC001

DK. GREY SILICEOUS W'TH'R'G SHALES, HIGHLY GRAPHITIC ALONG WELL DEV'L'D BEDDING FISSILITY - YELLOWISH GREEN RUSTY OXIDE ON W'TH'D SURFACE, DK. GREY ON WET

STRATIGRAPHIC SECTION - JK CLAIMS

HOSHI MOUNTAIN NORTHWEST

FIGURE 8

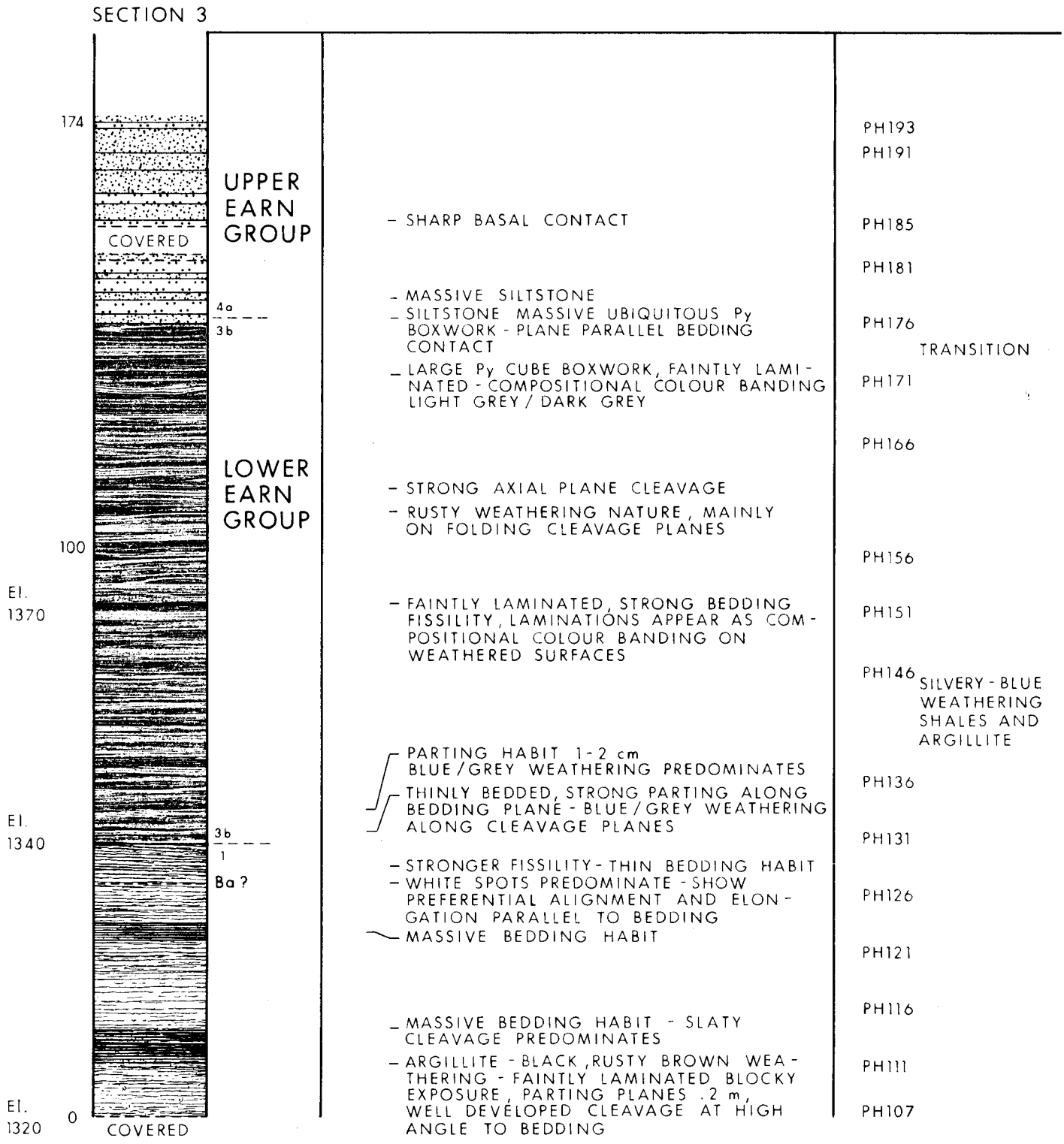


TABLE 2

Rock Chip Geochemistry: Section #1

SOUTH SECTION, HOSHI MOUNTAIN; BLACK CANYON

SAMPLE NUMBER	FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
PCH0013	Road River Formation	7	142	1.2	1050
14	" " "	7	339	1.2	1320
15	" " "	5	174	1.0	970
16	" " "	6	389	1.2	1140
17	" " "	5	134	0.8	980
18	" " "	5	297	1.1	1030
19	" " "	6	324	1.1	1030
20	" " "	4	268	0.8	830
21	" " "	10	295	1.6	1280
22	" " "	6	337	0.8	920
23	" " "	7	670	1.4	1410
24	" " "	7	318	1.3	1290
25	" " "	14	268	1.6	1790
26	" " "	11	410	1.5	1710
27	" " "	6	282	1.2	1190
28	" " "	5	775	1.2	1030
29	" " "	5	670	1.2	1350
30	" " "	4	850	0.8	960
31	" " "	3	1120	0.8	1060
32	" " "	7	1210	1.0	1300
33	" " "	8	545	1.0	1550
34	" " "	11	27	1.0	2070
35	" " "	9	17	0.8	2050
36	" " "	12	23	1.0	2220
37	" " "	12	770	1.0	1730
38	" " "	16	525	1.5	2710
39	" " "	14	299	1.0	2440
40	" " "	11	1360	1.0	1830
41	" " "	14	137	1.0	890
42	" " "	6	885	1.0	1160
43	" " "	5	21	0.7	980
44	" " "	11	18	1.4	1560
45	" " "	15	10	0.8	1670
46	" " "	30	6	1.5	2380
47	" " "	26	24	0.3	2320
48	" " "	8	54	0.3	2240
49	" " "	8	23	0.5	2150
50	" " "	10	21	0.3	2210

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Table 2 (Continued)

SAMPLE NUMBER	FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
PCH0051	Road River Formation	7	17	0.3	2180
52	" " "	9	29	0.4	2100
53	" " "	6	15	0.3	2120
54	Lower Earn Group	14	15	0.5	2010
55	" " "	10	22	0.5	2070
56	" " "	23	44	0.5	1870
57	" " "	20	28	0.7	1660
58	" " "	9	23	0.6	1910
59	" " "	17	23	0.8	2040
60	" " "	18	46	0.2	1990
61	" " "	14	77	0.5	1910
62	" " "	15	82	0.6	1910
63	" " "	4	60	0.6	1860
64	" " "	4	44	0.3	1850
65	" " "	8	64	0.7	1790
66	" " "	17	6	0.4	1940
67	" " "	15	22	0.4	1870
68	" " "	23	6	0.5	1900
69	" " "	14	3	0.3	1990
70	" " "	26	3	0.9	1740
71	" " "	31	3	1.3	1710
72	" " "	30	2	0.7	1710
73	" " "	38	5	1.0	1420
74	Upper Earn Group	18	1	0.8	1530
75	" " "	13	3	0.6	1560
76	" " "	17	4	0.7	1600
77	" " "	13	2	0.7	1610
78	" " "	9	2	0.8	1430
79	" " "	3	4	0.6	1000
80	" " "	7	3	3.6	760
81	" " "	7	1	2.0	680
82	" " "	4	5	0.2	540
83	" " "	5	3	0.7	510
84	" " "	6	4	1.5	590
85	" " "	1	12	0.2	570
86	" " "	5	11	0.3	550
87	" " "	7	16	0.8	550
88	" " "	2	23	0.2	460
89	" " "	5	19	0.4	590
90	" " "	9	7	1.0	580
91	" " "	6	11	0.2	590
92	" " "	4	137	0.6	740

.../28

Table 2 (Continued)

SAMPLE NUMBER	FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
PCH0093	Upper Earn Group	5	129	0.5	650
94	" " "	6	244	1.4	440
95	" " "	3	60	0.4	800
96	" " "	5	29	0.9	740
97	" " "	1	57	0.3	340
98	" " "	1	54	0.3	500
99	" " "	5	49	0.6	650
100	" " "	5	61	1.2	590
101	" " "	10	33	2.6	700
102	" " "	2	73	0.3	440
103	" " "	5	58	0.6	610
104	" " "	9	11	1.4	560
105	" " "	16	15	2.3	760
106	" " "	19	35	2.4	730

.../29

TABLE 3

Rock Geochemistry: Section #2

EAST SECTION, HOSHI MOUNTAIN

SAMPLE NUMBER	FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
ABC0001	Road River	28	5	1.5	1240
02	Lower Earn Group	19	18	0.4	2130
03	" " "	7	24	0.4	1450
04	" " "	10	3	0.2	3460
05	" " "	11	2	1.2	6230
06	" " "	4	3	0.4	1600
07	" " "	6	2	0.3	1070
08	Upper Earn Group	3	10	0.4	1080

.../30

TABLE 4

Rock Chip Geochemistry: Section #3

WEST SECTION, HOSHI MOUNTAIN

SAMPLE NUMBER	FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
PCH0107	Lower Earn Group	12	28	0.3	630
108	" " "	11	59	0.2	480
109	" " "	9	28	0.2	750
110	" " "	13	44	0.2	740
111	" " "	14	57	0.2	790
112	" " "	9	21	0.2	770
113	" " "	13	32	0.2	730
114	" " "	9	28	0.2	620
115	" " "	11	61	0.2	760
116	" " "	9	42	0.2	770
117	" " "	11	15	0.2	750
118	" " "	12	16	0.2	790
119	" " "	9	15	0.2	690
120	" " "	10	25	0.2	710
121	" " "	8	23	0.2	810
122	" " "	7	54	0.2	740
123	" " "	9	30	0.3	800
124	" " "	14	16	0.2	780
125	" " "	12	14	0.4	830
126	" " "	12	2	1.4	990
127	" " "	14	5	1.6	970
128	" " "	16	6	1.2	750
129	" " "	22	3	1.6	730
130	" " "	6	4	1.2	770
131	" " "	7	9	1.3	540
132	" " "	7	8	0.7	560
133	" " "	6	19	0.6	600
134	" " "	13	7	1.5	670
135	" " "	10	8	1.4	770
136	" " "	11	24	2.0	530
137	" " "	12	8	1.5	790
138	" " "	12	12	1.7	720
139	" " "	23	31	3.2	740
140	" " "	9	10	0.9	800
141	" " "	16	15	1.4	970
142	" " "	8	24	1.2	710
143	" " "	16	12	2.0	930
144	" " "	10	18	2.2	880
145	" " "	8	15	0.8	950
146	" " "	10	44	1.4	860

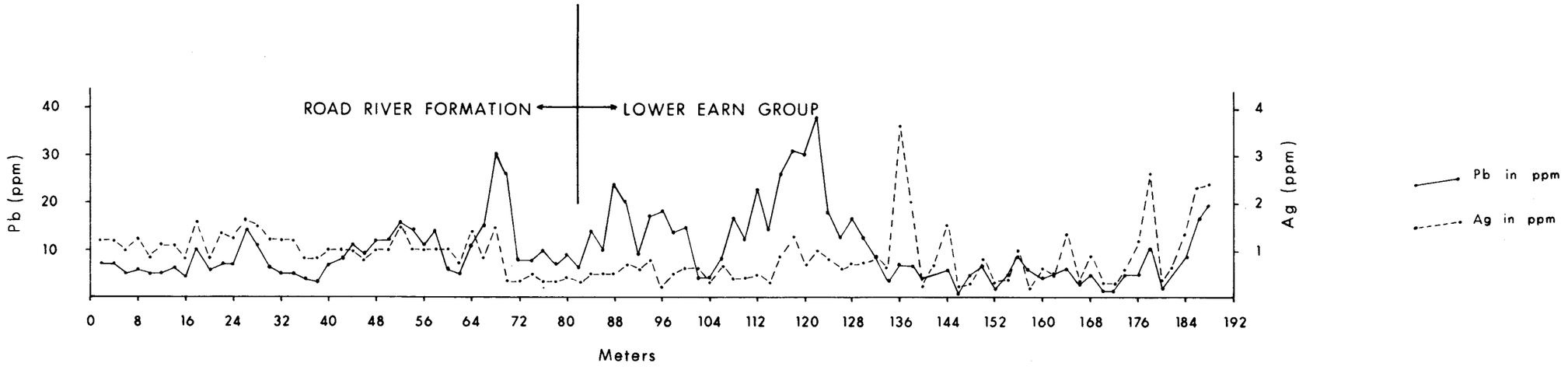
.../31

Table 4 (Continued)

SAMPLE NUMBER	FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
PCH0147	Lower Earn Group	6	12	0.8	880
148	" " "	8	14	0.8	1000
149	" " "	6	18	0.5	980
150	" " "	12	25	0.5	1000
151	" " "	9	21	0.8	1120
152	" " "	9	16	0.4	1170
153	" " "	6	7	0.2	1250
154	" " "	9	15	0.4	960
155	" " "	10	11	0.2	1150
156	" " "	7	7	0.2	930
157	" " "	19	27	0.2	1210
158	" " "	12	26	0.4	1360
159	" " "	25	48	0.8	1530
160	" " "	18	42	0.4	1450
161	" " "	18	27	0.4	1610
162	" " "	8	12	0.2	1990
163	" " "	12	9	0.2	2340
164	" " "	11	10	0.3	2350
165	" " "	9	19	0.2	2620
166	" " "	16	26	0.3	2520
167	" " "	9	13	0.2	2610
168	" " "	15	43	0.2	2390
169	" " "	9	30	0.2	2740
170	" " "	15	15	0.2	2740
171	" " "	11	32	0.2	2850
172	" " "	11	36	0.2	2730
173	" " "	15	13	0.2	3060
174	" " "	14	9	0.2	3230
175	" " "	14	39	0.2	2910
176	" " "	11	36	0.2	3010
177	" " "	11	43	0.2	3680
178	" " "	16	18	0.2	3770
179	" " "	18	16	0.2	3950
180	" " "	15	15	0.2	2660
181	" " "	25	27	0.2	2120
185	Upper Earn Group	19	25	0.2	2390
186	" " "	10	23	0.2	2400
187	" " "	13	15	0.2	3050
188	" " "	8	35	0.2	1530
189	" " "	4	47	0.2	2590
190	" " "	7	61	0.2	1540
191	" " "	4	40	0.2	2290
192	" " "	7	160	0.2	860
193	" " "	8	84	0.2	1770

.../32

SOUTH SECTION, HOSHI MOUNTAIN, BLACK CANYON
CONTINUOUS CHIP SAMPLE AT TWO-METER INTERVALS



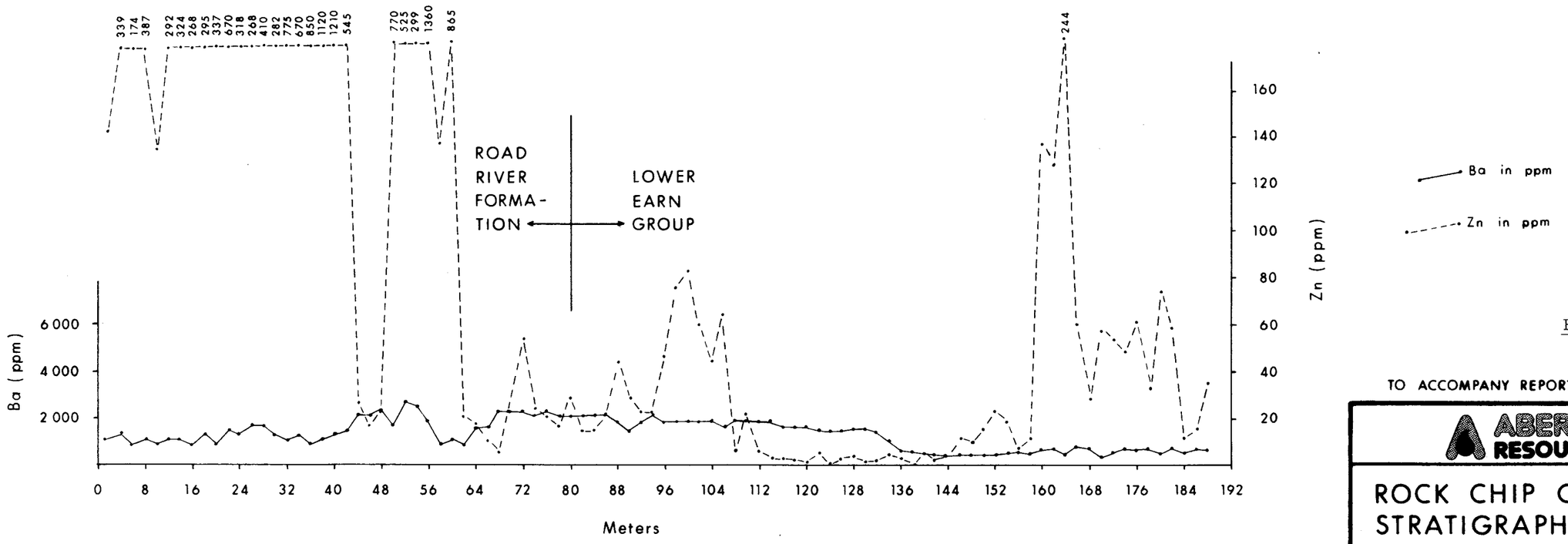


FIGURE 9

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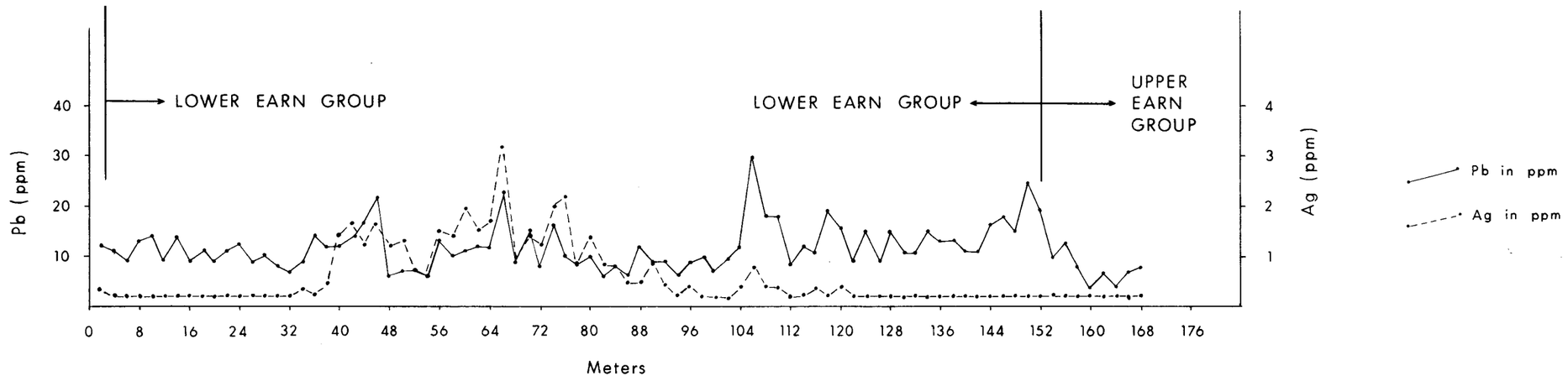
ROCK CHIP GEOCHEMISTRY STRATIGRAPHIC SECTION 1

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	———	105 O/1	B-1922

JCC

WEST SECTION, HOSHI MOUNTAIN
CONTINUOUS CHIP SAMPLE AT TWO-METER INTERVALS



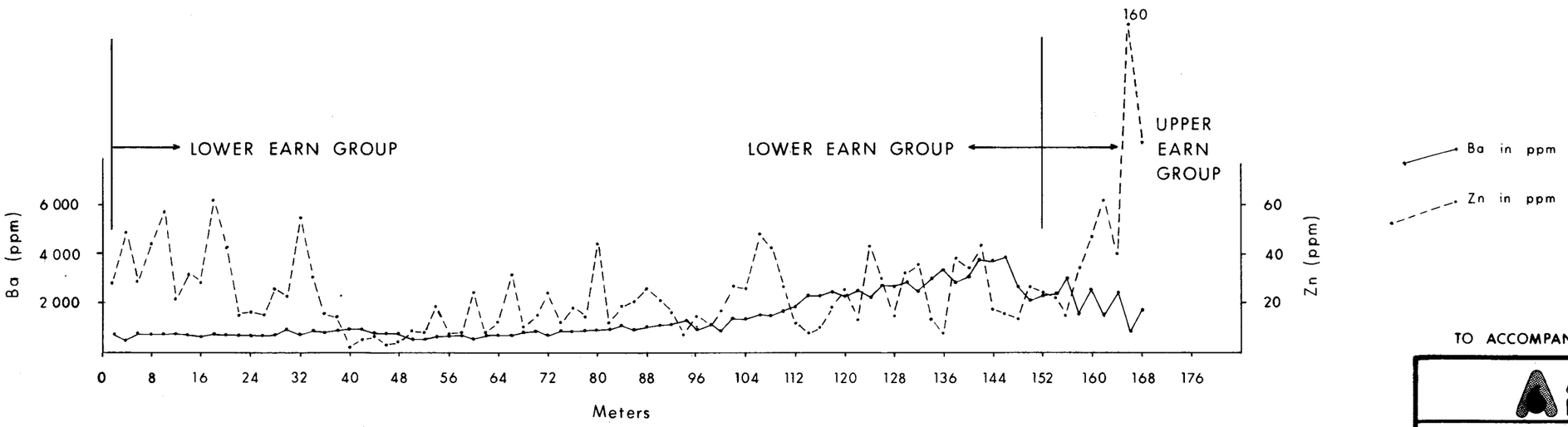


FIGURE 10

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ABERFORD RESOURCES LTD.

