MAY 28 1982

KERR ADDISON MINES LIMITED
SUITE 703 - 1112 WEST PENDER STREET
VANCOUVER, B.C. V6E 2S1
PHONE 682-7401

E+B Data
826945
Bralorne
92J

I.D.B.
A.H.C.
P.S.C.
D.M.H.
W.J.
J.B.S.
FILE

May 25, 1982

Mr. L.W. Saleken,
Exploration Manager,
E & B Explorations Inc.,
Suite 1440 - 800 West Pender St.,
Vancouver, B.C. V6C 2B6

Dear Len:

Many thanks for providing us with the opportunity to review your information on the current ore reserve picture at Bralorne. E & B have gone to considerable lengths to assemble this picture and we trust that the reserve you have established will prove a real asset in the foreseeable future.

The economics of gold mining being what they are at the moment, make it necessary for us to demur on any participation at this time.

Again, please accept our sincere thanks for providing Kerr Addison with this information.

Yours very truly,

W.M. Sirola,
Regional Exploration Manager.

WMS/ck

c.c. Mr. D.A. Lowrie
Kerr Addison Mines Limited,
P.O. Box 91,
Commerce Court West,
Toronto, Ontario. M5L 1C7

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

APR 23 1982

To D. A. Lowrie, Toronto **From** W. M. Sirola, Vancouver

Subject Bralorne Mines
Evaluation of E & B Data **Date** April 20, 1982.

A.H.C.
A.S.C.
W.M.
J.B.S.
FILE

We enclose herewith a brief report which results from a perusal of such information as we have obtained from John DeLeen and Paul Saxton.

Obviously the maximum tonnage (915,115 tons at 0.25 AU) and grade unearthed by the E & B people is totally inadequate at today's gold price. Even if we elevate the price of gold to the $550 level, the project does not generate sufficient profit to enable all debt to be repaid. These statements are based on a mill capacity of 350 tons per day or 122,500 tons per year.

While it may be possible to increase ore reserves below the 2600 level, the cost of so doing may well prove prohibitive.

It would be difficult in my opinion, to encourage any Board of Directors to participate in financing a salvage operation such as this at today's gold price unless they have a crystal ball which is far better than mine.

E+B are sampling a 6d on the Dekalb 500 t.p.d mill 27th Apr 82 P.J.

for W. M. Sirola
Regional Exploration Manager

*lt

Encls.

KERR ADDISON MINES LIMITED
SUITE 703 - 1112 WEST PENDER STREET
VANCOUVER, B.C. V6E 2S1
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BRALORNE MINES
EVALUATION OF E & B DATA

Introduction:

The term Bralorne Mines as used in this report includes the Bralorne, Pioneer & King Mines which collectively produced 5,437,671 tons of ore assaying 0.53 ozs. of AU per ton or 2,561,825 ozs. of gold from 1932 to 1971. When the mine closed in 1971, the cut-off grade was 0.3 ozs. per ton.

The gold ore occurs in numerous steeply-dipping quartz veins 2.5' to 5' wide and ore shoots were found to be 164' to 328' long with a vertical extent of 164' to 263'. Stoping was carried on from surface to the 4,577 level for a slope distance of 1.5 miles. The host rocks are so called Bralorne intrusives which vary in composition from greenstone-diorite to soda granite. The Bralorne veins occur where the major serpentine fault which trends southeasterly makes a reverse curve to a southerly direction producing tangential refraction openings in the brittle Bralorne intrusives. These were later filled with auriferous quartz.

In 1980, E & B Explorations entered into an agreement with Bralorne Resources whereby E & B could earn a 50% interest in the properties by expending $5 million by June 30, 1983. As of April 1, 1982, E & B have expended $5,700,000 in de-watering and rehabilitation of the mine workings together with some surface diamond drilling. By so doing, E & B now own 54% of the property and Bralorne 46%. Bralorne's position may be further reduced to approximately 20% carried interest if it does not contribute pro-rata to any expenditures over and above the $5,000,000 that are deemed to have been contributed.

Ore Reserves:

In estimating reserves the late Bill Irvine and John DeLeen, have used a cut-off grade of 0.14 ozs. per ton, a minimum mining width of 4' and have projected reserves half way (75') up or down from the level in which the values occur. Horizontal stope lengths are determined from old samplings done by Bralorne prior to closure in 1971.