ROCK CHIP GEOCHEMISTRY
STRATIGRAPHIC SECTION 3

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	———	105 O/1	B-1923

JCC

LINE 36 + 50 W

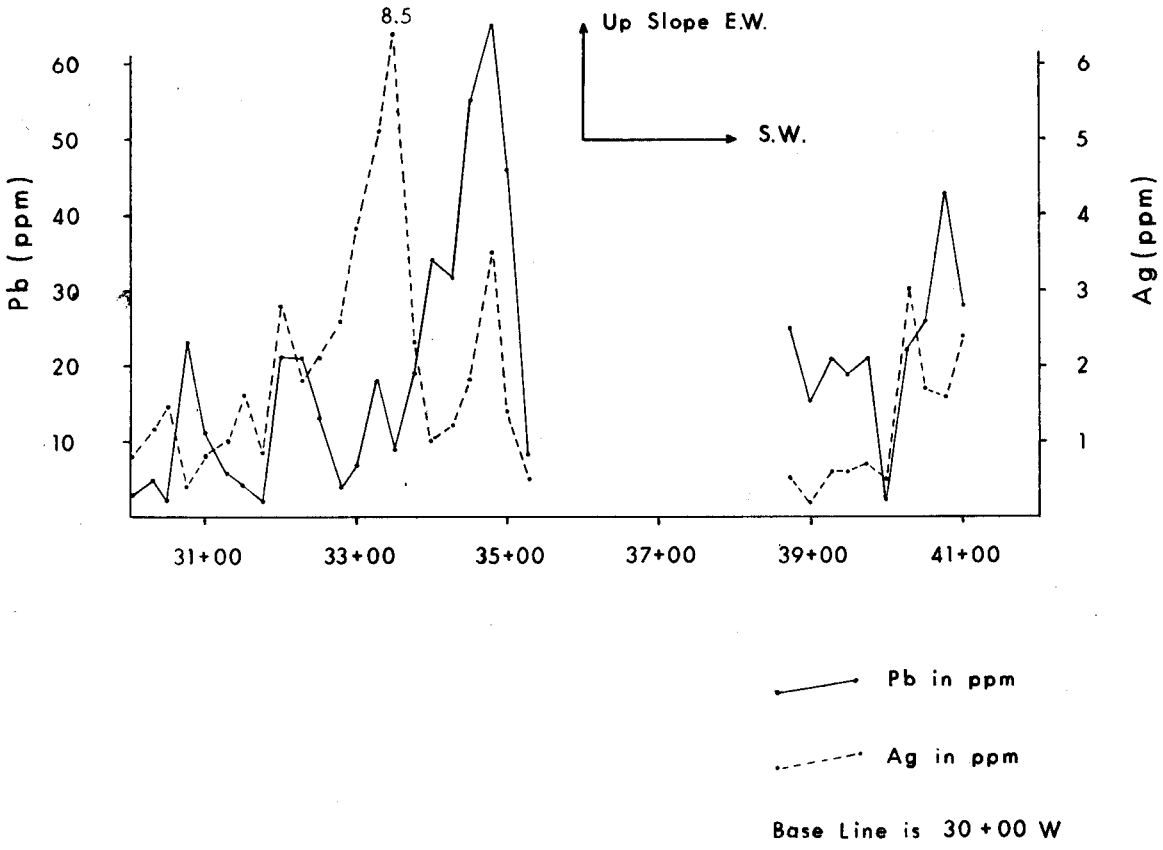

FIGURE 11

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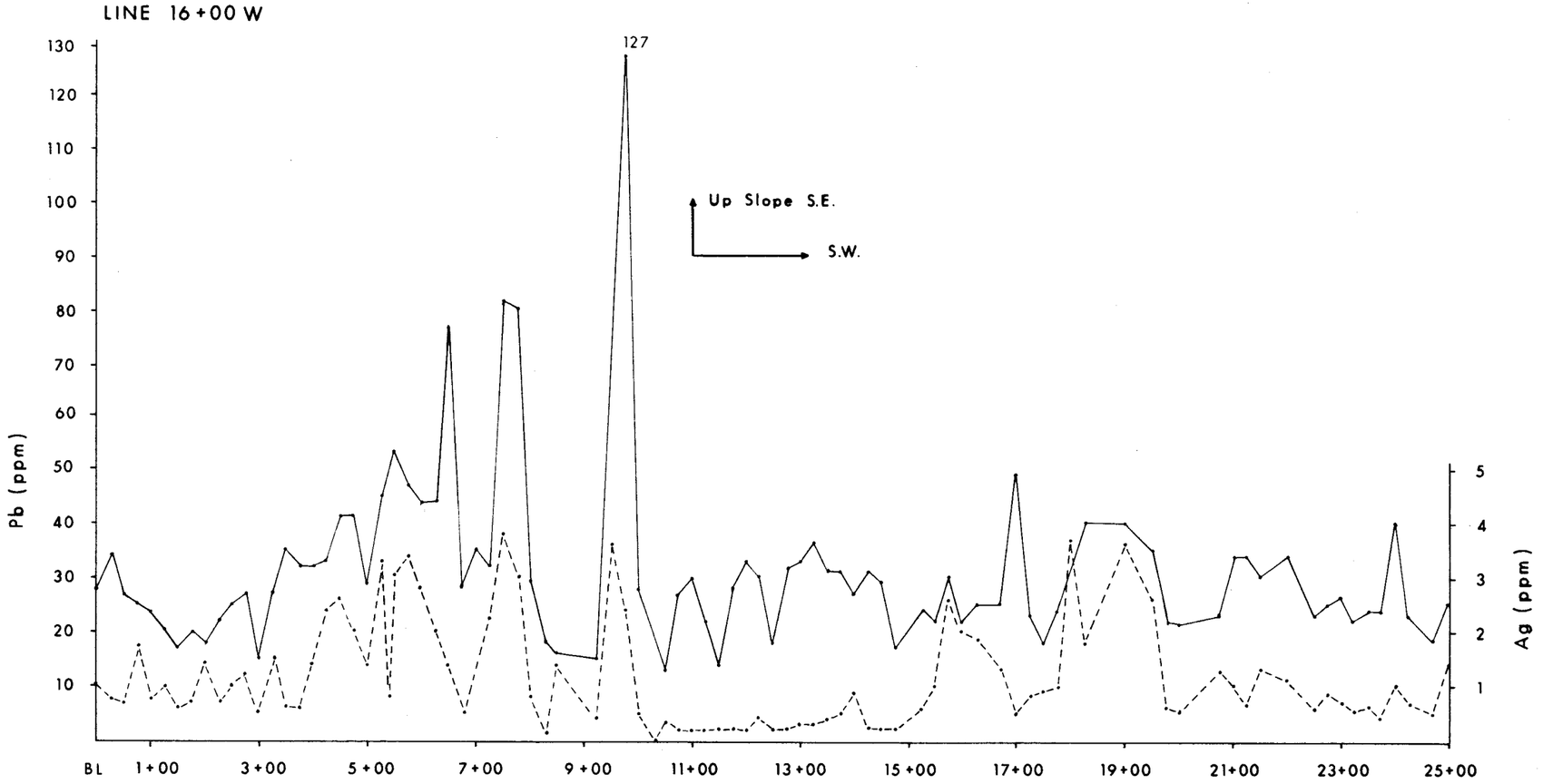
ABERFORD RESOURCES LTD.

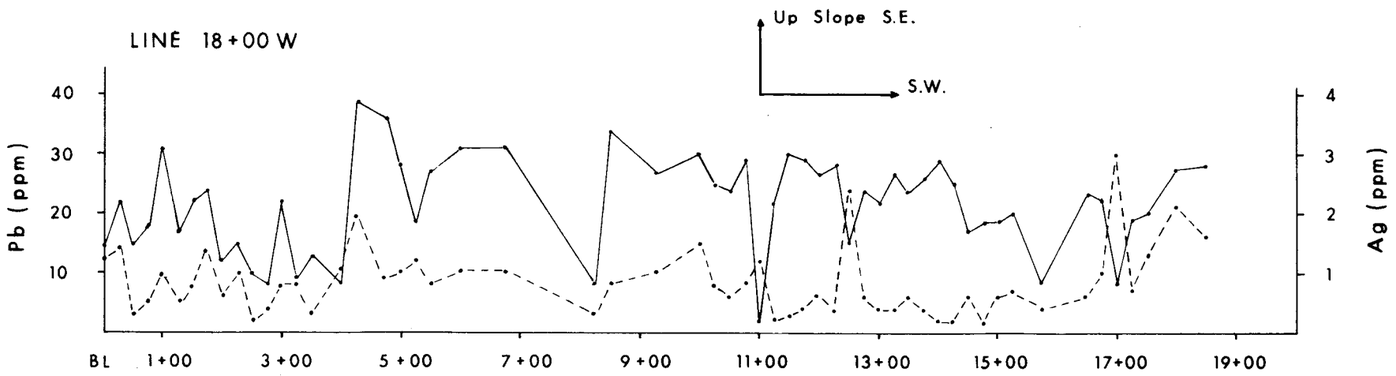
GEOCHEMICAL LINE PLOT

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	——	105 O/1	A-1920

JCC





Pb in ppm

Ag in ppm

FIGURE 12

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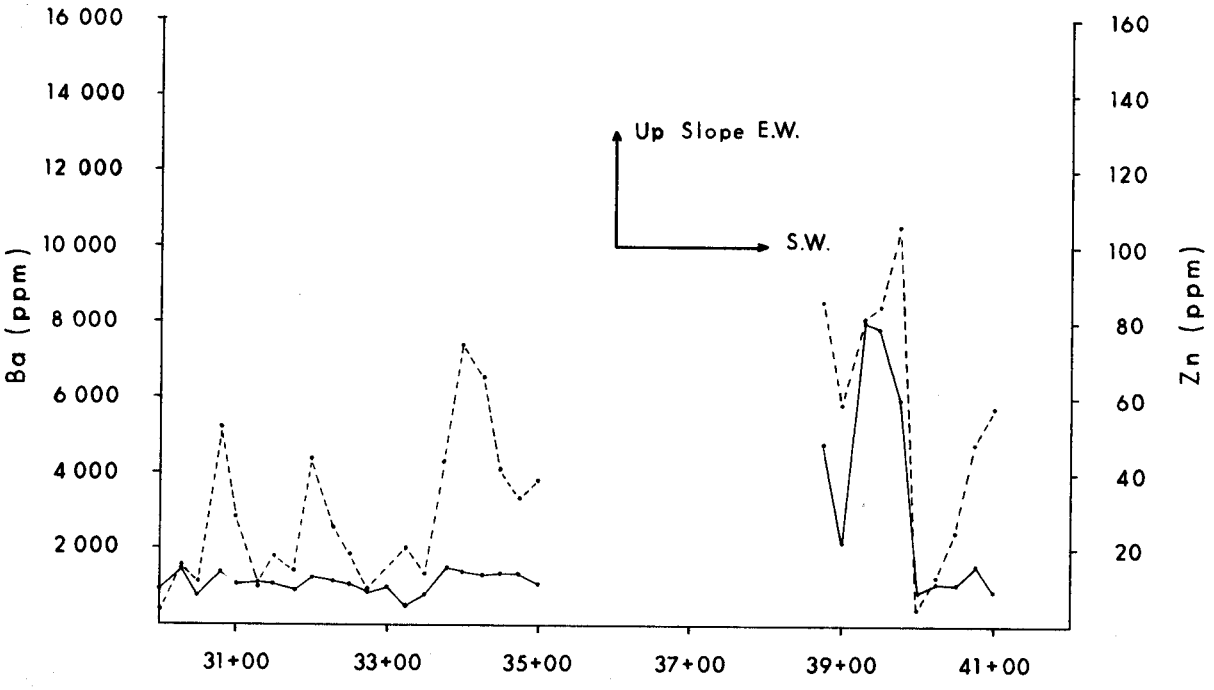
GEOCHEMICAL LINE PLOT

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC.,1982	——	105 O/1	B-1917

JCC

LINE 36 + 50 W



Zn in ppm

Ba in ppm

Base Line is 30 + 00 W

FIGURE 13

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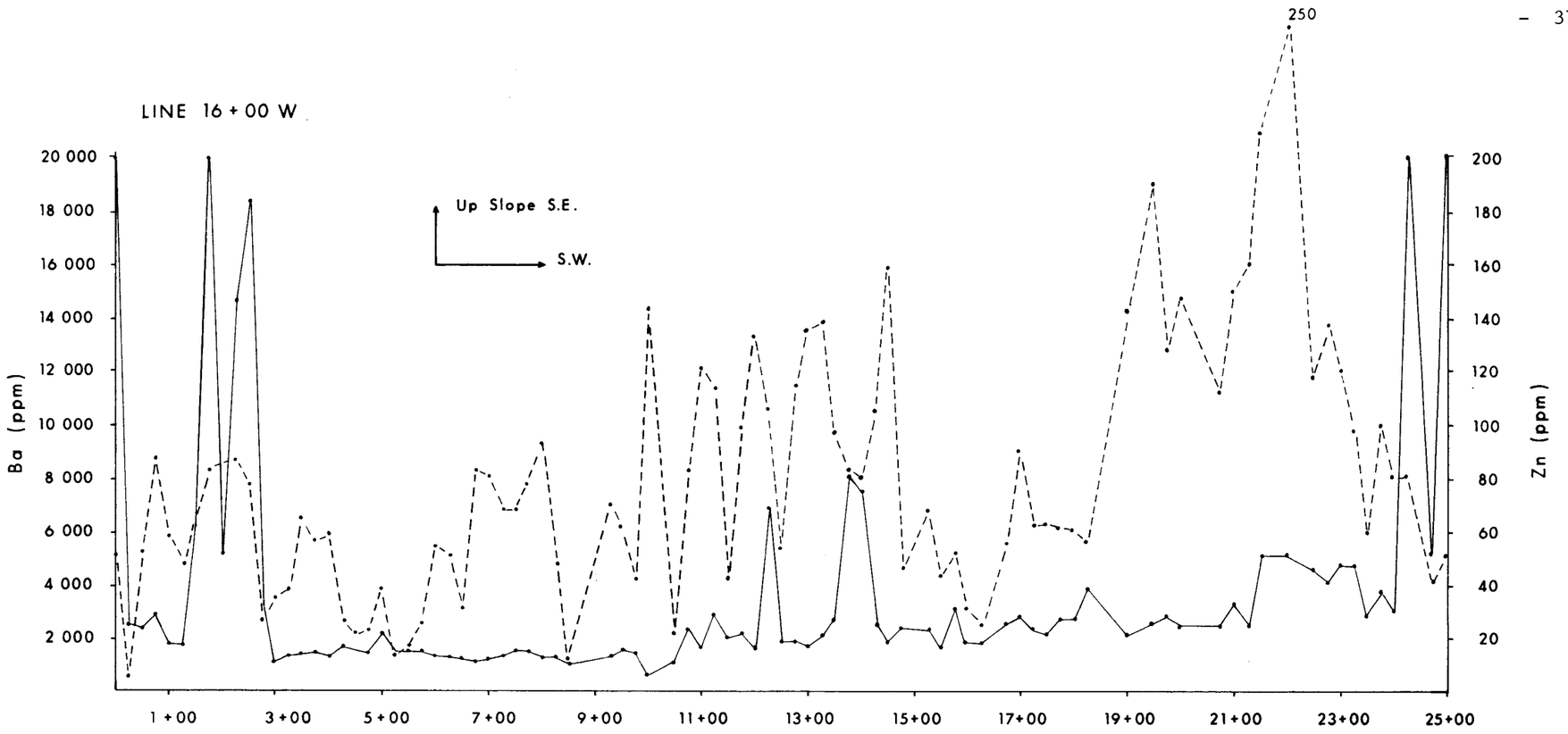
GEOCHEMICAL LINE PLOT

JK PROJECT, 1982

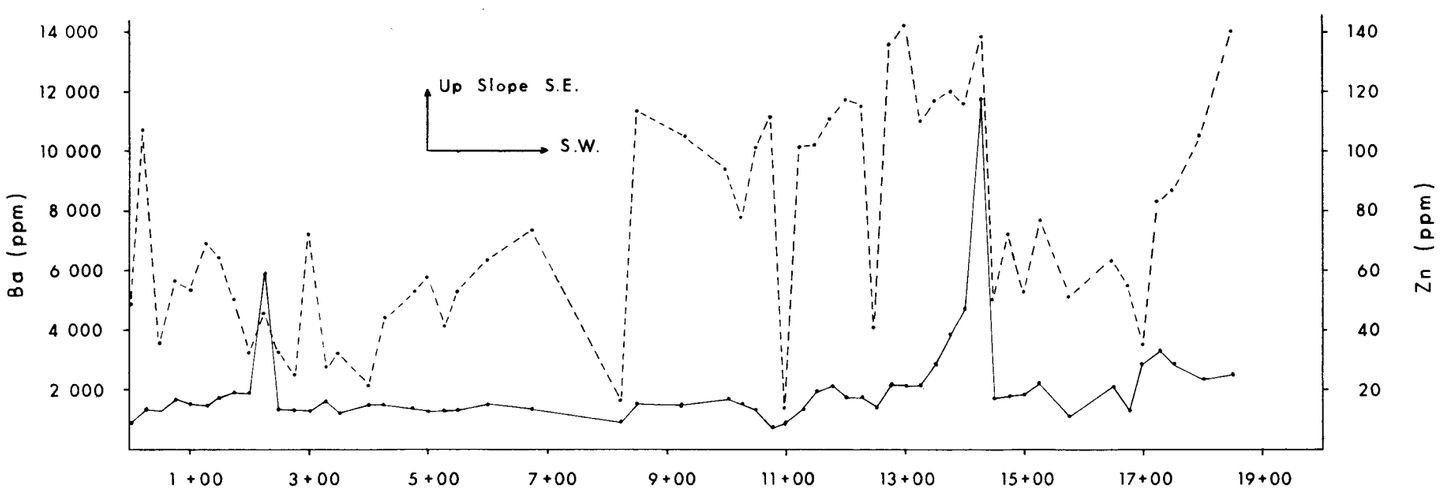
DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	——	105 O/1	A-1919

JCC

LINE 16 + 00 W



LINE 18 + 00 W



Ba in ppm

Zn in ppm

FIGURE 14

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GEOCHEMICAL LINE PLOT

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC. 1982	——	105 O/1	B-1918

JCC

LINE 0 + 00 W

LINE 2 + 00 W

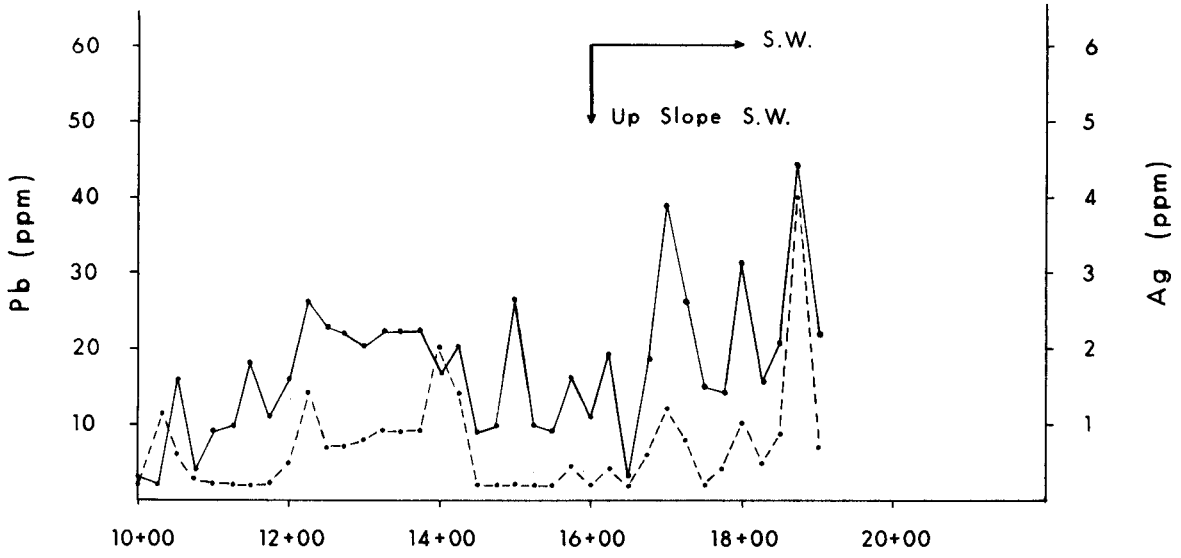


FIGURE 15

Pb in ppm

Ag in ppm

TO ACCOMPANY REPORT NO 27-82 BY J.D.K.

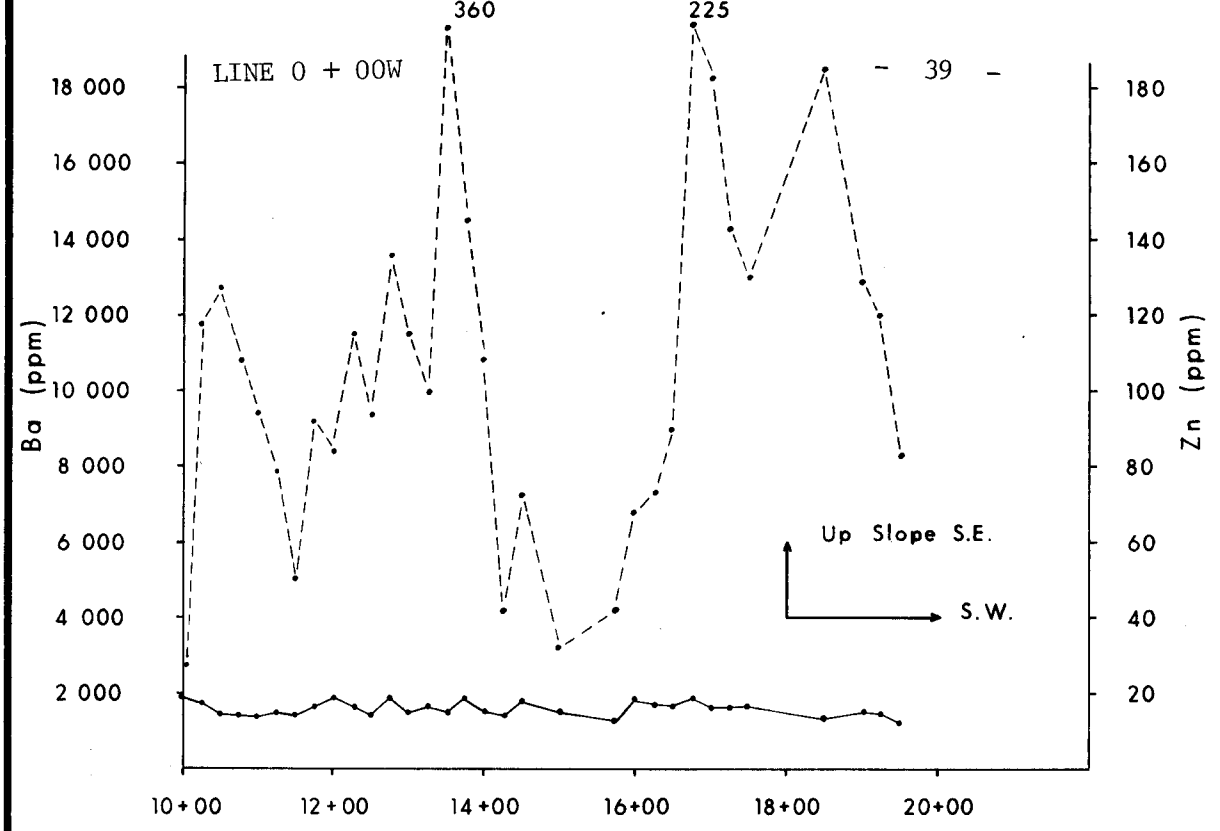
ABERFORD RESOURCES LTD.

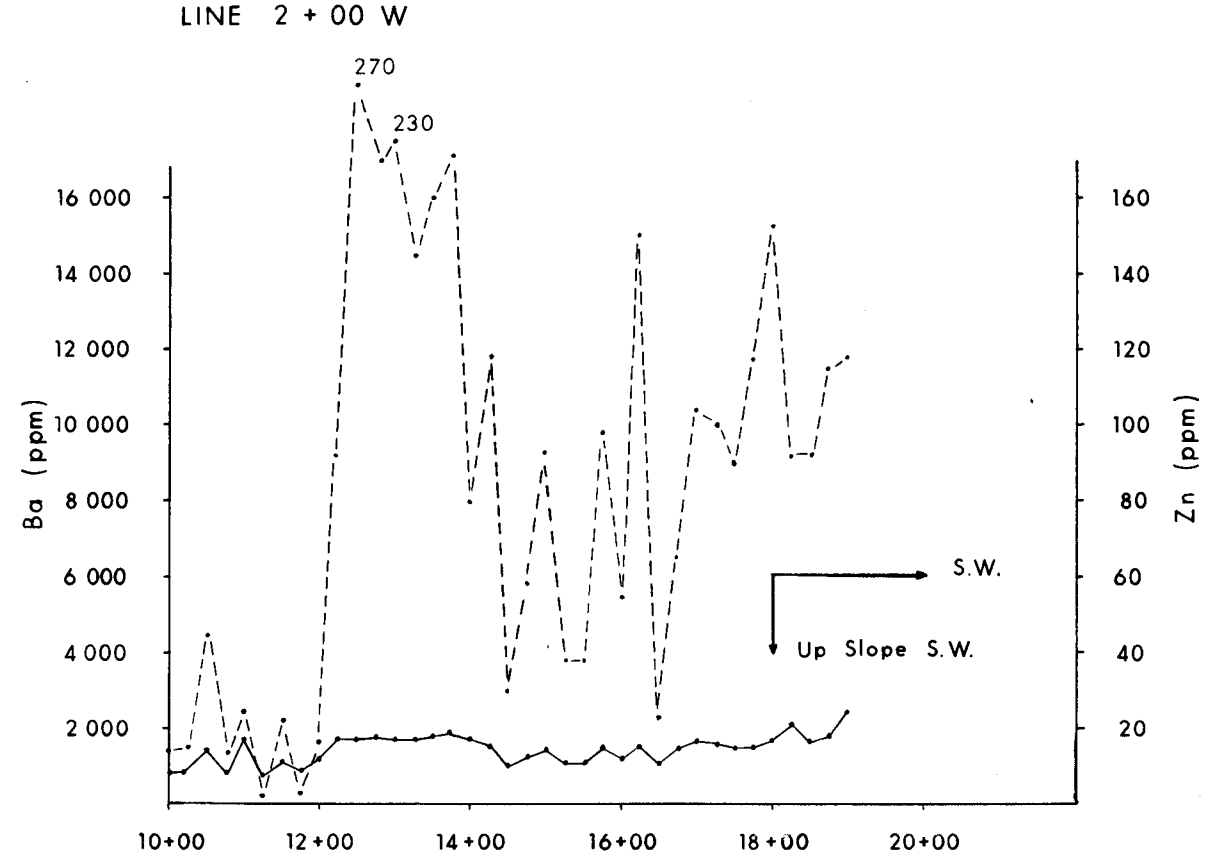
GEOCHEMICAL LINE PLOT

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	——	105 O/1	A-1915

JCC





TO ACCOMPANY REPORT NO 27-82 BY J. D. K.

Ba in ppm

Zn in ppm

ABERFORD RESOURCES LTD.

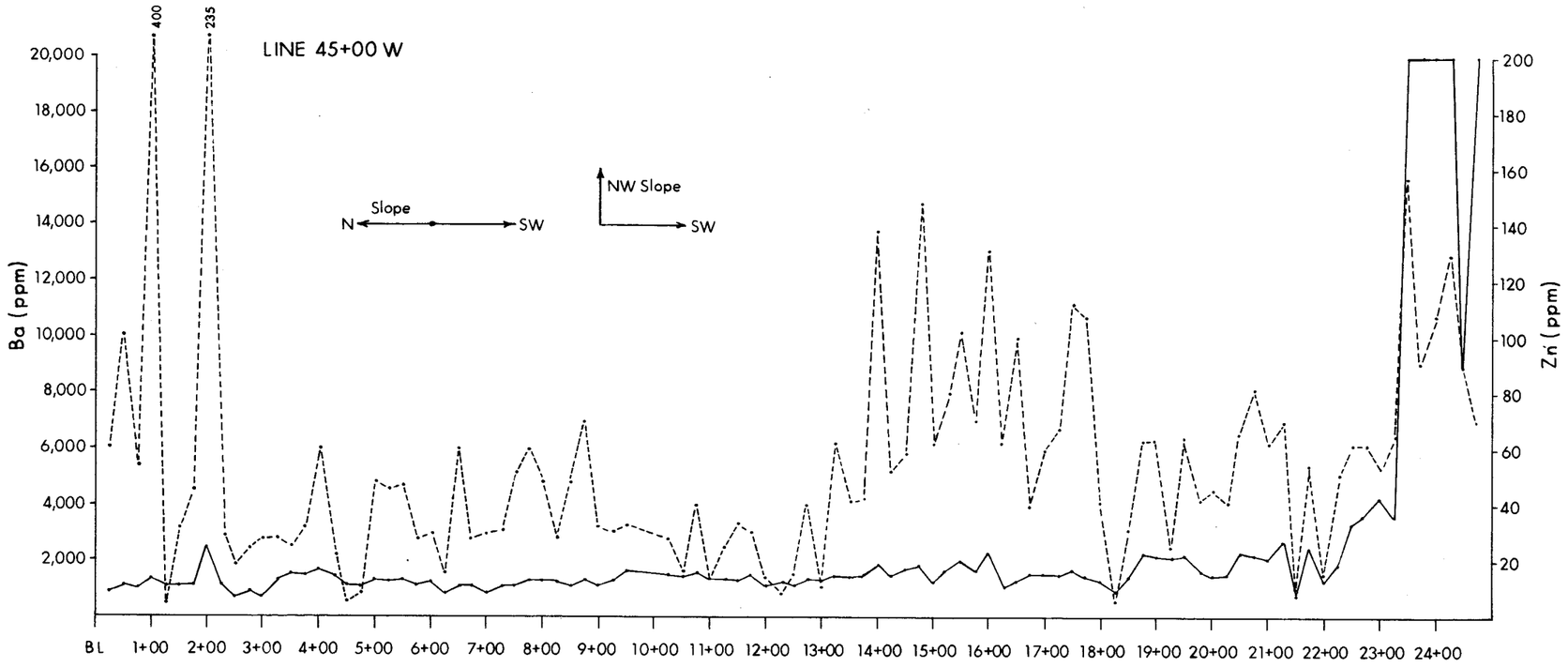
GEOCHEMICAL LINE PLOT

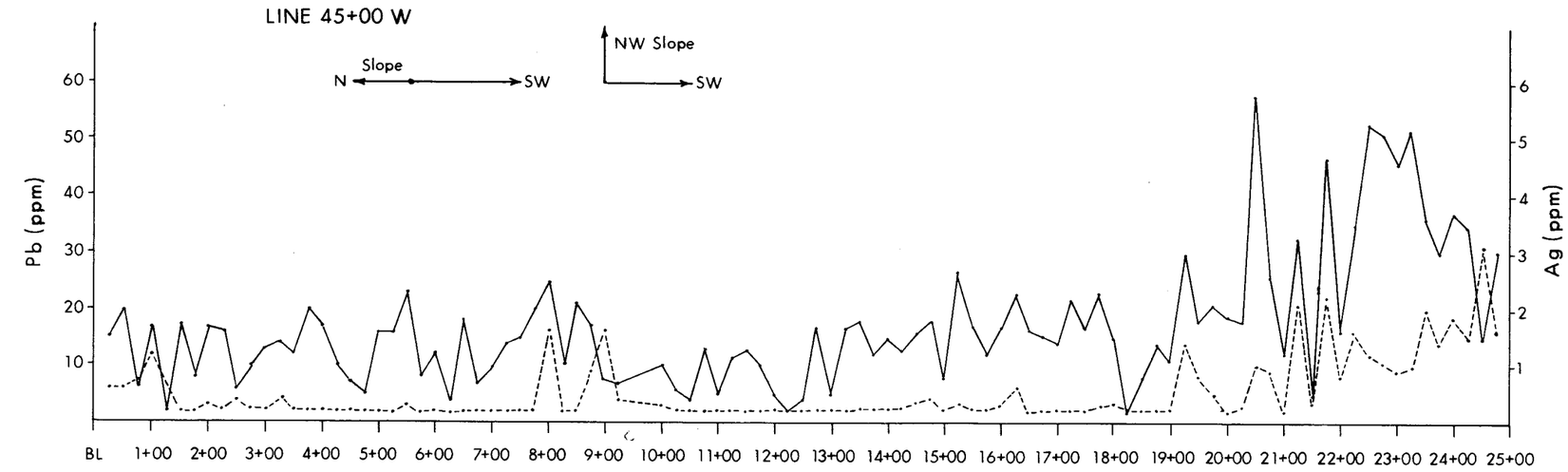
JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	——	105 O/1	A-1916

FIGURE 16

JCC





Ba & Pb in ppm
Zn & Ag in ppm

FIGURE 17

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ABERFORD RESOURCES LTD.

GEOCHEMICAL LINE PLOT

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	———	105 O/1	B-1921.

GEW

It can be concluded that the soil sampling (in applicable areas), in conjunction with the rock chip geochemistry, is successful in identifying lithologic units and in identifying the barite horizon. Of particular interest is the association of zinc-lead-silver which is found before encountering the barium highs which identify the barite horizon.

IV Trenching

A small scale trenching programme was carried out on the J.K. Claims (Plate 3) to ascertain information on depth of the weathered zone over the barite horizon, and the thickness of ferrocrete cover in the valley bottom. This was carried out in order to gauge the usefulness of geochemical rock and soil sampling, prior to undertaking a more involved geochemical programme on the property. The trenching programme was undertaken by Aberford personnel.

A total of four trenches were blasted to a depth of one metre each and a maximum length of 3 metres. Three of these trenches were put in over the outcropping barite horizon in order to recover "fresh", unweathered samples, while the fourth trench was put in along strike of the barite horizon to test the thickness of the ferrocrete found there. All three of the trenches along the barite horizon failed to penetrate down through the weathered horizon and the fourth trench failed to penetrate the ferrocrete encountered.

Rock and/or chip samples were collected from the trenches over the barite horizon (Table 5). These were sent to Bondar-Clegg in Vancouver for analysis.

Due to the thickness of the ferrocrete layer, and the immobility of barium and lead ions, it was decided that soil sampling would not be carried out in areas of ferrocrete cover.

.../42

TABLE 5

Trench Geochemistry

TRENCH #1 - Rock Assays

Ag oz/ton	Pb%	Zn%	Ba%
0.02	0.02	<0.01	49.13
0.02	0.02	<0.01	52.78
0.02	0.01	<0.01	57.01
0.02	0.02	<0.01	56.33

TRENCH #2 - Rock Assays

Ag oz/ton	Pb%	Zn%	Ba%
<0.02	<0.01	<0.01	48.02
<0.02	<0.01	<0.01	56.35
0.04	<0.01	<0.01	54.54

TRENCH #3 - Rock Assays

Ag oz/ton	Pb%	Zn%	Ba%
0.14	<0.01	<0.01	1.60
0.02	<0.01	<0.01	14.28
0.13	0.01	0.05	16.61

TRENCH #3 - Chip Samples (1m intervals)

Ag oz/ton	Pb%	Zn%	Ba%
<0.02	0.01	<0.01	6.65
0.02	<0.01	<0.01	0.42
0.02	0.01	<0.01	48.76

.../43

D) CONCLUSIONS

The majority of work on the J.K. Claims was carried out over a two week period, and consisted of soil and rock chip geochemical sampling, hand trenching, prospecting, geological mapping and measurement of stratigraphic sections. The trenching in collaboration with the stratigraphic sections, and the rock chip geochemistry, aided in defining the parameters by which the soil sampling and its interpretation was carried out. The soil sampling programme led to a northwesterly and a southeasterly extension of the known barite horizon, and the definition of underlying stratigraphic units.

It is clear that more detailed work must be carried out before any definite conclusions can be drawn as to the economic significance of this barite horizon.

E) RECOMMENDATIONS

In order to better define the economic potential of this property, the following programme is proposed to be carried out at a future date:

1) More line cutting to fully cover the claim group
2) Geophysical surveys, including gravity, magnetometre and VLF
3) More soil sampling in selected areas
4) More stratigraphic sections including rock chip geochemistry

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STATEMENT OF QUALIFICATIONS

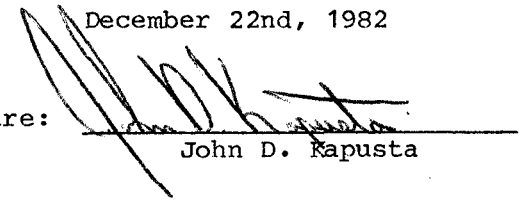
I, John D. Kapusta of Calgary, Alberta, hereby certify that:

1) I am a geologist presently residing at #302, 1902 - 11th Avenue, S.W., Calgary, Alberta and am currently employed by Aberford Resources Ltd., of 300 - 5th Avenue, S.W., Calgary, Alberta.

2) I graduated from the University of Manitoba in 1981 with a B.Sc. degree in Geology.

3) The entire program was conducted under the supervision of G. F. McArthur, Senior Geologist for Aberford Resources Ltd., Minerals Division.

Date: December 22nd, 1982

Signature: 

John D. Kapusta

STATEMENT OF QUALIFICATIONS

I, Gerald F. McArthur of Calgary, Alberta, hereby certify that I supervised the author of this report, which is based on the results of an exploration program conducted on the J.K. 1 - 160 Claims during August 13th and 14th and September 13th to 25th, 1982. Field work for this program was conducted under my supervision by a field crew employed by Aberford Resources Ltd.

1) I am a geologist residing at 111 Chelsea Street, N.W., Calgary, Alberta and am currently employed by Aberford Resources Ltd., of 300 - 5th Avenue, S.W., Calgary, Alberta.

2) I graduated from the University of British Columbia in 1973 with a B.Sc. degree in Geology and have practised my profession since that time.

3) I am a professional geologist registered in the province of Alberta.

Date: December 22nd, 1982

Signature: Gerald F. McArthur

Gerald F. Mcarthur

APPENDIX "A"

Geochemical Results and Statistics

ABERFORD RESOURCES LTD.

BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM
DOG0001	2W	1000S	E	5	LOW	A	0.2	SILT	BRWN	DRY	GOOD	3692	1	3	13
DOG0002	2W	1025S	E	5	LOW	A	0.2	SILT	BLCK	DAMP	GOOD	3692	2	2	15
DOG0003	2W	1050S	E	5	LOW	A	0.1	ORGN	BLCK	WET	MEDM	3692	3	16	45
DOG0004	2W	1075S	E	5	LOW	A	0.2	ORGN	BRWN	DAMP	MEDM	3692	4	4	7
DOG0005	2W	1100S	E	5	LOW	A	0.1	CLAY	GRAY	DRY	GOOD	3692	5	9	25
DOG0006	2W	1125S	E	5	LOW	A	0.1	ORGN	GRAY	DAMP	GOOD	3692	6	10	2
DOG0007	2W	1150S	E	5	LOW	A	0.1	ORGN	BRWN	DAMP	GOOD	3692	7	18	22
DOG0008	2W	1175S	E	5	LOW	A	0.2	ORGN	BRWN	DAMP	GOOD	3692	8	11	3
DOG0009	2W	1200S	E	5	LOW	A	0.1	ORGN	BRWN	DAMP	GOOD	3692	9	16	17
DOG0010	2W	1225S	E	5	LOW	A	0.2	SILT	BRWN	DAMP	MEDM	3692	10	26	92
DOG0011	2W	1250S	E	10	LOW	A	0.2	GRVL	BLCK	DRY	GOOD	3692	11	23	270
DOG0012	2W	1275S	E	10	MEDM	A	0.1	GRVL	BLCK	DRY	GOOD	3692	12	22	170
DOG0013	2W	1300S	E	10	MEDM	A	0.2	GRVL	BLCK	DRY	GOOD	3692	13	20	230
DOG0014	2W	1325S	E	10	MEDM	A	0.1	GRVL	BLCK	DRY	GOOD	3692	14	22	145
DOG0015	2W	1350S	E	10	MEDM	A	0.1	GRVL	BLCK	DRY	GOOD	3692	15	22	160
DOG0016	2W	1375S	E	15	MEDM	A	0.1	SAND	BLCK	DRY	GOOD	3692	16	22	170
DOG0017	2W	1400S	E	15	MEDM	A	0.1	SAND	GRAY	DRY	GOOD	3692	17	17	80
DOG0018	2W	1425S	E	15	MEDM	A	0.2	SAND	GRAY	DRY	GOOD	3692	18	20	118
DOG0019	2W	1450S	E	30	HIGH	A	0.2	SILT	GRAY	DRY	GOOD	3692	19	9	30
DOG0020	2W	1475S	E	35	HIGH	A	0.2	ORGN	BRWN	DRY	GOOD	3692	20	10	58
DOG0021	2W	1500S	E	30	HIGH	A	0.2	ORGN	BRWN	DRY	GOOD	3692	21	26	92
DOG0022	2W	1525S	E	30	HIGH	A	0.2	ORGN	BRWN	DRY	GOOD	3692	22	10	38
DOG0023	2W	1550S	E	30	HIGH	A	0.2	ORGN	BRWN	DRY	GOOD	3692	23	9	38
DOG0024	2W	1575S	E	35	HIGH	A	0.2	ORGN	BRWN	DRY	GOOD	3692	24	16	98
DOG0025	2W	1600S	E	30	HIGH	A	0.2	ORGN	BRWN	DRY	GOOD	3692	25	11	55
DOG0026	2W	1625S	E	35	HIGH	A	0.2	SAND	BRWN	DRY	GOOD	3692	26	19	150
DOG0027	2W	1650S	E	30	HIGH	A	0.1	SAND	BRWN	DRY	GOOD	3692	27	3	22
DOG0028	2W	1675S	E	30	HIGH	A	0.2	GRVL	GRAY	DRY	GOOD	3692	28	19	65
DOG0029	2W	1700S	E	35	HIGH	A	0.1	SAND	BRWN	DRY	GOOD	3692	29	39	104
DOG0030	2W	1725S	E	35	HIGH	A	0.2	GRVL	BRWN	DRY	GOOD	3692	30	26	100
DOG0031	2W	1750S	E	35	HIGH	B	0.3	GRVL	BRWN	DRY	GOOD	3692	31	15	90
DOG0032	2W	1775S	E	35	HIGH	B	0.3	GRVL	BRWN	DRY	GOOD	3692	32	14	118
DOG0033	2W	1800S	E	40	HIGH	A	0.2	GRVL	BRWN	DRY	GOOD	3692	33	31	153
DOG0034	2W	1825S	E	40	HIGH	A	0.2	SAND	GRAY	DAMP	GOOD	3692	34	16	92
DOG0035	2W	1850S	E	40	HIGH	B	0.3	SAND	BRWN	DAMP	GOOD	3692	35	21	93
DOG0036	2W	1875S	E	45	HIGH	B	0.3	GRVL	GRAY	DRY	GOOD	3692	36	44	115
DOG0037	2W	1900S	E	40	HIGH	A	0.2	GRVL	BLCK	DAMP	GOOD	3692	37	22	118
GEC0033	3650W	3000S	SW	20	MEDM	A	0.2	CLAY	BRWN	DAMP	MEDM	3336	1	3	4
GEC0034	3650W	3025S	SW	12	MEDM	H	0.3	ORGN	BLCK	DAMP	MEDM	3336	2	5	16
GEC0035	3650W	3050S	SW	13	MEDM	H	0.2	ORGN	BLCK	DRY	GOOD	3336	3	2	11
GEC0036	3650W	3075S	SW	16	MEDM	C	0.2	SAND	BRWN	DRY	GOOD	3336	4	23	52
GEC0037	3650W	3100S	SW	10	MEDM	A	0.1	SAND	BRWN	DRY	GOOD	3336	5	11	28
GEC0038	3650W	3125S	SW	10	MEDM	A	0.2	CLAY	GRAY	DRY	GOOD	3336	6	6	11
GEC0039	3650W	3150S	SW	10	MEDM	A	0.2	CLAY	BRWN	DAMP	MEDM	3336	7	4	18
GEC0040	3650W	3175S	SW	10	MEDM	H	0.1	ORGN	BLCK	DAMP	MEDM	3336	8	2	14
GEC0041	3650W	3200S	SW	5	MEDM	H	0.1	ORGN	BRWN	DAMP	GOOD	3336	9	21	43
GEC0042	3650W	3225S	SW	5	MEDM	H	0.1	ORGN	BRWN	DAMP	GOOD	3336	10	21	26