The reserve estimates include 15-25% dilution as a result of using the 4' mining width. There are several classifications of reserves as follows: (a) indicated (b) inferred (c) total (d) readily available. The term indicated means a specific measurement for length and width and projection vertically half way (usually 75') to the level above or below or both. The term readily available is not exactly concise but was defined by Irvine and DeLeen as blocks that could be mined with a minimum amount of level development and difficulties caused by poor locations and known caving. The actual amount of development required is shown in some cases in the accompanying ore reserve tabulations. From these criteria E & B have estimated reserves as follows:

Readily Available or Above 26,000' Level:

525,860 tons @0.25 ozs. per ton

Indicated Ore:

797,185 tons @ 0.24 ozs.

Inferred Ore:

117,930 tons @ 0.29 ozs.

Total:

915,115 tons @ 0.25 ozs.

Inferred Ore Below 2,600' Level:

175,000 tons @ 0.30 ozs.

We have calculated tons per vertical foot for each stope on each level but the following table provides at a glance the significance of each vein available for mining.

Vein 51 - 2045.54 T/VF	(51 + 53 veins)
Vein 55 - 1155.87	
Vein 59 - 334.06	
Vein 73 - 437.37	
Vein 75 - 614.62	
Vein 77 - 1786.07	
Vein 79 - 450.50	

The 51 vein actually accounts for 17.3% of the readily available reserves (91,075 tons) and the 77 vein for 23.5% of the reserves (124,990 tons). In other words these two veins account for 40.8% of the total readily available reserve.

Comment on Current Reserves:

It is regretable that all of the Bralorne cross sections showing previous mining have not been found and only the plans and longitudinal sections are available for perusal. These cross sections would have indicated variations in the dip and grade together with variations in thickness in the vertical dimension. They would also have indicated vein junctions and the stoping method used.

A glance at the distribution of the reserves quickly indicates that they have been derived largely from the margins and to some extent the downward extensions of old stopes and that they are all below the previous cut-off grade 0.3 ozs. In other words, mining of these reserves would be essentially scavenging from numerous small blocks on each level. For example, on the 2000 level, there are 23 separate blocks averaging 1917 tons per block.

The problem of reducing abnormally high erratic assays varies from mine to mine and E & B have chosen to reduce all assays greater than 1.5 ozs. to 1.5 ozs. Since we don't know the frequency of these higher assays, the significance of this arbitrary procedure is unknown.

E & B assumed that the level sampling done by Bralorne was accurate and only a very limited amount of re-sampling was done. It seems reasonable to assume that the Bralorne sampling would be more reliable than anything that might be done under today's relatively adverse conditions.

Mining Methods:

Jim Thompson who was formerly Mine Manager at Bralorne advises that all or most of the stopes below the 1700' level were mined by cut and fill. Above the 1700' level they were either open or shrinkage type. We questioned E & B on this subject and learned that 40% of the stopes listed as "readily available" would be cut and fill. Fill material would be mine tailings. The remainder, (60%), would be shrinkage stopes.

Access to the various levels under consideration is via the main haulage adit on the 800 level and thence via the rehabilitated Crown shaft which is equipped with

a new hoist. Conventional track haulage will be utilized.

Economics:

E & B have expended $5.7 million to date and anticipate that an additional $14 - 15 million will have to be raised before production could begin on a 350 ton per day basis.

Consideration is being given to purchasing the 700 ton per day plant available from the DeKalb Resources which is located at the O.K. property in the Highland Valley. The cost of this plant could conceivably lower the estimated capital expenditures but the additional $14 - 15 million is E & B's estimate and we should stay with that figure.

If for the moment, we think in terms of only the "readily available" ore, and realize that current gold prices render the project totally uneconomic, the results of mining the available reserves at higher gold prices might be as follows:

Assumptions:

Ore Reserves 525,860 tons @ 0.25 AU
Price of Gold $550 per ton Cdn. or $456.50 U.S. ($1 Cdn. = $0.83 U.S.)
Mill capacity 350 TPD or 122,500 TPY (350 days)
Operating Life - 4.29 years
Operating Costs - $90.95 per ton (from E & B)
Recovery - 95% (assumed)

Recoverable Value per ton of Ore Milled = 550 x 0.25 x 0.95 = $130.63
Mining Cost $90.95
Operating Profit $39.68/ton
Annual Operating Profit = 39.68 x 122,500 = $4,860,800
Life of Mine Operating Profit = $20,852,832
Present Value of Production Discounted @ 15% = 20,852,832 x 0.71 = $14,805,510
Capital Costs (not including E & B's $5.7 million) = $15 million
Interest Cost (3 yrs @ 15%) = $6.25 million
Total Capital Plus Interest to be Repaid - $21.25 million

It is apparent that if only "readily available" reserves are mined @ $550 gold, the present value of life of mine production discounted @ 15% falls far short of repaying borrowed money.