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM
GEC0043	3650W	3250S	SW	5	LOW	H	0.1	ORGN	BRWN	DAMP	MEDM	3336	11	13	14	2.1
GEC0044	3650W	3275S	SW	3	LOW	H	0.2	ORGN	GRAY	DAMP	MEDM	3336	12	4	9	2.6
GEC0045	3650W	3300S	SW	2	LOW	H	0.1	ORGN	BRWN	DAMP	MEDM	3336	13	7	10	3.8
GEC0046	3650W	3325S	SW	2	LOW	H	0.2	ORGN	BLCK	DAMP	MEDM	3336	14	18	20	5.2
GEC0047	3650W	3350S			LOW	H	0.2	ORGN	BRWN	WET	POOR	3336	15	9	13	8.5
GEC0048	3650W	3375S			LOW	H	0.3	ORGN	GRAY	WET	POOR	3336	16	19	43	2.3
GEC0049	3650W	3400S			LOW	A	0.3	SILT	BRWN	WET	POOR	3336	17	34	74	1.0
GEC0050	3650W	3425S			LOW	A	0.1	SILT	GRAY	DAMP	POOR	3336	18	32	65	1.2
GEC0051	3650W	3450S			LOW	A	0.2	SILT	GRAY	DAMP	POOR	3336	19	55	41	1.8
GEC0052	3650W	3475S			LOW	A	0.5	SILT	GRAY	WET	POOR	3336	20	65	33	3.5
GEC0053	3650W	3500S			LOW	A	0.1	GRVL	BRWN	WET	POOR	3336	21	46	38	1.4
GEC0054	3650W	3525S			LOW	H	0.1	ORGN	BLCK	WET	POOR	3336	22	8	11	0.5
GEC0055	3650W	3875S			LOW	H	0.3	SILT	GRAY	WET	POOR	3336	23	25	85	0.5
GEC0056	3650W	3900S			LOW	A	0.2	SAND	ORNG	WET	POOR	3336	24	15	59	0.2
GEC0057	3650W	3925S			LOW	A	0.1	SILT	GRAY	WET	POOR	3336	25	21	81	0.6
GEC0058	3650W	3950S			LOW	A	0.1	SILT	GRAY	WET	POOR	3336	26	19	84	0.6
GEC0059	3650W	3975S			LOW	A	0.2	SILT	BRWN	WET	POOR	3336	27	21	106	0.7
GEC0060	3650W	4000S			LOW	A	0.2	CLAY	ORNG	DAMP	MEDM	3336	28	2	4	0.5
GEC0061	3650W	4025S			LOW	A	0.3	ORGN	BLCK	DAMP	MEDM	3336	29	22	12	3.0
GEC0062	3650W	4050S	NE	1	LOW	A	0.1	ORGN	GRAY	DAMP	MEDM	3336	30	26	24	1.7
GEC0063	3650W	4075S	NE	2	LOW	A	0.2	ORGN	BLCK	DRY	MEDM	3336	31	43	48	1.6
GEC0064	3650W	4100S	NE	3	LOW	A	0.1	ORGN	BLCK	DAMP	MEDM	3336	32	28	59	2.4
GFM5001	1600W	0S	NE	10	LOW	C	0.2	SILT	BRWN	DAMP	MEDM	3336	33	28	51	1.0
GFM5002	1600W	25S	NE	15	LOW	C	0.2	CLAY	BLCK	DAMP	MEDM	3336	34	34	6	0.8
GFM5003	1600W	50S	NE	5	LOW	C	0.2	CLAY	BLCK	DAMP	MEDM	3336	35	27	54	0.7
GFM5004	1600W	75S	NE	5	LOW	C	0.3	CLAY	BLCK	DAMP	MEDM	3336	36	25	88	1.8
GFM5005	1600W	100S	NE	5	LOW	C	0.2	CLAY	BRWN	DAMP	MEDM	3336	37	24	59	0.8
GFM5006	1600W	125S	NE	5	LOW	C	0.2	CLAY	BRWN	DAMP	MEDM	3336	41	20	48	1.0
GFM5007	1600W	150S	NE	5	LOW	C	0.3	CLAY	BRWN	DAMP	MEDM	3336	42	17	63	0.6
GFM5008	1600W	175S	N	10	LOW	C	0.3	CLAY	BLCK	DAMP	MEDM	3336	43	20	83	0.7
GFM5009	1600W	200S	N	10	LOW	C	0.2	CLAY	BLCK	DAMP	MEDM	3336	44	18	54	1.4
GFM5010	1600W	225S	N	10	LOW	C	0.3	CLAY	BLCK	DAMP	MEDM	3336	45	22	87	0.7
GFM5011	1600W	250S	N	10	LOW	C	0.2	CLAY	BLCK	DAMP	MEDM	3336	46	25	78	1.0
GFM5012	1600W	275S	N	10	LOW	C	0.2	CLAY	BLCK	DAMP	MEDM	3336	47	27	48	1.2
GFM5013	1600W	300S	N	10	LOW	B	0.2	CLAY	ORNG	DAMP	MEDM	3336	48	15	36	0.5
GFM5014	1600W	325S	N	10	LOW	A	0.3	CLAY	BRWN	DAMP	MEDM	3336	49	27	39	1.5
GFM5015	1600W	350S	N	15	MEDM	C	0.3	CLAY	BRWN	DAMP	MEDM	3336	50	35	65	0.6
GFM5016	1600W	375S	NW	15	MEDM	C	0.3	CLAY	BRWN	DAMP	MEDM	3336	51	32	57	0.6
GFM5017	1600W	400S	NW	15	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	52	32	59	1.4
GFM5018	1600W	425S	NW	20	MEDM	C	0.3	CLAY	BRWN	DAMP	MEDM	3336	53	33	26	2.4
GFM5019	1600W	450S	NW	25	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	54	41	21	2.6
GFM5020	1600W	475S	NW	30	MEDM	C	0.2	GRVL	BLCK	DAMP	MEDM	3336	55	41	23	2.0
GFM5021	1600W	500S	NW	30	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	56	29	39	1.4
GFM5022	1600W	525S	NW	30	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	57	45	14	3.3
GFM5023	1600W	550S	NW	35	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	58	53	17	3.0
GFM5024	1600W	575S	NW	35	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	59	47	26	3.4
GFM5025	1600W	600S	NW	35	MEDM	C	0.2	GRVL	BLCK	DAMP	MEDM	3336	60	44	55	2.8

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM
GFM5026	1600W	625S	NW	35	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	61	44	51	2.0
GFM5027	1600W	650S	NW	35	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	62	77	30	1.4
GFM5028	1600W	675S	NW	35	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	63	28	83	0.5
GFM5029	1600W	700S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	64	35	81	1.4
GFM5030	1600W	725S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	65	32	68	2.2
GFM5031	1600W	750S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	66	82	68	3.8
GFM5032	1600W	775S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	67	80	78	3.0
GFM5033	1600W	800S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	68	29	92	0.8
GFM5034	1600W	825S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	69	18	48	0.2
GFM5035	1600W	850S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	70	16	12	1.4
GFM5038	1600W	925S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	71	20	70	0.4
GFM5039	1600W	950S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	72	79	62	3.6
GFM5040	1600W	975S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	73	127	42	2.4
GFM5041	1600W	1500S	NW	30	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	95	26	143	0.5
GFM5043	1600W	1050S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	74	13	22	0.3
GFM5044	1600W	1075S	NW	40	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	75	27	83	0.2
GFM5045	1600W	1100S	NW	35	MEDM	C	0.2	GRVL	BRWN	DAMP	MEDM	3336	76	30	122	0.2
GFM5046	1600W	1125S	NW	30	MEDM	C	0.2	GRVL	BLCK	DAMP	MEDM	3336	77	22	114	0.2
GFM5047	1600W	1150S	NW	30	MEDM	C	0.3	CLAY	BRWN	DAMP	MEDM	3336	81	14	43	0.2
GFM5048	1600W	1175S	NW	30	MEDM	C	0.3	CLAY	BLCK	DAMP	MEDM	3336	82	28	99	0.2
GFM5049	1600W	1200S	NW	30	MEDM	C	0.3	CLAY	BRWN	DAMP	MEDM	3336	83	33	133	0.2
GFM5050	1600W	1225S	NW	30	MEDM	C	0.3	CLAY	BLCK	DAMP	MEDM	3336	84	30	106	0.4
GFM5051	1600W	1250S	NW	30	MEDM	C	0.3	CLAY	BLCK	DAMP	MEDM	3336	85	18	54	0.2
GFM5052	1600W	1275S	NW	30	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	86	32	115	0.2
GFM5053	1600W	1300S	NW	30	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	87	33	136	0.3
GFM5054	1600W	1325S	NW	30	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	88	36	139	0.3
GFM5055	1600W	1350S	NW	30	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	89	31	97	0.4
GFM5056	1600W	1375S	NW	30	MEDM	C	0.3	GRVL	BLCK	DAMP	MEDM	3336	90	31	83	0.5
GFM5057	1600W	1400S	NW	30	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	91	27	80	0.9
GFM5058	1600W	1425S	NW	30	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	92	31	105	0.2
GFM5059	1600W	1450S	NW	30	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	93	29	159	0.2
GFM5060	1600W	1475S	NW	30	MEDM	C	0.3	GRVL	BRWN	DAMP	MEDM	3336	94	17	46	0.2
GFM5061	1600W	1525S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	109	24	68	0.6
GFM5062	1600W	1550S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	110	22	43	1.0
GFM5063	1600W	1575S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	111	30	52	2.6
GFM5064	1600W	1600S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	112	22	31	2.0
GFM5065	1600W	1625S	NW	35	MEDM	A	0.4	GRVL	BLCK	DAMP	GOOD	3482	113	20	25	1.9
GFM5066	1600W	1675S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	114	25	56	1.3
GFM5067	1600W	1700S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	115	49	90	0.5
GFM5068	1600W	1725S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	116	23	62	0.8
GFM5069	1600W	1750S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	117	18	63	0.9
GFM5070	1600W	1775S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	121	24	61	1.0
GFM5071	1600W	1800S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	122	33	60	3.7
GFM5072	1600W	1825S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	123	40	56	1.7
GFM5073	1600W	1900S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	124	40	142	3.6
GFM5075	1600W	1950S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	125	35	185	2.6
GFM5076	1600W	1975S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	126	22	128	0.6

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM	BA PPM
RM5077	1600W	2000S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	127	21	148	0.5	2
RM5078	1600W	2075S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	128	23	112	1.3	2
RM5079	1600W	2100S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	129	34	150	1.0	3
RM5080	1600W	2125S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	130	34	160	0.7	2
RM5081	1600W	2150S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	131	30	210	1.3	5
RM5082	1600W	2200S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	132	34	250	1.1	5
RM5083	1600W	2250S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	133	23	118	0.6	4
RM5084	1600W	2275S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	134	25	138	0.8	3
RM5085	1600W	2300S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	135	26	120	0.7	3
RM5086	1600W	2325S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	136	22	98	0.5	3
RM5087	1600W	2350S	NW	35	MEDM	A	0.4	GRVL	BLCK	DAMP	GOOD	3482	137	24	60	0.6	2
RM5088	1600W	2375S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	138	24	100	0.4	3
RM5089	1600W	2400S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	139	40	80	1.0	5
RM5090	1600W	2425S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	140	23	80	0.7	2
RM5091	1600W	2475S	NW	35	MEDM	A	0.4	GRVL	BLCK	DAMP	GOOD	3482	141	18	40	0.5	5
RM5092	1600W	2500S	NW	35	MEDM	A	0.3	GRVL	BLCK	DAMP	GOOD	3482	142	25	50	1.4	2
RM5093	2250W	1600S	NW	35	MEDM	A	0.4	GRVL	BLCK	DAMP	GOOD	3482	144	22	60	0.5	2
RM5094	0W	5200S	NE	20	MEDM	A	0.4	GRVL	BRWN	DAMP	GOOD	3482	105	19	50	0.4	1
RM5095	0W	5250S	NE	20	MEDM	A	0.4	GRVL	BRWN	DAMP	GOOD	3482	106	24	50	0.3	1
RM5096	0W	5275S	NE	10	MEDM	A	0.3	GRVL	BRWN	DAMP	GOOD	3482	107	25	80	0.3	1
RM5097	0W	5675S	NE	20	MEDM	A	0.4	GRVL	BLCK	DAMP	POOR	3482	108	12	510	0.3	2
DK0001	4500W	25S	SW	0	LOW	H	0.3	ORGN	BRWN	DAMP	GOOD	3482	1	15	61	0.6	
DK0002	4500W	50S	SW	0	LOW	C	0.1	GRVL	GRAY	DAMP	GOOD	3482	2	20	100	0.6	1
DK0003	4500W	75S	SW	5	MEDM	H	0.3	ORGN	BRWN	DAMP	GOOD	3482	3	6	55	0.7	1
DK0004	4500W	100S	SW	5	MEDM	A	0.2	SILT	BRWN	DAMP	GOOD	3482	4	17	400	1.2	1
DK0005	4500W	125S	SW	5	MEDM	A	0.4	SILT	GRAY	DAMP	GOOD	3482	5	2	5	0.2	1
DK0006	4500W	150S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	6	17	31	0.2	1
DK0007	4500W	175S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	7	8	46	0.2	1
DK0008	4500W	200S	SW	5	MEDM	B	0.2	SILT	GRAY	DAMP	GOOD	3482	8	17	235	0.3	2
DK0009	4500W	225S	SW	5	MEDM	B	0.2	SILT	GRAY	DAMP	GOOD	3482	9	16	28	0.2	1
DK0010	4500W	250S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	10	6	18	0.4	
DK0011	4500W	275S	SW	5	MEDM	B	0.4	GRVL	GRAY	DAMP	GOOD	3482	11	10	25	0.2	
DK0012	4500W	300S	SW	5	MEDM	B	0.3	SILT	GRAY	DAMP	GOOD	3482	12	13	28	0.2	
DK0013	4500W	325S	SW	5	MEDM	B	0.3	SILT	GRAY	DAMP	GOOD	3482	13	14	28	0.4	1
DK0014	4500W	350S	SW	5	MEDM	B	0.2	GRVL	GRAY	DAMP	GOOD	3482	14	12	25	0.2	1
DK0015	4500W	375S	SW	5	MEDM	B	0.1	SILT	BRWN	DAMP	GOOD	3482	15	20	32	0.2	1
DK0016	4500W	400S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	16	17	60	0.2	1
DK0017	4500W	425S	SW	0	LOW	B	0.2	SILT	GRAY	DAMP	GOOD	3482	17	10	22	0.2	1
DK0018	4500W	450S	SW	3	LOW	B	0.4	SILT	GRAY	DAMP	GOOD	3482	18	7	6	0.2	1
DK0019	4500W	475S	SW	5	MEDM	B	0.3	SILT	GRAY	DAMP	GOOD	3482	19	5	9	0.2	1
DK0020	4500W	500S	SW	5	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	20	16	48	0.2	1
DK0021	4500W	525S	SW	5	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	21	16	46	0.2	1
DK0022	4500W	550S	SW	5	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	22	23	47	0.3	1
DK0023	4500W	575S	SW	5	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	23	8	28	0.2	1
DK0024	4500W	600S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	24	12	30	0.2	1
DK0025	4500W	625S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	25	4	8	0.2	
DK0026	4500W	650S	SW	10	MEDM	B	0.2	GRVL	BRWN	DAMP	GOOD	3482	26	18	60	0.2	1

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM
JDK0027	4500W	675S	SW	10	MEDM	A	0.3	GRVL	BRWN	DAMP	GOOD	3482	27	7	28	0.2
JDK0028	4500W	700S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	28	10	30	0.2
JDK0029	4500W	725S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	29	14	31	0.2
JDK0030	4500W	750S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	30	15	52	0.2
JDK0031	4500W	775S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	31	20	60	0.2
JDK0032	4500W	800S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	32	25	48	1.6
JDK0033	4500W	825S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	33	10	28	0.2
JDK0034	4500W	850S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	34	21	48	0.2
JDK0035	4500W	875S	SW	10	MEDM	B	0.2	GRVL	BRWN	DAMP	GOOD	3482	35	17	70	0.9
JDK0036	4500W	900S	SW	10	MEDM	B	0.3	GRVL	BRWN	DAMP	GOOD	3482	36	8	32	1.6
JDK0037	4500W	925S	SW	10	MEDM	B	0.2	GRVL	BRWN	DAMP	GOOD	3482	37	7	31	0.4
JDK0038	4500W	1000S	SW	10	MEDM	H	0.3	ORGN	BRWN	DAMP	GOOD	3482	41	10	33	0.3
JDK0039	4500W	1025S	SW	10	MEDM	H	0.2	ORGN	BRWN	DAMP	GOOD	3482	42	6	28	0.2
JDK0040	4500W	1050S	SW	10	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	43	4	17	0.2
JDK0041	4500W	1075S	SW	10	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	44	13	40	0.2
JDK0042	4500W	1100S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	45	5	14	0.2
JDK0043	4500W	1125S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	46	12	25	0.2
JDK0044	4500W	1150S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	47	13	33	0.2
JDK0045	4500W	1175S	SW	5	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	48	10	30	0.2
JDK0046	4500W	1200S	SW	5	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	49	5	14	0.2
JDK0047	4500W	1225S	SW	10	MEDM	B	0.3	SILT	GRAY	DAMP	GOOD	3482	50	2	9	0.2
JDK0048	4500W	1250S	SW	10	MEDM	H	0.4	ORGN	BRWN	DAMP	GOOD	3482	51	4	15	0.2
JDK0049	4500W	1275S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	52	17	40	0.2
JDK0050	4500W	1300S	SW	10	MEDM	H	0.4	ORGN	BRWN	DAMP	GOOD	3482	53	5	10	0.2
JDK0051	4500W	1325S	SW	10	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	54	17	62	0.2
JDK0052	4500W	1350S	SW	15	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	55	18	41	0.2
JDK0053	4500W	1375S	SW	15	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	56	12	42	0.2
JDK0054	4500W	1400S	SW	15	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	57	15	138	0.2
JDK0055	4500W	1425S	SW	15	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	58	13	52	0.2
JDK0056	4500W	1450S	SW	15	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	59	16	59	0.3
JDK0057	4500W	1475S	SW	15	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	60	18	148	0.4
JDK0058	4500W	1500S	SW	15	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	61	8	62	0.2
JDK0059	4500W	1525S	SW	10	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	62	27	80	0.3
JDK0060	4500W	1550S	SW	10	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	63	17	103	0.2
JDK0061	4500W	1575S	SW	10	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	64	12	70	0.2
JDK0062	4500W	1600S	SW	15	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	65	17	131	0.3
JDK0063	4500W	1625S	SW	20	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	66	23	62	0.6
JDK0064	4500W	1650S	SW	20	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	67	16	100	0.2
JDK0065	4500W	1675S	SW	20	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	68	15	40	0.2
JDK0066	4500W	1700S	SW	20	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	69	14	60	0.2
JDK0067	4500W	1725S	SW	20	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	70	22	68	0.2
JDK0068	4500W	1750S	SW	20	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	71	17	112	0.2
JDK0069	4500W	1775S	SW	20	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	72	23	108	0.3
JDK0070	4500W	1800S	SW	20	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	73	15	41	0.3
JDK0071	4500W	1825S	SW	20	MEDM	A	0.3	SILT	BRWN	DAMP	GOOD	3482	74	2	6	0.2
JDK0072	4500W	1850S	SW	20	MEDM	B	0.3	GRVL	BRWN	DAMP	GOOD	3482	75	8	31	0.2
JDK0073	4500W	1875S	SW	20	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	76	14	63	0.2

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM
JDK0074	4500W	1900S	SW	20	MEDM	C	0.3	SILT	BRWN	DAMP	GOOD	3482	77	11	63	0.2
JDK0075	4500W	1925S	SW	20	MEDM	C	0.3	GRVL	GRAY	DAMP	GOOD	3482	81	30	25	1.4
JDK0076	4500W	1950S	SW	20	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	82	18	65	0.8
JDK0077	4500W	1975S	SW	20	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	83	21	42	0.5
JDK0078	4500W	2000S	SW	20	MEDM	B	0.3	SILT	BRWN	DAMP	GOOD	3482	84	19	45	0.2
JDK0079	4500W	2025S	SW	20	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	85	18	41	0.3
JDK0080	4500W	2050S	SW	20	MEDM	C	0.1	SILT	BRWN	DRY	GOOD	3482	86	58	66	1.0
JDK0081	4500W	2075S	SW	20	MEDM	C	0.1	SILT	BRWN	DRY	GOOD	3482	87	26	82	0.9
JDK0082	4500W	2100S	SW	20	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	88	12	62	0.2
JDK0083	4500W	2125S	SW	20	MEDM	C	0.2	SILT	BRWN	DRY	GOOD	3482	89	33	70	2.1
JDK0084	4500W	2150S	SW	20	MEDM	C	0.3	GRVL	BRWN	DAMP	GOOD	3482	90	5	10	0.4
JDK0085	4500W	2175S	SW	15	MEDM	C	0.2	GRVL	BRWN	DAMP	GOOD	3482	91	47	55	2.2
JDK0086	4500W	2200S	SW	10	MEDM	B	0.2	SILT	BRWN	DAMP	GOOD	3482	92	16	15	0.8
JDK0087	4500W	2225S	SW	15	MEDM	C	0.2	GRVL	BRWN	DRY	GOOD	3482	93	35	51	1.6
JDK0088	4500W	2250S	SW	15	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	94	53	62	1.2
JDK0089	4500W	2275S	SW	15	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	95	51	62	1.1
JDK0090	4500W	2300S	SW	15	MEDM	C	0.1	SILT	BRWN	DAMP	GOOD	3482	96	46	54	0.9
JDK0091	4500W	2325S	SW	15	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	97	52	66	1.0
JDK0092	4500W	2350S	SW	15	MEDM	A	0.3	ORGN	BRWN	DAMP	GOOD	3482	98	36	157	2.0
JDK0093	4500W	2375S	SW	15	MEDM	A	0.2	ORGN	BRWN	DAMP	GOOD	3482	99	30	91	1.4
JDK0094	4500W	2400S	SW	15	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	100	37	108	1.9
JDK0095	4500W	2425S	SW	15	MEDM	C	0.2	SILT	BRWN	DAMP	GOOD	3482	101	34	130	1.5
JDK0096	4500W	2450S	SW	15	MEDM	H	0.3	ORGN	BRWN	DAMP	GOOD	3482	102	15	90	3.1
JDK0097	4500W	2475S	SW	15		B	0.2	SILT	BRWN	DAMP	GOOD	3482	103	30	70	1.6
RPS0100	1800W	0S	NW	20	MEDM	A	0.4	SILT	BRWN	DAMP	GOOD	3336	96	14	49	1.2
RPS0101	1800W	25S	W	25	MEDM	A	0.3	SILT	GRAY	DAMP	GOOD	3336	97	22	107	1.4
RPS0102	1800W	50S	W	30	MEDM	A	0.3		GRAY	DAMP	GOOD	3336	98	15	36	0.3
RPS0103	1800W	75S	W	20	MEDM	A	0.3		BRWN	DAMP	GOOD	3336	99	18	48	0.5
RPS0104	1800W	100S	W	15	MEDM		0.4	GRVL	BRWN		GOOD	3336	100	31	54	1.0
RPS0105	1800W	125S	W	15		A	0.3	SILT	BRWN	DAMP	GOOD	3336	101	17	69	0.5
RPS0106	1800W	150S	W	10	MEDM	A	0.3	GRVL	GRAY			3336	102	22	64	0.8
RPS0107	1800W	175S	W	15		A	0.2	GRVL	BRWN	DAMP	GOOD	3336	103	24	50	1.4
RPS0108	1800W	200S	W	15	MEDM	A	0.3	SILT	GRAY			3336	104	12	33	0.6
RPS0109	1800W	225S	W	10	MEDM	A	0.2	SILT	GRAY			3336	105	15	46	1.0
RPS0110	1800W	250S	W	8	MEDM	A	0.5		GRAY			3336	106	10	34	0.2
RPS0111	1800W	275S	W	20	MEDM	A	0.3	TILL	GRAY			3336	107	8	25	0.4
RPS0112	1800W	300S	W	20		A	0.3	GRVL	GRAY			3336	108	22	72	0.8
RPS0113	1800W	325S	W	10		A	0.2		BRWN			3336	109	9	28	0.8
RPS0114	1800W	350S	W	15		A	0.3		GRAY			3336	110	13	32	0.3
RPS0115	1800W	400S	W	15		A	0.3		GRAY			3336	111	8	21	1.1
RPS0116	1800W	425S				A	0.5		GRAY			3336	112	39	44	2.0
RPS0117	1800W	475S				A	0.4	GRVL	GRAY			3336	113	36	53	0.8
RPS0118	1800W	500S	W	5		A	0.3		GRAY	DAMP	GOOD	3336	114	28	58	1.0
RPS0119	1800W	525S	W	10		A	0.5		GRAY	DAMP	GOOD	3336	115	18	41	1.2
RPS0120	1800W	550S	W	10		A	0.2		GRAY	DAMP	GOOD	3336	116	27	53	0.8
RPS0121	1800W	600S	W	10		A	0.3		GRAY	WET	GOOD	3336	117	31	64	1.0
RPS0122	1800W	675S	W	10		A	0.2		GRAY	DAMP	GOOD	3336	121	31	74	1.0

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM
RPS0123	1800W	825S	W	5		A	0.2		ORNG	DAMP	GOOD	3336	122	8	16	0.3
RPS0124	1800W	850S	W	5		A	0.2		GRAY	DAMP	GOOD	3336	123	34	113	0.8
RPS0125	1800W	925S				A	0.3		GRAY	DAMP	GOOD	3336	124	27	106	1.0
RPS0126	1800W	1000S	W	5	MEDM	A	0.2	SILT	GRAY	DAMP	GOOD	3336	125	30	94	1.5
RPS0127	1800W	1025S	W	5	MEDM	A	0.3	ORGN	GRAY	DAMP	GOOD	3336	126	25	79	0.8
RPS0128	1800W	1050S	W	5	MEDM	A	0.3	ORGN	GRAY	DAMP	GOOD	3336	127	24	101	0.6
RPS0129	1800W	1075S	W	5	MEDM	A	0.2	ORGN	GRAY	DAMP	GOOD	3336	128	29	111	0.8
RPS0130	1800W	1100S	W	5	MEDM	A	0.4		GRAY	DAMP	GOOD	3336	129	2	13	1.2
RPS0131	1800W	1125S	W	5	MEDM	A	0.2	ORGN	GRAY	DAMP	GOOD	3336	130	22	101	0.2
RPS0132	1800W	1150S	W	5	MEDM	A	0.3	ORGN	GRAY	DAMP	GOOD	3336	131	30	102	0.3
RPS0133	1800W	1175S	W	5	MEDM	A	0.2	SILT	GRAY	DAMP	GOOD	3336	132	29	111	0.4
RPS0134	1800W	1200S	W	5		A	0.4	GRVL	GRAY	DAMP	GOOD	3336	133	27	117	0.6
RPS0135	1800W	1225S	W	5	MEDM	A	0.3	GRVL	GRAY	DAMP	GOOD	3336	134	28	115	0.4
RPS0136	1800W	1250S	W	5			0.4		GRAY			3336	135	15	41	2.4
RPS0137	1800W	1275S			MEDM	A	0.3		GRAY			3336	136	24	136	0.6
RPS0138	1800W	1300S	W	10	MEDM	A	0.3	GRVL	GRAY	DAMP	GOOD	3336	137	22	142	0.4
RPS0139	1800W	1325S	W	5	MEDM	A	0.3	SILT	GRAY	DAMP	GOOD	3336	138	27	110	0.4
RPS0140	1800W	1350S	W	5	MEDM	A	0.5	GRVL	GRAY	DAMP	GOOD	3336	139	24	117	0.6
RPS0141	1800W	1375S	W	5	MEDM	A	0.4	GRVL	GRAY	DAMP	GOOD	3336	140	26	120	0.4
RPS0142	1800W	1400S	W	5	MEDM	A	0.3	ORGN	GRAY	DAMP	GOOD	3336	141	29	116	0.2
RPS0143	1800W	1425S	W	5	MEDM	A	0.3	GRVL	GRAY	DAMP	GOOD	3336	142	25	139	0.2
RPS0144	1800W	1450S	W	5	MEDM	A	0.4	SILT	GRAY	DAMP	GOOD	3336	143	17	50	0.6
RPS0145	1800W	1475S	W	5	MEDM	A	0.3	SILT	GRAY	DAMP	GOOD	3336	144	19	72	0.2
RPS0146	1800W	1500S	W	5	MEDM	A	0.3	SILT	GRAY	DAMP	GOOD	3336	145	19	53	0.6
RPS0147	1800W	1525S	W	5	MEDM	A	0.3	GRVL	GRAY			3336	146	20	77	0.7
RPS0148	1800W	1575S	W	5	MEDM	A	0.3	GRVL	GRAY	DAMP	GOOD	3336	147	9	51	0.4
RPS0149	1800W	1625S	W	5	MEDM	A	0.3	SILT	GRAY	DAMP	GOOD					
RPS0150	1800W	1650S	W	0	MEDM	A	0.2	SAND	GRAY	DAMP	GOOD	3336	148	23	63	0.6
RPS0151	1800W	1675S	W	0	MEDM	A	0.2	SAND	GRAY	DAMP	GOOD	3336	149	22	55	1.0
RPS0152	1800W	1700S	W	0	MEDM	A	0.3	ORGN	GRAY	DAMP	GOOD	3336	150	8	35	3.0
RPS0153	1800W	1725S	W	0	MEDM	A	0.2	SAND	GRAY			3336	151	19	83	0.7
RPS0154	1800W	1750S	W	0	MEDM	A	0.3	GRVL	GRAY			3336	152	20	87	1.3
RPS0155	1800W	1800S	W	0	MEDM	A	0.3	ORGN	GRAY			3336	153	27	105	2.1
RPS0156	1800W	1850S	W	5	MEDM	A	0.3	GRVL	GRAY	DAMP	GOOD	3336	154	28	140	1.6
RPS0157	0S	5175W			LOW	A	0.4	SILT	GRAY	WET	POOR	3482	145	12	21	0.2
RPS0158	0S	5150W			LOW	A	0.3	SAND	BRWN	DAMP	GOOD	3482	146	17	48	0.6
RPS0159	0S	5125W			LOW	A	0.4	SAND	BRWN	DAMP	GOOD	3482	147	19	32	0.3
RPS0160	0S	5100W			LOW	A	0.2	SAND	BRWN	DAMP	GOOD	3482	148	20	42	0.4
RPS0161	0S	5075W			LOW	A	0.3	SAND	BRWN	DAMP	GOOD	3482	149	20	42	0.4
RPS0162	0S	5050W			LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	150	18	210	0.7
RPS0163	0S	5025W			LOW	A	0.3	SILT	BRWN	DAMP	GOOD	3482	151	15	150	0.3
RPS0164	0S	5000W			LOW	A	0.3	SILT	BRWN	DAMP	GOOD	3482	152	14	115	0.4
RPS0165	0S	4950W			LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	153	14	85	0.8
RPS0166	0S	4925W			LOW	A	0.3	SAND	BRWN	DAMP	GOOD	3482	154	12	22	0.4
RPS0167	0S	4700W			LOW	A	0.3	SAND	BRWN	DAMP	GOOD	3482	155	8	32	0.2
RPS0168	0S	4625W	N	5	LOW	A	0.3	SAND	BLCK	DAMP	GOOD	3482	156	4	22	0.2
RPS0169	0S	4600W	N	5	LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	157	30	50	0.2

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM
RPS0170	0S	4575W			LOW	A	0.4	SILT	BRWN	DAMP	GOOD	3482	161	24	40	0.2
RPS0171	0S	4550W	W	5	LOW	A	0.4	SAND	BLCK	DAMP	GOOD	3482	162	6	39	0.2
RPS0172	0S	4525W			LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	163	12	30	0.2
RPS0173	0S	4475W			LOW	A	0.2	SILT	BRWN	DAMP	GOOD	3482	164	19	75	0.8
RPS0174	0S	4450W			LOW	A	0.3	SAND	BLCK	DAMP	GOOD	3482	165	6	32	0.2
RPS0175	0S	4425W			LOW	A	0.3	GRVL	BRWN	DAMP	GOOD	3482	166	20	65	1.0
RPS0176	0S	4400W	N	10	LOW	A	0.3		ORNG	DAMP	GOOD	3482	167	13	35	0.2
RPS0177	0S	4375W	N	10	LOW	A	0.3	SILT	BRWN	DAMP	GOOD	3482	168	12	12	0.5
RPS0178	0S	4350W			LOW	A	0.3	SILT	BRWN	DAMP	GOOD	3482	169	25	65	0.9
RPS0179	0S	4325W			LOW	A	0.2	SILT	ORNG	DAMP	GOOD	3482	170	24	50	0.9
RPS0180	0S	4275W			LOW	A	0.3	SILT	ORNG			3482	171	20	40	0.2
RPS0181	0S	4250W	N	5	LOW	A	0.3	SAND	ORNG	DAMP	GOOD	3482	172	30	32	0.6
RPS0182	0S	4225W	NW	10	LOW	A	0.3	SAND	GRAY	DAMP	GOOD	3482	173	8	10	0.7
RPS0183	0S	4200W	NW	5	LOW	A	0.3	SAND	GRAY			3482	174	18	30	1.0
RPS0184	0S	4175W	N	5	LOW	A	0.4	SAND	GRAY			3482	175	14	25	0.3
RPS0185	0S	4150W				A	0.5	SAND	GRAY			3482	176	10	29	0.3
RPS0187	0S	4125W	W	5	LOW	A	0.4	SAND	GRAY	DAMP	GOOD	3482	177	25	40	0.6
RPS0188	0S	4100W	N	5	LOW	A	0.3	SILT	BRWN	DAMP	GOOD	3482	178	5	16	0.2
RPS0189	0S	4075W	N	5	LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	179	32	45	0.2
RPS0190	0S	4050W	N	10	LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	180	15	28	0.2
RPS0191	0S	4025W	N	5	LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	181	5	22	0.2
RPS0192	0S	4000W			LOW	A	0.4	SILT	GRAY			3482	182	18	60	0.2
RPS0193	0S	3975W	N	5	LOW	A	0.4	SILT	GRAY			3482	183	21	60	0.2
RPS0194	0S	3925W			LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	184	14	30	0.2
RPS0195	0S	3900W	N	5	LOW	A	0.3	SILT	GRAY	DAMP	GOOD	3482	185	26	62	0.4
RPS0196	0S	3875W	N	5	LOW	A	0.4	SILT	GRAY	DAMP	GOOD	3482	186	20	63	0.2
RPS0197	0S	3850W	N	3	LOW	A	0.4	GRVL	GRAY	DAMP	GOOD	3482	187	12	23	0.9
RPS0198	0S	3825W	N	3	LOW	A	0.3	SAND	GRAY	DAMP	GOOD	3482	188	24	40	0.2
RPS0199	0S	3800W	E	5	LOW	A	0.3	GRVL	ORNG	DAMP	GOOD	3482	189	23	42	0.6
RPS0200	0S	3750W			LOW	A	0.5	SILT	GRAY			3482	190	15	30	7.0
RPS0201	0S	3725W			LOW	A	0.4	GRVL	BRWN	DAMP	GOOD	3482	191	12	32	2.2
RPS0202	0S	3700W				A	0.3	GRVL	GRAY	WET	POOR	3482	192	20	70	0.7
RPS0203	0S	3650W				A	0.3	SAND	GRAY	DRY	GOOD	3482	193	7	12	0.2
RPS0204	0S	3625W				A	0.3	SAND	ORNG	DRY	GOOD	3482	194	30	42	0.3
RPS0205	0S	3550W	N	5		A	0.3	SAND	GRAY	DRY	GOOD	3482	195	12	25	0.2
RPS0206	0W	1000S	W	5	MEDM	A	0.2	SILT	GRAY	DAMP	GOOD	3692	41	6	28	0.2
RPS0207	0W	1025S	NW	5	MEDM	A	0.3	SILT	BRWN	DAMP	GOOD	3692	42	11	118	0.3
RPS0208	0W	1050S	NW	5	MEDM	A	0.5	SILT	GRAY	DAMP	GOOD	3692	43	11	127	0.6
RPS0209	0W	1075S	W	5	MEDM	A	0.4	SILT	BRWN	DAMP	GOOD	3692	44	20	108	0.2
RPS0210	0W	1100S					0.3	SILT	GRAY	DAMP	GOOD	3692	45	18	94	0.9
RPS0211	0W	1125S	W	10		A	0.3	SILT	GRAY			3692	46	18	79	0.3
RPS0212	0W	1150S	W	5		A	0.3	SILT	GRAY	DAMP	GOOD	3692	47	7	51	0.2
RPS0213	0W	1175S	W	5		A	0.3	SILT	GRAY			3692	48	13	92	0.9
RPS0214	0W	1200S	W	10		A	0.3	SILT	BRWN			3692	49	9	85	0.2
RPS0215	0W	1225S	W	10		A	0.4	SILT	BRWN			3692	50	26	115	0.7
RPS0216	0W	1250S	W	10		A	0.3	SILT	ORNG	DAMP	GOOD	3692	51	21	95	1.6
RPS0217	0W	1275S	W	10		A	0.3	SILT	GRAY	WET	GOOD	3692	52	25	135	0.8

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

SAMPLE NUMBER	LINE NUMBER	STATION NUMBER	SLOPE ASPECT	SLOPE DEGREE	SITE RELIEF	HORIZON SAMPLED	SAMPLE DEPTH	SAMPLE TEXTURE	SAMPLE COLOUR	MOISTURE CONTENT	SITE DRAINAGE	REPORT NUMBER	LAB NUMBER	PB PPM	ZN PPM	AG PPM
RPS0218	0W	1300S	W	10		A	0.4	SILT	BRWN			3692	53	34	115	2.6
RPS0219	0W	1325S	W	5		A	0.3	SILT	BRWN			3692	54	15	100	0.2
RPS0220	0W	1350S	W	5		A	0.3	SILT	BRWN	DAMP	GOOD	3692	55	12	360	1.3
RPS0221	0W	1375S	W	5		A	0.3		GRAY	WET	POOR	3692	74	14	145	0.2
RPS0222	0W	1400S	W	5		A	0.3		GRAY	WET	POOR	3692	56	15	109	0.2
RPS0223	0W	1425S	W	5		A	0.3		GRAY			3692	57	12	42	1.2
RPS0224	0W	1450S	W	5		A	0.3		GRAY			3692	58	16	72	0.4
RPS0225	0W	1500S	W	5		A	0.3		GRAY			3692	59	13	32	0.7
RPS0226	0W	1575S	W	5		A	0.3		GRAY			3692	60	8	42	0.4
RPS0227	0W	1600S	W	5		A	0.3		GRAY			3692	61	10	68	0.6
RPS0228	0W	1625S	W	5		A	0.3		GRAY	WET		3692	62	18	73	1.0
RPS0229	0W	1650S	W	5		A	0.4		GRAY	WET		3692	63	17	90	0.4
RPS0230	0W	1675S	W	5		A	0.2		BRWN			3692	64	28	225	0.6
RPS0231	0W	1700S	W	5		A	0.3		GRAY			3692	66	32	182	0.9
RPS0232	0W	1725S				A	0.3		GRAY			3692	67	19	142	0.4
RPS0233	0W	1750S				A	0.3		GRAY			3692	68	24	130	0.5
RPS0234	0W	1850S				A	0.3		GRAY			3692	69	30	185	0.7
RPS0235	0W	1900S				A	0.1		ORNG			3692	70	25	129	1.8
RPS0236	0W	1925S	N	5	MEDM	A	0.3	SILT	GRAY	DAMP	GOOD	3692	71	19	120	0.5
RPS0237	0W	1950S				A	0.4	SILT	GRAY			3692	72	16	83	0.6

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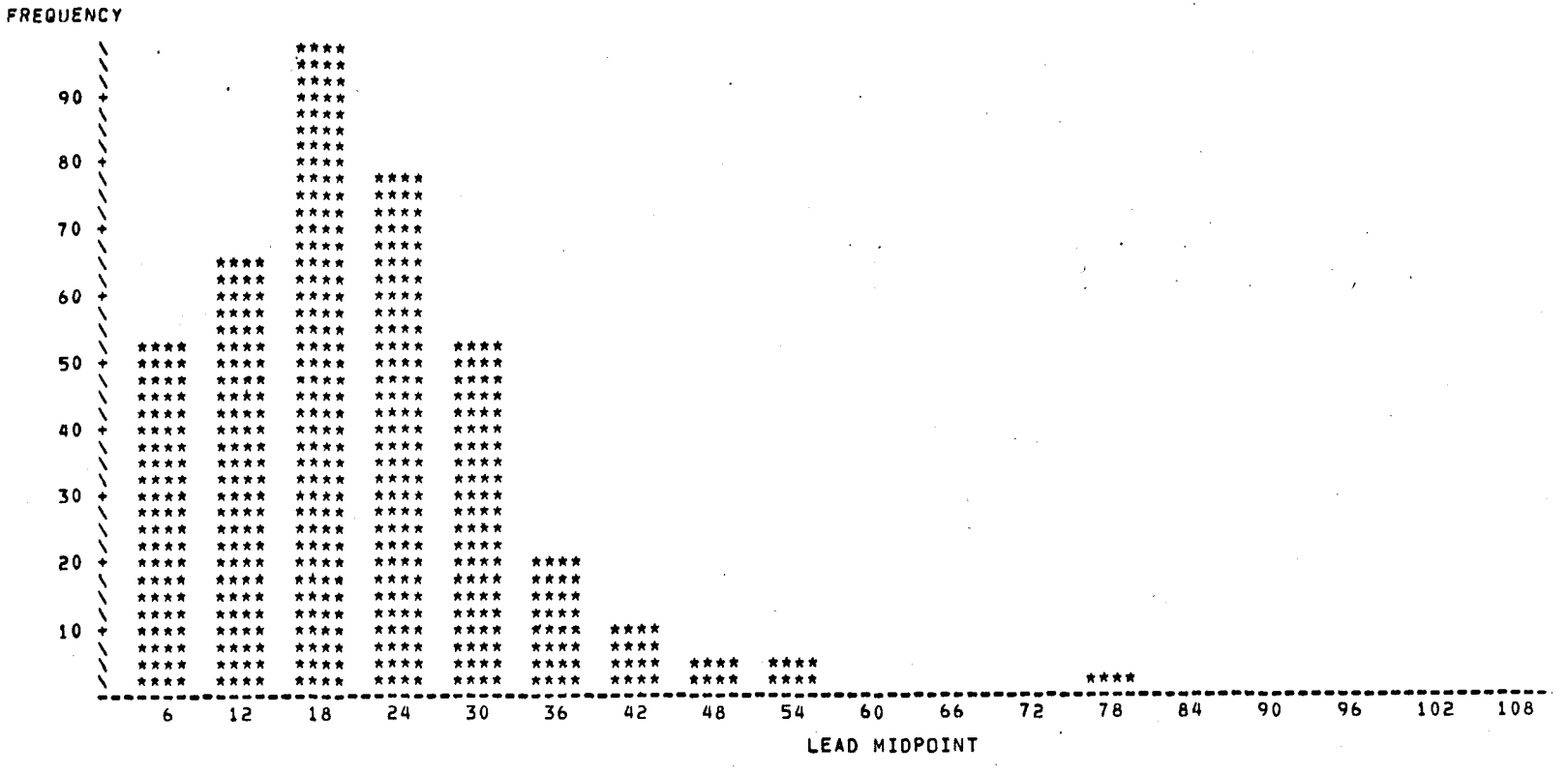
BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

ALL DATA

FREQUENCY BAR CHART



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1982 FIELD SEASON

SOIL & TILL SAMPLES

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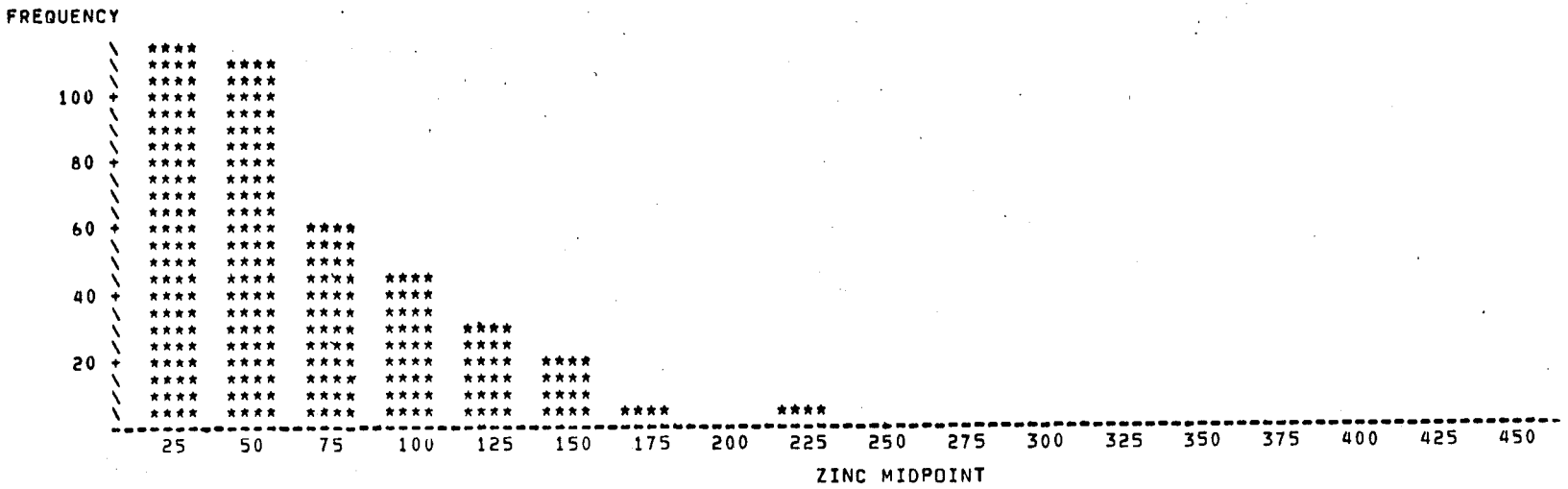
FREQUENCY BAR CHART



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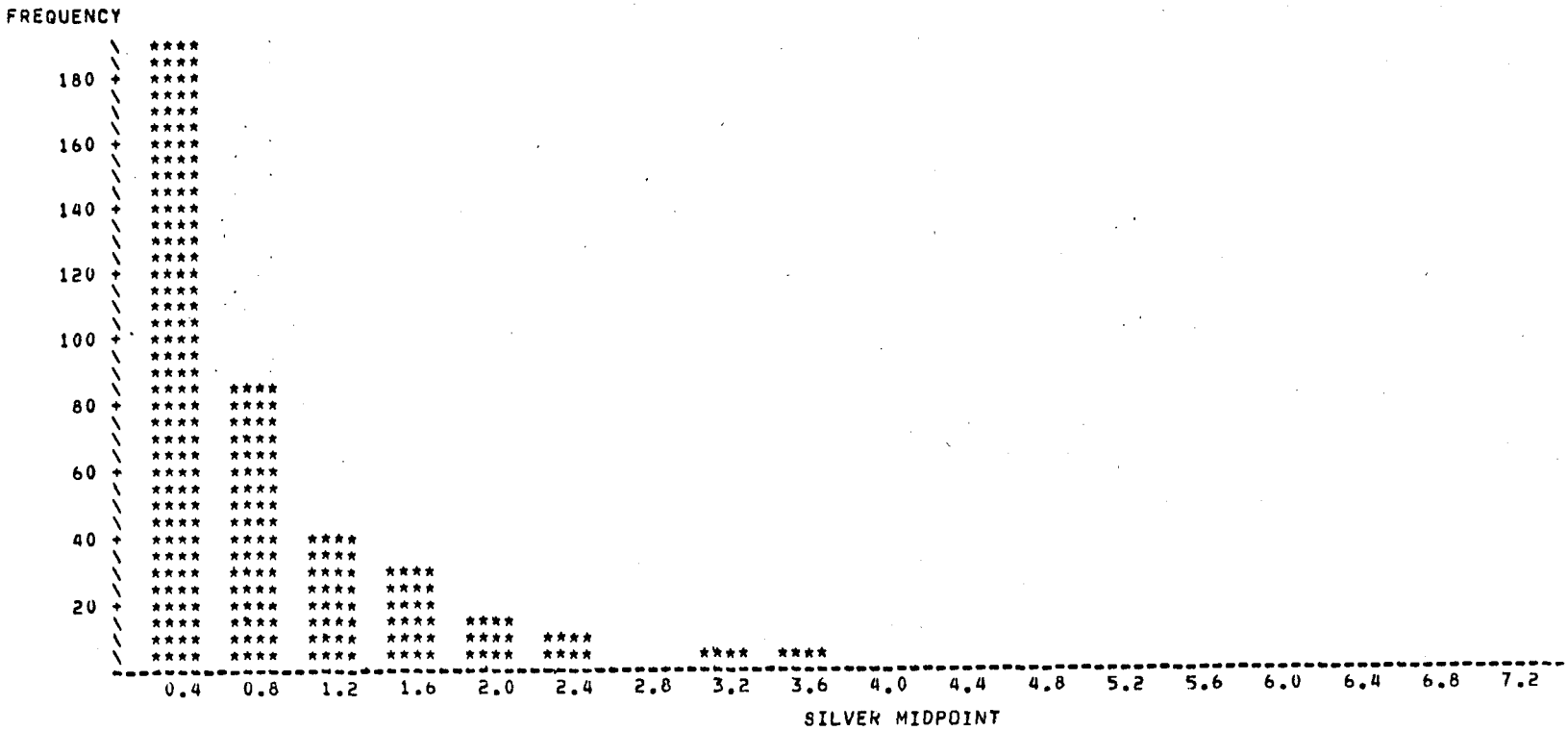
BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

ALL DATA

FREQUENCY BAR CHART



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BASE METAL RECONNAISSANCE - JK CLAIMS

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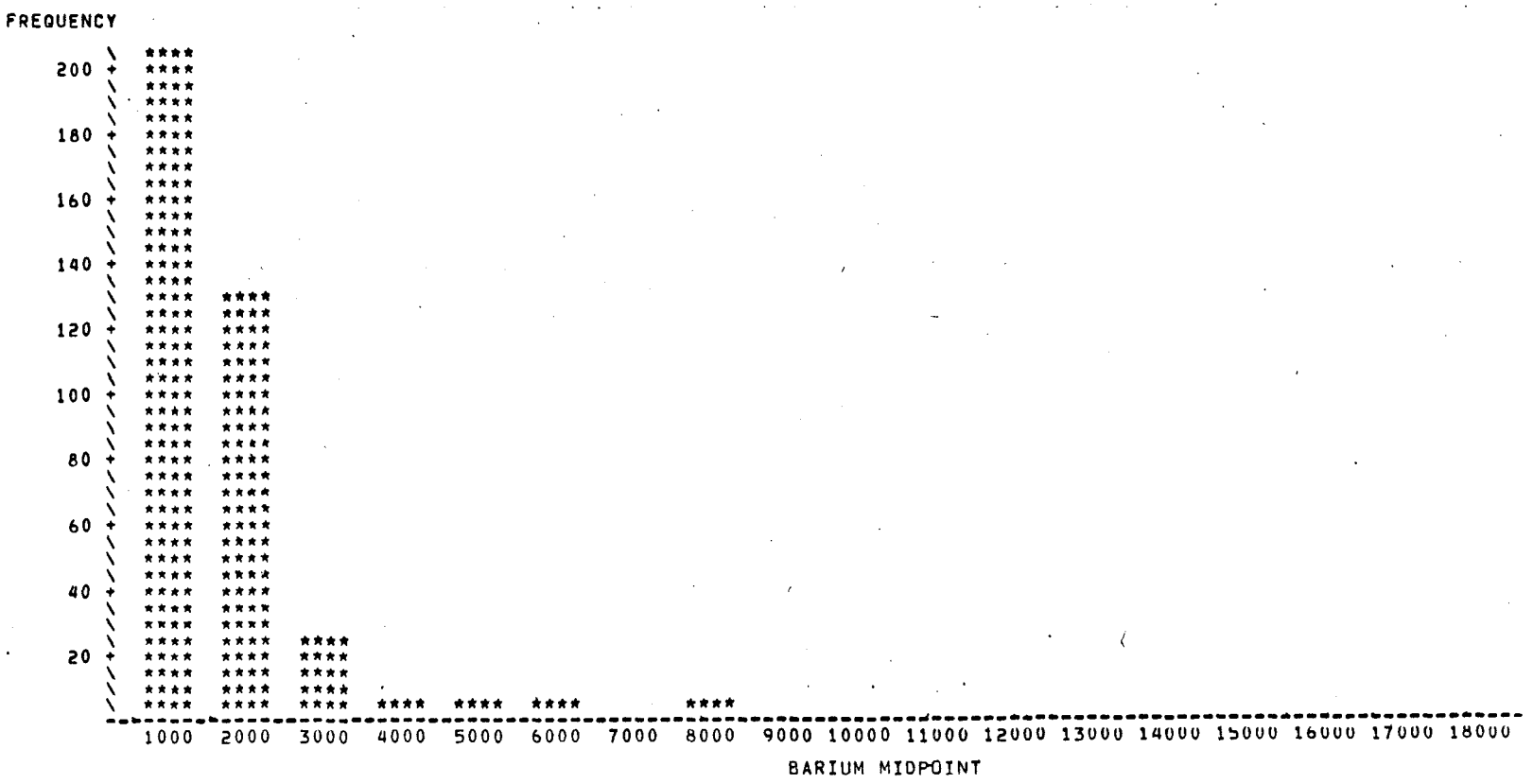
ALL DATA

FREQUENCY BAR CHART



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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

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ALL DATA

VARIABLE	N	MINIMUM VALUE	MAXIMUM VALUE	RANGE	MEAN	STANDARD DEVIATION
LEAD	395	2.00	127.00	125.00	21.31	13.34
ZINC	395	2.00	510.00	508.00	69.49	55.44
SILVER	395	0.20	8.50	8.30	0.85	0.94
BARIUM	395	170.00	20000.00	19830.00	2281.72	3147.96

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

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ALL DATA

UNIVARIATE

VARIABLE=LEAD

MOMENTS

N	395	SUM WGTS	395
MEAN	21.3089	SUM	8417
STD DEV	13.3371	VARIANCE	177.879
SKEWNESS	2.41026	KURTOSIS	12.5357
USS	249441	CSS	70084.3
CV	62.5896	STD MEAN	0.671064
T:MEAN=0	31.7539	PROB>|T|	0.0001

QUANTILES(DEF=4)

100% MAX	127	99%	79.0398
75% Q3	27	95%	44
50% MED	20	90%	34
25% Q1	13	10%	7.59998
0% MIN	2	5%	5
		1%	2
RANGE	125		
Q3-Q1	14		
MODE	18		

EXTR

LOWEST
2
2
2
2
2

MISSING VALUE

COUNT	1
% COUNT/NOBS	0.25

FREQUENCY TABLE

VALUE	COUNT	PERCENTS CELL	CUM
2	8	2.0	2.0
3	3	0.8	2.8
4	7	1.8	4.6
5	8	2.0	6.6
6	7	1.8	8.4
7	6	1.5	9.9
8	13	3.3	13.2
9	7	1.8	14.9
10	12	3.0	18.0
11	6	1.5	19.5
12	17	4.3	23.8
13	10	2.5	26.3
14	12	3.0	29.4
15	17	4.3	33.7
16	13	3.3	37.0
17	17	4.3	41.3
18	20	5.1	46.3
19	13	3.3	49.6
20	18	4.6	54.2
21	10	2.5	56.7
22	20	5.1	61.8
23	11	2.8	64.6
24	14	3.5	68.1
25	14	3.5	71.6
26	9	2.3	73.9
27	11	2.8	76.7
28	9	2.3	79.0
29	6	1.5	80.5
30	13	3.3	83.8
31	7	1.8	85.6
32	7	1.8	87.3
33	5	1.3	88.6
34	8	2.0	90.6
35	4	1.0	91.6
36	3	0.8	92.4
37	1	0.3	92.7
39	2	0.5	93.2
40	3	0.8	93.9
41	2	0.5	94.4
43	1	0.3	94.7
44	3	0.8	95.4
45	1	0.3	95.7
46	2	0.5	
47	2	0.5	
49	1	0.3	
51	1	0.3	
52	1	0.3	
53	2	0.5	
55	1	0.3	
58	1	0.3	
65	1	0.3	
77	1	0.3	
79	1	0.3	
80	1	0.3	
82	1	0.3	
127	1	0.3	

PERC CELL

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

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ALL DATA

UNIVARIATE

VARIABLE=ZINC

MOMENTS

N	395	SUM WGTS	395
MEAN	69.4861	SUM	27447
STD DEV	55.4402	VARIANCE	3073.62
SKEWNESS	2.78236	KURTOSIS	14.6394
USS	3118191	CSS	1211007
CV	79.7861	STD MEAN	2.7895
T:MEAN=0	24.9099	PROB>|T|	0.0001

QUANTILES(DEF=4)

100% MAX	510	99%	273.582
75% Q3	93	95%	153.8
50% MED	58	90%	133.8
25% Q1	32	10%	17
0% MIN	2	5%	11
		1%	4
RANGE	508		
Q3-Q1	61		
MODE	28		

EXTR

LOWEST
2
3
4
4
5

MISSING VALUE

COUNT	1
% COUNT/NOBS	0.25

FREQUENCY TABLE

VALUE	COUNT	PERCENTS CELL	PERCENTS CUM
2	1	0.3	0.3
3	1	0.3	0.5
4	2	0.5	1.0
5	1	0.3	1.3
6	3	0.8	2.0
7	1	0.3	2.3
8	1	0.3	2.5
9	3	0.8	3.3
10	4	1.0	4.3
11	3	0.8	5.1
12	4	1.0	6.1
13	3	0.8	6.8
14	4	1.0	7.8
15	3	0.8	8.6
16	3	0.8	9.4
17	3	0.8	10.1
18	2	0.5	10.6
19	1	0.3	10.9
20	1	0.3	11.1
21	3	0.8	11.9
22	7	1.8	13.7
23	2	0.5	14.2
24	1	0.3	14.4
25	9	2.3	16.7
26	3	0.8	17.5
28	11	2.8	20.3
29	1	0.3	20.5
30	9	2.3	22.8
31	5	1.3	24.1
32	9	2.3	26.3
33	4	1.0	27.3
34	1	0.3	27.6
35	2	0.5	28.1
36	2	0.5	28.6
38	3	0.8	29.4
39	3	0.8	30.1
40	8	2.0	32.2
41	6	1.5	33.7
42	9	2.3	35.9
43	4	1.0	37.0
44	1	0.3	37.2
45	3	0.8	38.0
46	4	1.0	39.0
47	1	0.3	39.2
48	9	2.3	41.5
49	1	0.3	41.8
50	7	1.8	43.5
51	5	1.3	44.8
52	4	1.0	45.8
53	3	0.8	46.6
54	5	1.3	47.8
55	5	1.3	49.1
56	2	0.5	49.6
57	1	0.3	49.9
58	2	0.5	50.4
59	5	1.3	51.6
60	9	2.3	53.9
61	2	0.5	54.4
62	9	2.3	56.7
63	6	1.5	58.2
64	2	0.5	58.7
65	6	1.5	60.3
66	2	0.5	60.8
68	5	1.3	62.0
69	1	0.3	62.3
70	6	1.5	63.8
72	3	0.8	64.6
73	1	0.3	64.8
74	2	0.5	65.3
75	1	0.3	65.6
77	1	0.3	65.8
78	2	0.5	66.3
79	2	0.5	66.8
80	6	1.5	68.4
81	2	0.5	68.9
82	1	0.3	69.1
83	6	1.5	70.6
84	1	0.3	70.9
85	3	0.8	PERC CELL
87	2	0.5	
88	1	0.3	
90	4	1.0	
91	1	0.3	
92	5	1.3	
93	1	0.3	
94	2	0.5	
95	1	0.3	
97	1	0.3	
98	2	0.5	
99	1	0.3	
100	5	1.3	
101	2	0.5	
102	1	0.3	
103	1	0.3	
104	1	0.3	
105	2	0.5	
106	3	0.8	
107	1	0.3	
108	3	0.8	
109	1	0.3	
110	1	0.3	
111	2	0.5	
112	2	0.5	
113	1	0.3	

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

ALL DATA

UNIVARIATE

VARIABLE=ZINC

FREQUENCY TABLE (CONT.)

VALUE	COUNT	PERCENTS CELL	CUM
114	1	0.3	83.8
115	6	1.5	85.3
116	1	0.3	85.6
117	2	0.5	86.1
118	5	1.3	87.3
120	3	0.8	88.1
122	1	0.3	88.4
127	1	0.3	88.6
128	1	0.3	88.9
129	1	0.3	89.1
130	2	0.5	89.6
131	1	0.3	89.9
133	1	0.3	90.1
135	1	0.3	90.4
136	2	0.5	90.9
138	2	0.5	91.4
139	2	0.5	91.9
140	1	0.3	92.2
142	3	0.8	92.9
143	1	0.3	93.2
145	2	0.5	93.7
148	2	0.5	94.2
150	3	0.8	94.9
153	1	0.3	95.2
157	1	0.3	95.4
159	1	0.3	95.7
160	2	0.5	96.2
170	2	0.5	96.7
182	1	0.3	97.0
185	2	0.5	97.5
210	2	0.5	
225	1	0.3	
230	1	0.3	
235	1	0.3	
250	1	0.3	
270	1	0.3	
360	1	0.3	
400	1	0.3	
510	1	0.3	

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BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

ALL DATA

UNIVARIATE

VARIABLE=SILVER

MOMENTS

N	395	SUM WGTS	395
MEAN	0.854937	SUM	337.7
STD DEV	0.942642	VARIANCE	0.888573
SKEWNESS	3.2355	KURTOSIS	16.6544
USS	638.81	CSS	350.098
CV	110.259	STD MEAN	0.0474294
T:MEAN=0	18.0254	PROB>\T\	0.0001

QUANTILES(DEF=4)

100% MAX	8.5	99%	4.04775
75% Q3	1	95%	2.63999
50% MED	0.6	90%	2
25% Q1	0.2	10%	0.2
0% MIN	0.2	5%	0.2
		1%	0.2
RANGE	8.3		
Q3-Q1	0.8		
MODE	0.2		

EXTR

LOWEST
0.2
0.2
0.2
0.2
0.2

MISSING VALUE

COUNT	1
% COUNT/NOBS	0.25

FREQUENCY TABLE

VALUE	COUNT	PERCENTS CELL	PERCENTS CUM
0.2	115	29.1	29.1
0.3	27	6.8	35.9
0.4	30	7.6	43.5
0.5	20	5.1	48.6
0.6	31	7.8	56.5
0.7	19	4.8	61.3
0.8	23	5.8	67.1
0.9	14	3.5	70.6
1	22	5.6	76.2
1.1	3	0.8	77.0
1.2	11	2.8	79.7
1.3	5	1.3	81.0
1.4	14	3.5	84.6
1.5	4	1.0	85.6
1.6	8	2.0	87.6
1.7	2	0.5	88.1
1.8	4	1.0	89.1
1.9	2	0.5	89.6
2	6	1.5	91.1
2.1	3	0.8	91.9
2.2	3	0.8	92.7
2.3	1	0.3	92.9
2.4	4	1.0	93.9
2.6	5	1.3	95.2
2.8	2	0.5	95.7
3	4	1.0	96.7
3.1	1	0.3	97.0
3.3	1	0.3	97.2
3.4	1	0.3	97.5
3.5	1	0.3	97.7
3.6	2	0.5	
3.7	1	0.3	
3.8	2	0.5	
4	1	0.3	
5.2	1	0.3	
7	1	0.3	
8.5	1	0.3	

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BASE METAL RECONNAISSANCE - JK CLAIMS

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UNIVARIATE

VARIABLE=BARIUM

MOMENTS

N	395	SUM WGTS	395
MEAN	2281.72	SUM	901280
STD DEV	3147.96	VARIANCE	9909640
SKEWNESS	4.73292	KURTOSIS	23.0035
USS	5960868200	CSS	39043982229
CV	137.964	STD MEAN	158.391
T:MEAN=0	14.4056	PROB>|T|	0.0001

QUANTILES(DEF=4)

100% MAX	20000	99%	20000
75% Q3	1960	95%	5985.99
50% MED	1470	90%	3028
25% Q1	1170	10%	1030
0% MIN	170	5%	940
		1%	639.2
RANGE	19830		
Q3-Q1	790		
MODE	20000		

EXTRE

LOWEST
170
560
620
640
750

MISSING VALUE

COUNT	1
% COUNT/NOBS	0.25

FREQUENCY TABLE

VALUE	COUNT	PERCENTS CELL	CUM
170	1	0.3	0.3
560	1	0.3	0.5
620	1	0.3	0.8
640	1	0.3	1.0
750	1	0.3	1.3
790	1	0.3	1.5
830	2	0.5	2.0
840	1	0.3	2.3
860	1	0.3	2.5
870	1	0.3	2.8
880	1	0.3	3.0
890	1	0.3	3.3
920	4	1.0	4.3
940	3	0.8	5.1
950	1	0.3	5.3
960	2	0.5	5.8
970	2	0.5	6.3
980	3	0.8	7.1
990	3	0.8	7.8
1000	1	0.3	8.1
1010	5	1.3	9.4
1020	1	0.3	9.6
1030	4	1.0	10.6
1040	2	0.5	11.1
1050	4	1.0	12.2
1060	5	1.3	13.4

VALUE	COUNT	PERCENTS CELL	CUM
1070	4	1.0	14.4
1080	3	0.8	15.2
1090	3	0.8	15.9
1100	5	1.3	17.2
1110	4	1.0	18.2
1120	8	2.0	20.3
1130	2	0.5	20.8
1140	7	1.8	22.5
1150	5	1.3	23.8
1160	3	0.8	24.6
1170	3	0.8	25.3
1180	2	0.5	25.8
1190	6	1.5	27.3
1200	3	0.8	28.1
1210	3	0.8	28.9
1220	5	1.3	30.1
1230	6	1.5	31.6
1240	4	1.0	32.7
1250	1	0.3	32.9
1260	1	0.3	33.2
1270	5	1.3	34.4
1280	4	1.0	35.4
1290	1	0.3	35.7
1300	6	1.5	37.2
1310	3	0.8	38.0
1320	4	1.0	39.0

VALUE	COUNT	PERCENTS CELL	CUM
1330	4	1.0	40.0
1340	2	0.5	40.5
1350	3	0.8	41.3
1360	1	0.3	41.5
1370	3	0.8	42.3
1380	4	1.0	43.3
1390	3	0.8	44.1
1400	4	1.0	45.1
1410	1	0.3	45.3
1420	2	0.5	45.8
1430	3	0.8	46.6
1440	6	1.5	48.1
1450	2	0.5	48.6
1460	3	0.8	49.4
1470	4	1.0	50.4
1480	5	1.3	51.6
1490	3	0.8	52.4
1500	1	0.3	52.7
1510	2	0.5	53.2
1520	4	1.0	54.2
1530	4	1.0	55.2
1540	2	0.5	55.7
1550	3	0.8	56.5
1560	3	0.8	57.2
1570	2	0.5	57.7
1580	2	0.5	58.2

VALUE	COUNT	PERCENTS CELL	PERC
1590	3	0.8	
1600	2	0.5	
1610	3	0.8	
1620	1	0.3	
1630	2	0.5	
1640	4	1.0	
1650	1	0.3	
1660	3	0.8	
1670	1	0.3	
1680	2	0.5	
1690	3	0.8	
1700	2	0.5	
1710	2	0.5	
1720	1	0.3	
1730	1	0.3	
1740	3	0.8	
1750	2	0.5	
1760	3	0.8	
1770	3	0.8	
1790	2	0.5	
1810	2	0.5	
1820	1	0.3	
1830	2	0.5	
1840	2	0.5	
1850	3	0.8	
1860	2	0.5	

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BASE METAL RECONNAISSANCE - JK CLAIMS

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UNIVARIATE

VARIABLE=BARIUM

FREQUENCY TABLE (CONT.)

VALUE	COUNT	PERCENTS CELL	CUM
1880	1	0.3	72.7
1890	1	0.3	72.9
1910	1	0.3	73.2
1920	2	0.5	73.7
1930	1	0.3	73.9
1940	4	1.0	74.9
1960	1	0.3	75.2
1980	1	0.3	75.4
1990	1	0.3	75.7
2000	2	0.5	76.2
2020	1	0.3	76.5
2030	1	0.3	76.7
2050	3	0.8	77.5
2060	1	0.3	77.7
2070	1	0.3	78.0
2080	1	0.3	78.2
2090	1	0.3	78.5
2100	1	0.3	78.7
2140	1	0.3	79.0
2160	1	0.3	79.2
2170	3	0.8	80.0

VALUE	COUNT	PERCENTS CELL	CUM
2180	1	0.3	80.3
2190	2	0.5	80.8
2210	1	0.3	81.0
2220	1	0.3	81.3
2230	1	0.3	81.5
2270	2	0.5	82.0
2310	1	0.3	82.3
2330	1	0.3	82.5
2350	1	0.3	82.8
2430	1	0.3	83.0
2440	2	0.5	83.5
2450	1	0.3	83.8
2460	1	0.3	84.1
2480	1	0.3	84.3
2490	3	0.8	85.1
2530	1	0.3	85.3
2540	1	0.3	85.6
2560	1	0.3	85.8
2610	2	0.5	86.3
2660	1	0.3	86.6
2750	1	0.3	86.8

VALUE	COUNT	PERCENTS CELL	CUM
2760	1	0.3	87.1
2770	1	0.3	87.3
2800	1	0.3	87.6
2810	1	0.3	87.8
2840	1	0.3	88.1
2860	1	0.3	88.4
2870	1	0.3	88.6
2890	1	0.3	88.9
2900	1	0.3	89.1
2910	1	0.3	89.4
2950	1	0.3	89.6
3020	2	0.5	90.1
3040	1	0.3	90.4
3180	1	0.3	90.6
3270	1	0.3	90.9
3380	1	0.3	91.1
3580	1	0.3	91.4
3600	1	0.3	91.6
3620	3	0.8	92.4
3940	1	0.3	92.7
4250	1	0.3	92.9

VALUE	COUNT	PE CEL
4530	1	0.
4610	1	0.
4780	1	0.
5110	1	0.
5140	1	0.
5170	1	0.
5220	1	0.
5850	1	0.
5950	1	0.
6130	1	0.
6980	1	0.
7040	1	0.
7500	1	0.
7860	1	0.
8040	1	0.
8090	1	0.
11740	1	0.
14680	1	0.
18360	1	0.
20000	9	2.

BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

ALL DATA

UNIVARIATE

VARIABLE=BARIUM

MOMENTS

N	395	SUM WGTS	395
MEAN	2281.72	SUM	901280
STD DEV	3147.96	VARIANCE	9909640
SKEWNESS	4.73292	KURTOSIS	23.0035
USS	5960868200	CSS	3904398229
CV	137.964	STD MEAN	158.391
T:MEAN=0	14.4056	PROB>|T|	0.0001

QUANTILES(DEF=4)

100% MAX	20000	99%	20000
75% Q3	1960	95%	5985.99
50% MED	1470	90%	3028
25% Q1	1170	10%	1030
0% MIN	170	5%	940
		1%	639.2
RANGE	19830		
Q3-Q1	790		
MODE	20000		

EXTRE

LOWEST
170
560
620
640
750

MISSING VALUE

COUNT	1
% COUNT/NOBS	0.25

FREQUENCY TABLE

VALUE	COUNT	PERCENTS CELL	PERCENTS CUM
170	1	0.3	0.3
560	1	0.3	0.5
620	1	0.3	0.8
640	1	0.3	1.0
750	1	0.3	1.3
790	1	0.3	1.5
830	2	0.5	2.0
840	1	0.3	2.3
860	1	0.3	2.5
870	1	0.3	2.8
880	1	0.3	3.0
890	1	0.3	3.3
920	4	1.0	4.3
940	3	0.8	5.1
950	1	0.3	5.3
960	2	0.5	5.8
970	2	0.5	6.3
980	3	0.8	7.1
990	3	0.8	7.8
1000	1	0.3	8.1
1010	5	1.3	9.4
1020	1	0.3	9.6
1030	4	1.0	10.6
1040	2	0.5	11.1
1050	4	1.0	12.2
1060	5	1.3	13.4
1070	4	1.0	14.4
1080	3	0.8	15.2
1090	3	0.8	15.9
1100	5	1.3	17.2
1110	4	1.0	18.2
1120	8	2.0	20.3
1130	2	0.5	20.8
1140	7	1.8	22.5
1150	5	1.3	23.8
1160	3	0.8	24.6
1170	3	0.8	25.3
1180	2	0.5	25.8
1190	6	1.5	27.3
1200	3	0.8	28.1
1210	3	0.8	28.9
1220	5	1.3	30.1
1230	6	1.5	31.6
1240	4	1.0	32.7
1250	1	0.3	32.9
1260	1	0.3	33.2
1270	5	1.3	34.4
1280	4	1.0	35.4
1290	1	0.3	35.7
1300	6	1.5	37.2
1310	3	0.8	38.0
1320	4	1.0	39.0
1330	4	1.0	40.0
1340	2	0.5	40.5
1350	3	0.8	41.3
1360	1	0.3	41.5
1370	3	0.8	42.3
1380	4	1.0	43.3
1390	3	0.8	44.1
1400	4	1.0	45.1
1410	1	0.3	45.3
1420	2	0.5	45.8
1430	3	0.8	46.6
1440	6	1.5	48.1
1450	2	0.5	48.6
1460	3	0.8	49.4
1470	4	1.0	50.4
1480	5	1.3	51.6
1490	3	0.8	52.4
1500	1	0.3	52.7
1510	2	0.5	53.2
1520	4	1.0	54.2
1530	4	1.0	55.2
1540	2	0.5	55.7
1550	3	0.8	56.5
1560	3	0.8	57.2
1570	2	0.5	57.7
1580	2	0.5	58.2
1590	3	0.8	
1600	2	0.5	
1610	3	0.8	
1620	1	0.3	
1630	2	0.5	
1640	4	1.0	
1650	1	0.3	
1660	3	0.8	
1670	1	0.3	
1680	2	0.5	
1690	3	0.8	
1700	2	0.5	
1710	2	0.5	
1720	1	0.3	
1730	1	0.3	
1740	3	0.8	
1750	2	0.5	
1760	3	0.8	
1770	3	0.8	
1790	2	0.5	
1810	2	0.5	
1820	1	0.3	
1830	2	0.5	
1840	2	0.5	
1850	3	0.8	
1860	2	0.5	

ABERFORD RESOURCES LTD.

ABERFORD RESOURCES LTD. 17:01 FRIDAY, OCTOBER

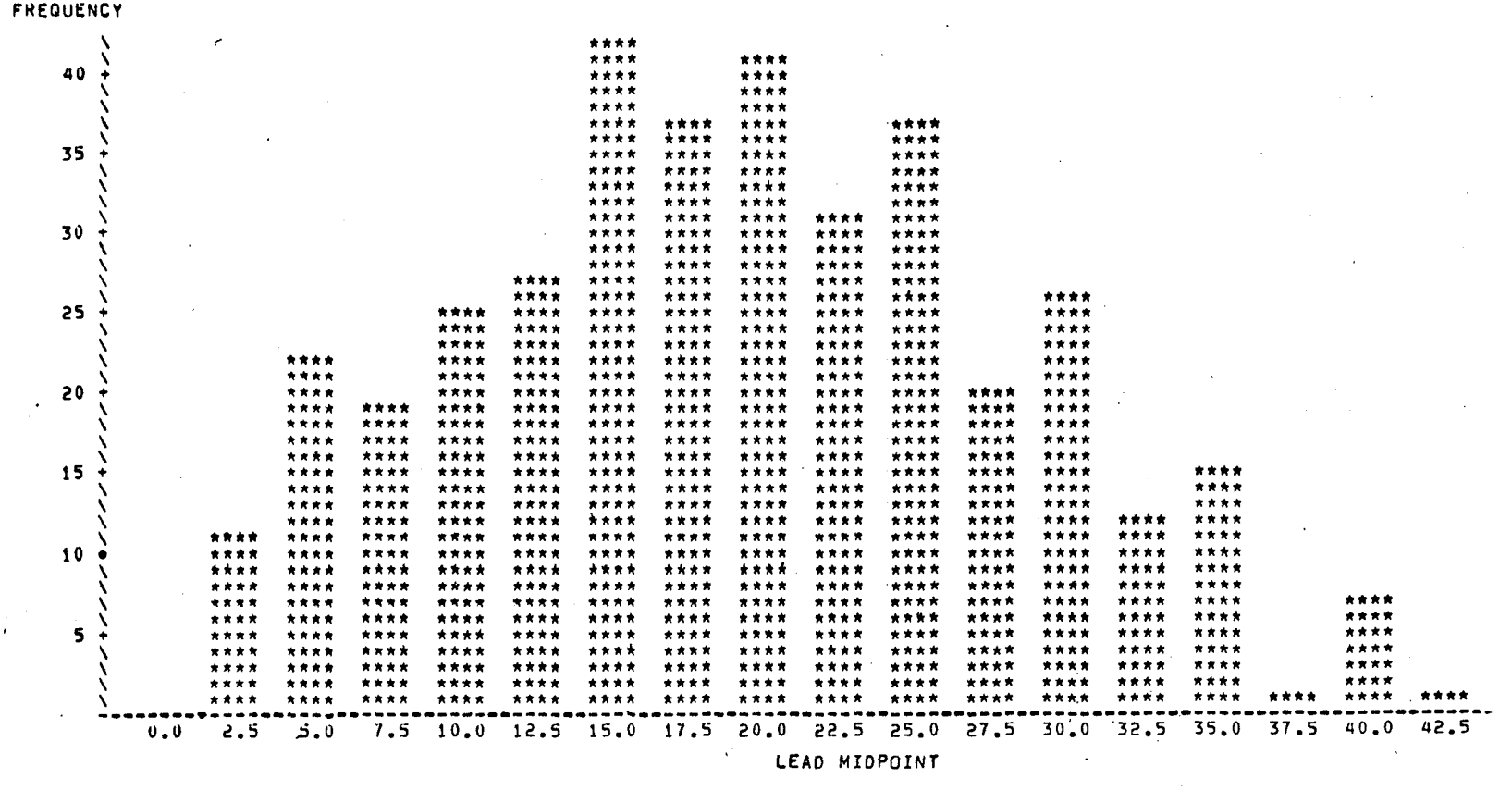
BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

TRIMMED DATA

FREQUENCY BAR CHART



ABERFORD RESOURCES LTD.

ABERFORD RESOURCES LTD.

17:01 FRIDAY, OCTOBER

BASE METAL RECONNAISSANCE - JK CLAIMS

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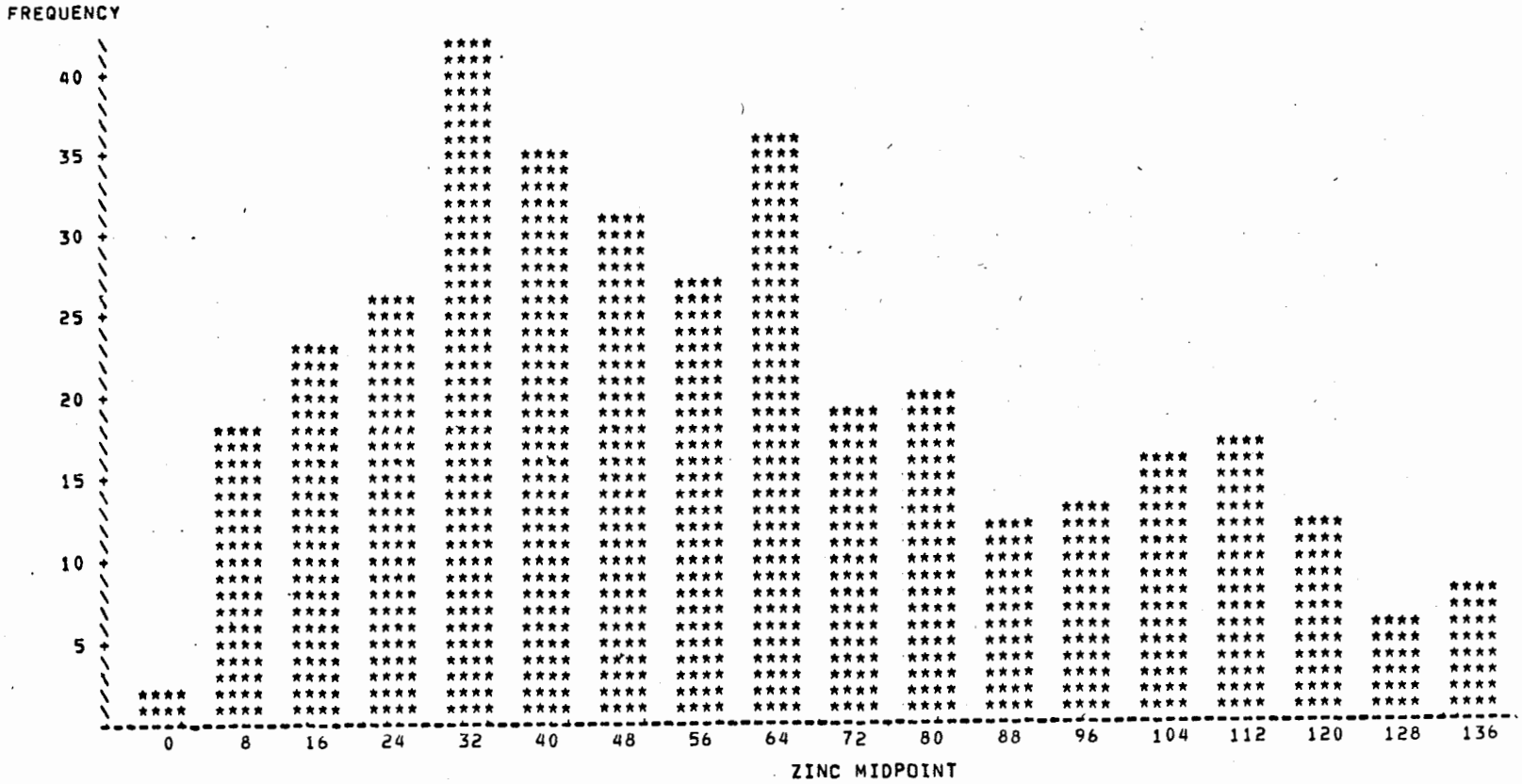

ABERFORD RESOURCES LTD.

ABERFORD RESOURCES LTD.

17:01 FRIDAY, OCTOBER

BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

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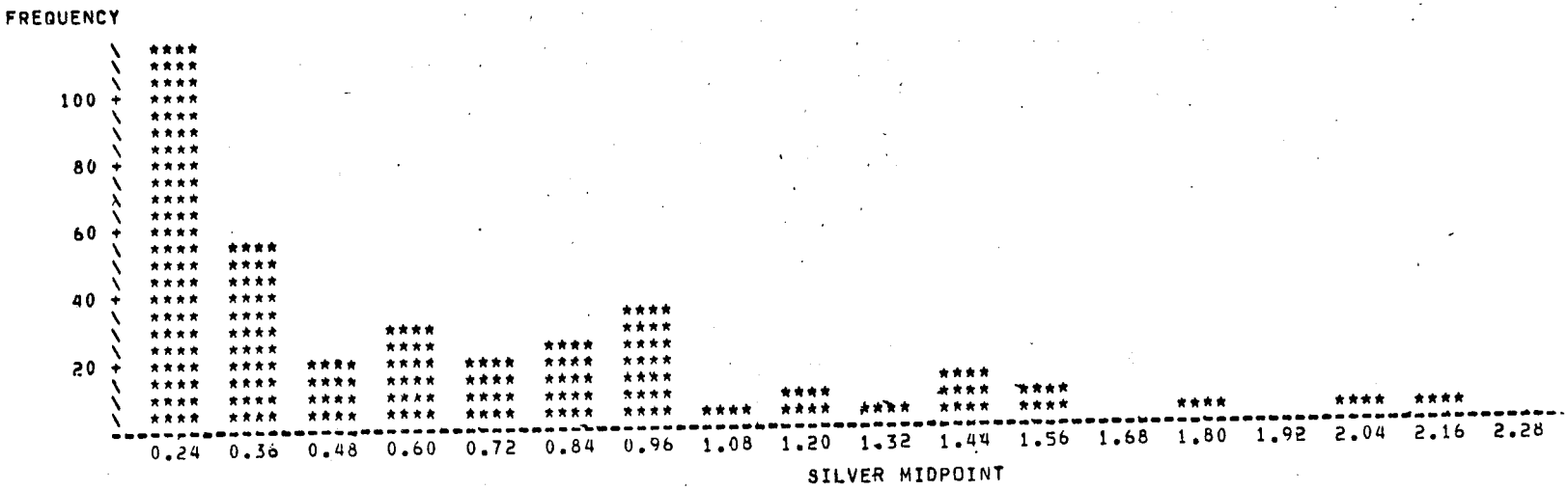
TRIMMED DATA

FREQUENCY BAR CHART



ABERFORD RESOURCES LTD.

ABERFORD RESOURCES LTD. 17:01 FRIDAY, OCTOBER

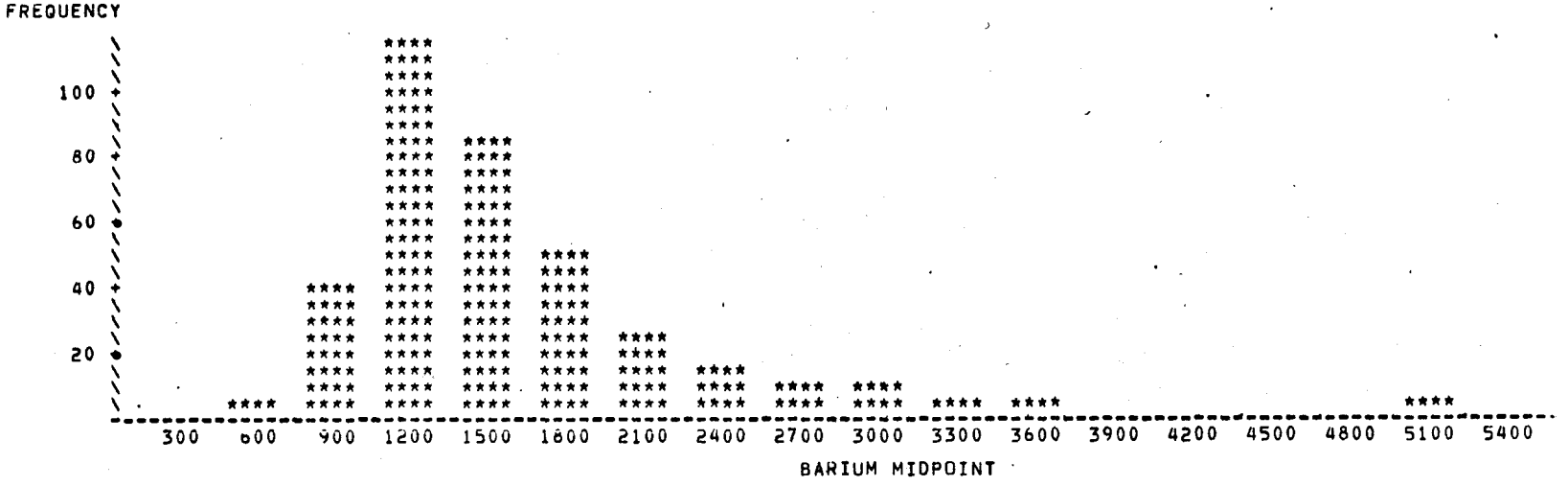
BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

TRIMMED DATA

FREQUENCY BAR CHART



ABERFORD RESOURCES LTD.

ABERFORD RESOURCES LTD.

BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

TRIMMED DATA

VARIABLE	N	MINIMUM VALUE	MAXIMUM VALUE	RANGE	MEAN	STANDARD DEVIATION
LEAD	378	2.00	45.00	43.00	19.44	9.29
ZINC	375	2.00	150.00	148.00	60.98	36.85
SILVER	376	0.20	2.60	2.40	0.70	0.58
BARIUM	375	170.00	5850.00	5680.00	1650.43	783.52

BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

SOIL & TILL SAMPLES

TRIMMED DATA

CORRELATION COEFFICIENTS / PROB > \R\ UNDER HO:RHO=0 / NUMBER OF OBSERVATIONS

	LEAD	ZINC	SILVER	BARIUM
LEAD	1.00000 0.0000 378	0.49049 0.0001 358	0.41839 0.0001 365	0.33917 0.0001 358
ZINC	0.49049 0.0001 358	1.00000 0.0000 375	0.00680 0.8983 356	0.40097 0.0001 356
SILVER	0.41839 0.0001 365	0.00680 0.8983 356	1.00000 0.0000 376	0.13616 0.0100 357
BARIUM	0.33917 0.0001 358	0.40097 0.0001 356	0.13616 0.0100 357	1.00000 0.0000 375

ABERFORD RESOURCES LTD. 18:05 FRIDAY, OCT(

BASE METAL RECONNAISSANCE - JK CLAIMS

1982 FIELD SEASON

STREAM SEDIMENT SAMPLE

SAMPLE	LINE	STATION	LAB	REPORT	CU_PPM	PB_PPM	ZN_PPM	AG_PPM	BA_PPM
GFM5098	0W	6950S	104	3482	50	17	485	0.4	1840

APPENDIX "B"

Certificate of Work

(Copy of Statement of Work, previously submitted in December, 1982)

This is Exhibit "A" attached to and forming part of that certain Application for a Certificate of Work of Gerald F. McArthur, dated the 15th day of December 1982.

The following is a detailed Statement of Work for the period of August 13, 1982, to September 25, 1982.

EXHIBIT "A"

LIST OF MINERAL CLAIMS J.K. 1-160

Tag No.	Claim Name	Renewal Period Requested
YA-62639	J.K. 1	2 years
YA-62640	J.K. 2	2 years
YA-62641	J.K. 3	2 years
YA-62642	J.K. 4	2 years
YA-62643	J.K. 5	2 years
YA-62644	J.K. 6	2 years
YA-62645	J.K. 7	2 years
YA-62646	J.K. 8	2 years
YA-62647	J.K. 9	2 years
YA-62648	J.K. 10	2 years
YA-62649	J.K. 11	2 years
YA-62650	J.K. 12	2 years
YA-62651	J.K. 13	2 years
YA-62652	J.K. 14	2 years
YA-62653	J.K. 15	2 years
YA-62654	J.K. 16	2 years
YA-62655	J.K. 17	2 years
YA-62656	J.K. 18	2 years
YA-62657	J.K. 19	2 years
YA-62658	J.K. 20	2 years
YA-62659	J.K. 21	2 years
YA-62660	J.K. 22	2 years
YA-62661	J.K. 23	2 years
YA-62662	J.K. 24	2 years
YA-62663	J.K. 25	2 years
YA-62664	J.K. 26	2 years
YA-62665	J.K. 27	2 years
YA-62666	J.K. 28	2 years
YA-62667	J.K. 29	2 years
YA-62668	J.K. 30	2 years
YA-62669	J.K. 31	2 years
YA-62670	J.K. 32	2 years

Tag No.	Claim Name	Renewal Period Requested
YA-62671	J.K. 33	2 years
YA-62672	J.K. 34	2 years
YA-62673	J.K. 35	2 years
YA-62674	J.K. 36	2 years
YA-62675	J.K. 37	2 years
YA-62676	J.K. 38	2 years
YA-62677	J.K. 39	2 years
YA-62678	J.K. 40	2 years
YA-62679	J.K. 41	2 years
YA-62680	J.K. 42	2 years
YA-62681	J.K. 43	2 years
YA-62682	J.K. 44	2 years
YA-62683	J.K. 45	2 years
YA-62684	J.K. 46	2 years
YA-62685	J.K. 47	2 years
YA-62686	J.K. 48	2 years
YA-62687	J.K. 49	2 years
YA-62688	J.K. 50	2 years
YA-62689	J.K. 51	2 years
YA-62690	J.K. 52	2 years
YA-62691	J.K. 53	2 years
YA-62692	J.K. 54	2 years
YA-62693	J.K. 55	2 years
YA-62694	J.K. 56	2 years
YA-62695	J.K. 57	2 years
YA-62696	J.K. 58	2 years
YA-62697	J.K. 59	2 years
YA-62698	J.K. 60	2 years
YA-62699	J.K. 61	2 years
YA-62700	J.K. 62	2 years

Tag No.	Claim Name	Renewal Period Requested
YA-62701	J.K. 63	2 years
YA-62702	J.K. 64	2 years
YA-62703	J.K. 65	2 years
YA-62704	J.K. 66	2 years
YA-62705	J.K. 67	2 years
YA-62706	J.K. 68	2 years
YA-62707	J.K. 69	2 years
YA-62708	J.K. 70	2 years
YA-62709	J.K. 71	2 years
YA-62710	J.K. 72	2 years
YA-62711	J.K. 73	2 years
YA-62712	J.K. 74	2 years
YA-62713	J.K. 75	2 years
YA-62714	J.K. 76	2 years
YA-62715	J.K. 77	2 years
YA-62716	J.K. 78	2 years
YA-62717	J.K. 79	2 years
YA-62718	J.K. 80	2 years
YA-62719	J.K. 81	2 years
YA-62720	J.K. 82	2 years
YA-62721	J.K. 83	2 years
YA-62722	J.K. 84	2 years
YA-62723	J.K. 85	2 years
YA-62724	J.K. 86	2 years
YA-62725	J.K. 87	2 years
YA-62726	J.K. 88	2 years
YA-62727	J.K. 89	2 years
YA-62728	J.K. 90	2 years
YA-62729	J.K. 91	2 years
YA-62730	J.K. 92	2 years

Tag No.	Claim Name	Renewal Period Requested
YA-62731	J.K. 93	2 years
YA-62732	J.K. 94	2 years
YA-62733	J.K. 95	2 years
YA-62734	J.K. 96	2 years
YA-62735	J.K. 97	2 years
YA-62736	J.K. 98	2 years
YA-62737	J.K. 99	2 years
YA-62738	J.K. 100	2 years
YA-62739	J.K. 101	2 years
YA-62740	J.K. 102	2 years
YA-62741	J.K. 103	1 year
YA-62742	J.K. 104	1 year
YA-62743	J.K. 105	1 year
YA-62744	J.K. 106	1 year
YA-62745	J.K. 107	1 year
YA-62746	J.K. 108	1 year
YA-62747	J.K. 109	1 year
YA-62748	J.K. 110	1 year
YA-62749	J.K. 111	1 year
YA-62750	J.K. 112	1 year
YA-62751	J.K. 113	1 year
YA-62752	J.K. 114	1 year
YA-62753	J.K. 115	1 year
YA-62754	J.K. 116	1 year
YA-62755	J.K. 117	1 year
YA-62756	J.K. 118	1 year
YA-62757	J.K. 119	1 year
YA-62758	J.K. 120	1 year
YA-62759	J.K. 121	1 year
YA-62760	J.K. 122	1 year

Tag No.	Claim Name	Renewal Period Requested
YA-62761	J.K. 123	1 year
YA-62762	J.K. 124	1 year
YA-62763	J.K. 125	1 year
YA-62764	J.K. 126	1 year
YA-62765	J.K. 127	1 year
YA-62766	J.K. 128	1 year
YA-62767	J.K. 129	1 year
YA-62768	J.K. 130	1 year
YA-62769	J.K. 131	1 year
YA-62770	J.K. 132	1 year
YA-62771	J.K. 133	1 year
YA-62772	J.K. 134	1 year
YA-62773	J.K. 135	1 year
YA-62774	J.K. 136	1 year
YA-62775	J.K. 137	1 year
YA-62776	J.K. 138	1 year
YA-62777	J.K. 139	1 year
YA-62778	J.K. 140	1 year
YA-62779	J.K. 141	1 year
YA-62780	J.K. 142	1 year
YA-62781	J.K. 143	1 year
YA-62782	J.K. 144	1 year
YA-62783	J.K. 145	1 year
YA-62784	J.K. 146	1 year
YA-62785	J.K. 147	1 year
YA-62786	J.K. 148	1 year
YA-62787	J.K. 149	1 year
YA-62788	J.K. 150	1 year
YA-62789	J.K. 151	1 year
YA-62790	J.K. 152	1 year

Tag No.	Claim Name	Renewal Period Requested
YA-62791	J.K. 153	1 year
YA-62792	J.K. 154	1 year
YA-62793	J.K. 155	1 year
YA-62794	J.K. 156	1 year
YA-62795	J.K. 157	1 year
YA-62796	J.K. 158	1 year
YA-62797	J.K. 159	1 year
YA-62798	J.K. 160	1 year

This is Exhibit "B" attached to and forming part of that certain Application for a Certificate of Work of Gerald F. McArthur, dated the 15th day of December 1982.

The following is a detailed Statement of Work for the period of August 13, 1982, to September 25, 1982.

EXHIBIT "B"

LIST OF EXPENDITURES
J.K. 1-160 Mineral Claims

Salaries (includes Bonuses and Burden)

R. P. Seyler - Project Geologist ($200/day)		
Geochemistry - Sept. 13, 15, 16, 18, 19, 1982	5 man-days @ $200	$1,000
Trenching - Sept. 14, 17, 1982	2 man-days @ $200	400
Prospecting - Aug. 16, 17, Sept. 22, 1982	3 man-days @ $200	600
	10 man-days	$2,000
G. F. McArthur - Senior Geologist ($225/day)		
Geochemistry - Sept. 17, 18, 19, 1982	3 man-days @ $225	$ 675
D. Hume - Geologist ($96/day)		
Prospecting - Aug. 16, 17, 1982	2 man-days @ $96	$ 192
G. Chabot - Geologist ($103/day)		
Geochemistry - Sept. 13, 1982	1 man-day @ $103	$ 103
J. Kapusta - Geologist ($96/day)		
Geochemistry - Sept. 16, 17, 19	3 man-days @ $96	$ 288
Trenching - Sept. 18	1 man-day @ $96	96
Prospecting - Sept. 22	1 man-day @ $96	96
	5 man-days	$ 480
B. Girling - Prospector ($86/day)		
Geochemistry - Sept. 13, 14, 15, 21	4 man-days @ $86	$ 344
Trenching - Sept. 16, 18, 19	3 man-days @ $86	258
Prospecting - Sept. 22	1 man-day @ $86	86
	8 man-days	$ 688
R. Fader - Prospector/Blaster ($150/day)		
Trenching - Sept. 14, 16, 18, 19	4 man-days @ $150	$ 600
Prospecting - Sept. 22	1 man-day @ $150	150
	5 man-days	$ 750
D. Sali - Sampler ($75/day)		
Geochemistry - Sept. 18, 19	2 man-days @ $75	$ 150
Total	Man-days: 36	$5,038

Room and Board

Exploration Crew -	36 man-days @ $30/day	$1,080.00
Helicopter Pilot -	11 man-days @ $30/day	330.00
		$1,410.00

General Business Expense

(as per expense account reports)	$ 226.09

Commercial Transport

CP Air	$ 565.14
T.N.T.A.	152.52
	$ 717.66

Helicopter Expense

Viking Helicopters	- 14.25 hrs. x $425/hr.	$6,056.25
Fuel	- 9 barrels @ $150/barrel	1,350.00
		$7,406.25

Expediting Services

Frontier Expediters, Whitehorse	$1,065.00

Commercial Freight

North of Sixty Transport Ltd.	$ 60.00
Frontier Expediting Ltd.	282.50
CP Air	565.14
T.N.T.A.	92.52
	$1,000.16

Trenching

Yukon Explosives Ltd., Whitehorse	$ 609.09
Knut Rassmussen Ltd. (equipment rental)	450.00
	$1,059.09

Geochemical Analysis

395 soil samples analyzed for Pb, Zn, Ag, Ba @ $7.70/sample	$3,041.00
14 rock assays for Pb, Zn, Ag, Ba @ $25/sample	350.00
395 samples prepared and rejects retained @ $1.00 each	395.00
Data transmittal charge @ $0.16 each	65.44
	$3,851.44

Technical Information		
Air photographs		$ 163.50
Project and Report Preparation		$2,500.00
Exploration Administration - Administrative Overhead		$1,850.74
	Total	$26,287.93

DRAWING NO.
D-1483

130° 20'

63° 10'

N

1220
1352
1524
1828
1676
1372
1980

Line 45+00 W
Line 36+50 W from Jason Grid
Line 18+00 W
Line 16+00 W
Line 2+00 W
Line 0+00 W

PLATE 1

091409

m 158 79 0 158 317 475 634 792 m

TO ACCOMPANY REPORT NO. 27-82 / 39-81 BY J.D.K.

ABERFORD RESOURCES LTD.

LINECUTTING

JK CLAIMS

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1981	1:15,840	105 O/1	D-1483

REVISED DEC., 1982

JCC
K.B.B.

JP555 A1 P00

DRAWING NO. D-1482

130° 20'

63° 10'

N

1220

1372

1524

1676

1828

1980

R.R.

Line 45°00 W

Line 36°50 W

Line 18°00 W

Line 16°00 W

Line 2°00 W

Line 0°00 W

30°

LEGEND

ROAD RIVER FORMATION

R.R. — BLACK CARBONACEOUS GRAPTOLITIC SHALES, BLACK LIMY SHALES, ARGILLACEOUS LIMESTONE CALCAREOUS ARGILLITE

LOWER EARN GROUP

1 — SAND BANDED ARGILLITE, SANDSTONE, ARGILLITE-CLAST BRECCIA, BLACK ARGILLITE, CHERTY BLACK ARGILLITE

UPPER EARN GROUP

2 — RIPPLE-CROSS LAMINATED AND PLANE-PARALLEL LAMINATED SANDSTONE AND SILTSTONE, SILTY SHALE "TURBIDITE SEQUENCES"

+ + + — INTRUSIVES

SYMBOLS

- FAULT
- GEOLOGICAL BOUNDARY DEFINED, ASSUMED
- ANTICLINE
- SYNCLINE
- ANTICLINE AND SYNCLINE OVERTURNED
- BEDDED BARITE

PLATE 2

091169

m 158 79 0 158 317 475 634 792 m

TO ACCOMPANY REPORT NO. 27-82 / 39-81 BY J.D.K.

ABERFORD RESOURCES LTD.

GEOLOGY

JK CLAIMS

JK PROJECT, 1982

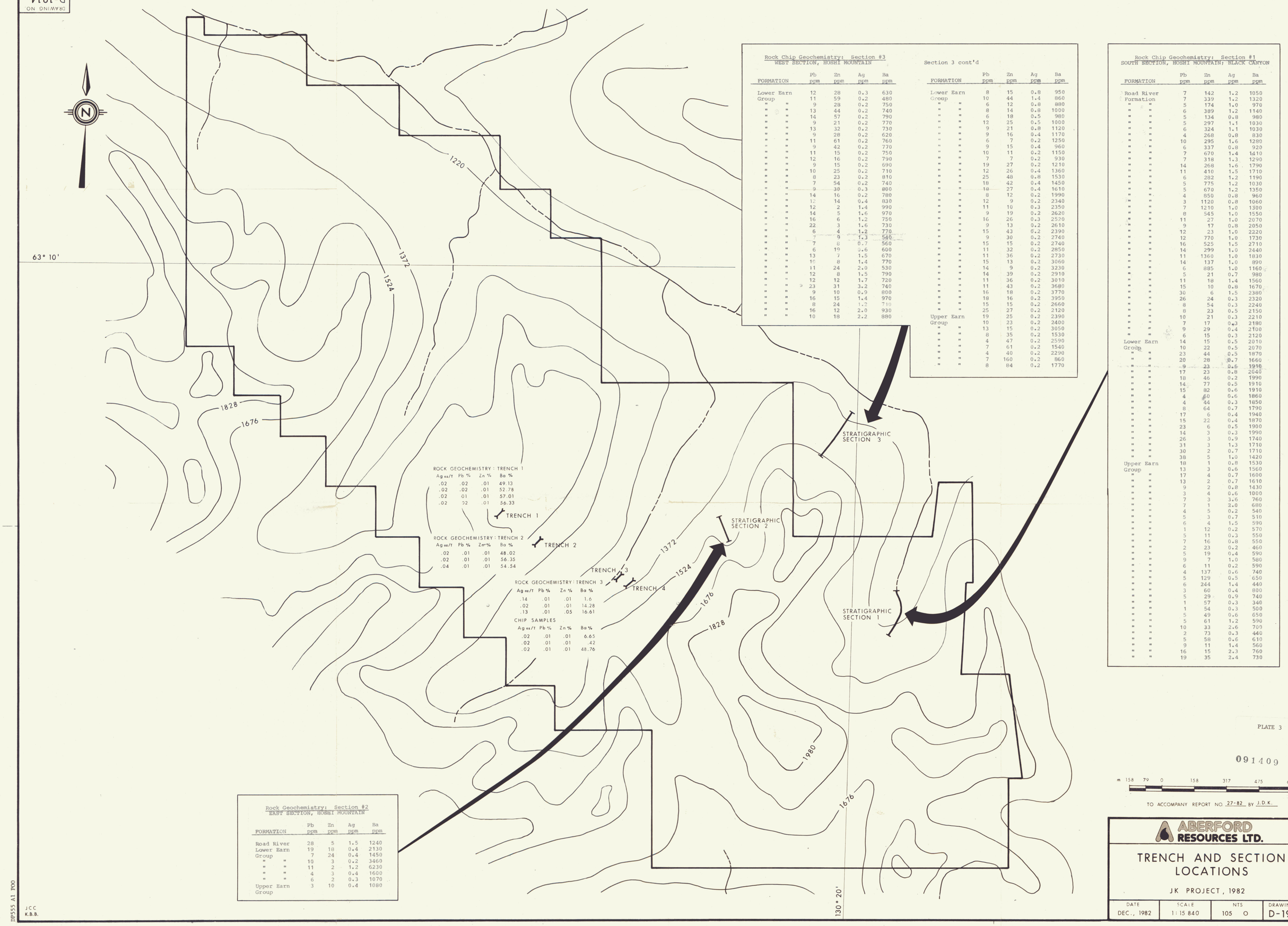
DATE	SCALE	NTS	DRAWING NO.
DEC., 1981	1:15,840	105 O/1	D-1482

REVISED: DEC., 1982

DP555 A1 P00

K.B.B. / R.F.

DRAWING NO. D-1914



ROCK GEOCHEMISTRY: TRENCH 1

Ag oz/t	Pb %	Zn %	Ba %
.02	.02	.01	49.13
.02	.02	.01	52.78
.02	.01	.01	57.01
.02	.02	.01	56.33

ROCK GEOCHEMISTRY: TRENCH 2

Ag oz/t	Pb %	Zn %	Ba %
.02	.01	.01	48.02
.02	.01	.01	56.35
.04	.01	.01	54.54

ROCK GEOCHEMISTRY: TRENCH 3

Ag oz/t	Pb %	Zn %	Ba %
.14	.01	.01	1.6
.02	.01	.01	14.28
.13	.01	.05	16.61

CHIP SAMPLES

Ag oz/t	Pb %	Zn %	Ba %
.02	.01	.01	6.65
.02	.01	.01	.42
.02	.01	.01	48.76

Rock Chip Geochemistry: Section #3
WEST SECTION, HOSHI MOUNTAIN

FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
Lower Earn Group	12	28	0.3	630
" "	11	59	0.2	480
" "	9	28	0.2	750
" "	13	44	0.2	740
" "	14	57	0.2	790
" "	9	21	0.2	770
" "	13	32	0.2	730
" "	9	28	0.2	620
" "	11	61	0.2	760
" "	9	42	0.2	770
" "	11	15	0.2	750
" "	12	16	0.2	790
" "	9	15	0.2	690
" "	10	25	0.2	710
" "	8	23	0.2	810
" "	7	54	0.2	740
" "	9	30	0.3	800
" "	14	16	0.2	780
" "	12	14	0.4	830
" "	12	2	1.4	990
" "	14	5	1.6	970
" "	16	6	1.2	750
" "	22	3	1.6	730
" "	6	4	1.2	770
" "	7	9	1.3	540
" "	7	8	0.7	560
" "	6	19	0.6	600
" "	13	7	1.5	670
" "	10	8	1.4	770
" "	11	24	2.0	530
" "	12	8	1.5	790
" "	12	12	1.7	720
" "	23	31	3.2	740
" "	9	10	0.9	800
" "	16	15	1.4	970
" "	8	24	1.2	710
" "	16	12	2.0	930
" "	10	18	2.2	880

Section 3 cont'd

FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
Lower Earn Group	8	15	0.8	950
" "	10	44	1.4	860
" "	6	12	0.8	880
" "	8	14	0.8	1000
" "	6	18	0.5	980
" "	12	25	0.5	1000
" "	9	21	0.8	1120
" "	9	16	0.4	1170
" "	6	7	0.2	1250
" "	9	15	0.4	960
" "	10	11	0.2	1150
" "	7	7	0.2	930
" "	19	27	0.2	1210
" "	12	26	0.4	1360
" "	25	48	0.8	1530
" "	18	42	0.4	1450
" "	18	27	0.4	1610
" "	8	12	0.2	1990
" "	12	9	0.2	2340
" "	11	10	0.3	2350
" "	9	19	0.2	2620
" "	16	26	0.3	2520
" "	9	13	0.2	2610
" "	15	43	0.2	2390
" "	9	30	0.2	2740
" "	15	15	0.2	2740
" "	11	32	0.2	2850
" "	11	36	0.2	2730
" "	15	13	0.2	3060
" "	14	9	0.2	3230
" "	14	39	0.2	2910
" "	11	36	0.2	3010
" "	11	43	0.2	3680
" "	16	18	0.2	3770
" "	18	16	0.2	3950
" "	15	15	0.2	2660
" "	25	27	0.2	2120
Upper Earn Group	19	25	0.2	2390
" "	10	23	0.2	2400
" "	13	15	0.2	3050
" "	8	35	0.2	1530
" "	4	47	0.2	2590
" "	7	61	0.2	1540
" "	4	40	0.2	2290
" "	7	160	0.2	860
" "	8	84	0.2	1770

Rock Chip Geochemistry: Section #1
SOUTH SECTION, HOSHI MOUNTAIN; BLACK CANYON

FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
Road River Formation	7	142	1.2	1050
" "	7	339	1.2	1320
" "	5	174	1.0	970
" "	6	389	1.2	1140
" "	5	134	0.8	980
" "	5	297	1.1	1030
" "	6	324	1.1	1030
" "	4	268	0.8	830
" "	10	295	1.6	1280
" "	6	337	0.8	920
" "	7	670	1.4	1410
" "	7	318	1.3	1290
" "	14	268	1.6	1790
" "	11	410	1.5	1710
" "	6	282	1.2	1190
" "	5	775	1.2	1030
" "	5	670	1.2	1350
" "	4	850	0.8	960
" "	3	1120	0.8	1060
" "	7	1210	1.0	1300
" "	8	545	1.0	1550
" "	11	27	1.0	2070
" "	9	17	0.8	2050
" "	12	23	1.0	2220
" "	12	770	1.0	1730
" "	16	525	1.5	2710
" "	14	299	1.0	2440
" "	11	1360	1.0	1830
" "	14	137	1.0	890
" "	6	885	1.0	1160
" "	5	21	0.7	980
" "	11	18	1.4	1560
" "	15	10	0.8	1670
" "	30	6	1.5	2380
" "	26	24	0.3	2320
" "	8	54	0.3	2240
" "	8	23	0.5	2150
" "	10	21	0.3	2210
" "	7	17	0.3	2180
" "	9	29	0.4	2100
" "	6	15	0.3	2120
Lower Earn Group	14	15	0.5	2010
" "	10	22	0.5	2070
" "	23	44	0.5	1870
" "	20	28	0.7	1660
" "	9	23	0.6	1910
" "	17	23	0.8	2040
" "	18	46	0.8	1990
" "	14	77	0.5	1910
" "	15	82	0.6	1910
" "	4	60	0.6	1860
" "	4	44	0.3	1850
" "	8	64	0.7	1790
" "	17	6	0.4	1940
" "	15	22	0.4	1870
" "	23	6	0.5	1900
" "	14	3	0.3	1990
" "	26	3	0.9	1740
" "	31	3	1.3	1710
" "	30	2	0.7	1710
" "	38	5	1.0	1420
Upper Earn Group	18	1	0.8	1530
" "	13	3	0.6	1560
" "	17	4	0.7	1600
" "	13	2	0.7	1610
" "	9	2	0.8	1430
" "	3	4	0.6	1000
" "	7	3	3.6	760
" "	7	1	2.0	680
" "	4	5	0.2	540
" "	5	3	0.7	510
" "	6	4	1.5	590
" "	1	12	0.2	570
" "	5	11	0.3	550
" "	7	16	0.8	550
" "	2	23	0.2	460
" "	5	19	0.4	590
" "	9	7	1.0	580
" "	6	11	0.2	590
" "	4	137	0.6	740
" "	5	129	0.5	650
" "	6	244	1.4	440
" "	3	60	0.4	800
" "	5	29	0.9	740
" "	1	57	0.3	340
" "	1	54	0.3	500
" "	5	49	0.6	650
" "	5	61	1.2	590
" "	10	33	2.6	700
" "	2	73	0.3	440
" "	5	58	0.6	610
" "	9	11	1.4	560
" "	16	15	2.3	760
" "	19	35	2.4	730

Rock Geochemistry: Section #2
EAST SECTION, HOSHI MOUNTAIN

FORMATION	Pb ppm	Zn ppm	Ag ppm	Ba ppm
Road River	28	5	1.5	1240
Lower Earn Group	19	18	0.4	2130
" "	7	24	0.4	1450
" "	10	3	0.2	3460
" "	11	2	1.2	6230
" "	4	3	0.4	1600
" "	6	2	0.3	1070
Upper Earn Group	3	10	0.4	1080

PLATE 3

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TO ACCOMPANY REPORT NO. 27-82 BY J.D.K.

ABERFORD RESOURCES LTD.

TRENCH AND SECTION LOCATIONS

JK PROJECT, 1982

DATE	SCALE	NTS	DRAWING NO.
DEC., 1982	1:15 840	105 O	D-1914

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