If we then increase the reserve to E & B's total of 915,115 tons @ 0.25 AU, the life of the mine becomes 7.74 yrs. and the total operating profit becomes 4,860,800 x 7.74 = $36,310,176. The present value of this production assuming uniform income and a discount rate of 15% = $36,310,176 x .575 = $20,878,351 which approximates capital costs plus interest.

Conclusions:

(1) The E & B estimate of 915,115 tons @ 0.25 AU is none economic at today's gold prices of approximately $350 U.S. ($421.69 Cdn.).

(2) The same reserve at a gold price of $550 Cdn. ($456.50 U.S.) barely returns estimated capital costs. It does not return the 5.7 million already expended by E & B.

(3) A gold price of $600 Cdn. ($498.00 U.S.) would return all capital investment at approximately 25% compound interest if the total reserve is utilized.

(4) We have not investigated the economics of any mining below the 2600' level but suggest that this reserve should be considered to be in the "if & when" category.

(5) It is difficult to recommend participation in this type of salvage operation without a profound belief in a material increase in the price of gold in the near future. In the absence of clairvoyance, we refrain from recommending participation.

W. M. Sirola
Regional Exploration Manager

Enclosures:
1. Geological map by D. Campbell
   Scale 1" = 600'
2. Longitudinal sections showing
   stoping blocks (15) E & B
3. Tabulated ore reserves (E & B)

PART B

Summary

The "readily available" ore blocks at the Bralorne were selected by the late W. Irving, Consulting Geologist. He picked the ore blocks that could be mined with the minimum amount of level development and difficulties caused by poor location and known caving. The blocks selected by Irving have been augmented by ore blocks found in 1981 and 1982. The results are as follows:

	1981
Total Reserves	656,635 T - 0.24 oz/T
Readily Available Reserves	450,155 T - 0.26 oz/T

	1982
Total Reserves	752,675 T - 0.24 oz/T
Readily Available Reserves	525,860 T - 0.25 oz/T

The data for blocks included in the "readily available" catagory are listed in the following pages. The "readily available" blocks are indicated on figures 12 to 25 inclusive.

TABLE III

READILY AVAILABLE BLOCKS OF ORE

Complete to March 31, 1982

Vein	Block	Tons	Grade	Level Development Needed	Tons/Vertical Ft
LEVEL 10					
51	10-3E✓	945	.24 80'		11.81
	10-1W✓	2,600	.17 60'		43.33
55	10-3W✓	1,400	.20 110'		12.73
59	10-1W✓	6,610	.15 100'		66.10
	10-2W✓	9,800	.23 100'		98.00
	10-1E✓	1,320	.22 100'		13.20
	10-2E✓	2,675	.21 100'		26.75
75	10-1W✓	2,890	.21 70'		41.28
TOTAL LEVEL 10		28,240	.20		313.2
LEVEL 11					
55	11-1W✓	1,065	.25 70'		15.21
	11-3W✓	705	.26 65'		10.84
	11-4W✓	610	.30 65'		9.40
59	11-1E✓	1,320	.22 70'	100 Ft.	18.86
	11-2E✓	475	.33 70'		6.78
	11-1W✓	5,200	.15 70'		74.30
	11-2W✓	710	.26 70'		10.14
	11-4W✓	945	.19 70'		13.50
	11-3W✓	450	.24 70'		6.43
75	11-1W✓	2,840	.21 70'		40.57
TOTAL LEVEL 11		14,320	.20	100 Ft.	206.03
LEVEL 12					
51	12-1E✓	2,125	.27 75'		28.33
	12-2E✓	2,365	.15 70'		33.80
	12-3E✓	1,300	.28 70'		18.60
	12-1W✓	3,070	.22 75'		40.93
	12-2W✓	2,010	.24 80'		25.12
55	12-1W✓	1,300	.39 70'		18.60
	12-2W✓	2,245	.27 75'		29.93
	12-3W✓	2,125	.15 70'		30.36
	12-4W✓	6,110	.22 80'		76.37
	12-5W✓	6,975	.30 70'		99.64
	12-6W✓	1,870	.23 70'		26.71
	12-7W✓	4,965	.27 70'		70.93
	12-8W)✓				
	12-9W)✓	3,780	.29		54.0
73	12-1AW✓	580	.20 70'		8.30
TOTAL LEVEL 12		40,820	.25		561.62

TABLE III Continued

LEVEL 13

Vein	Block	Tons	Grade	Level Development Needed	
51	13-1E✓	2,310	.27 70′		33.00
	13-2E)				
	13-3E)✓	4,455	.55 60′	100 Ft.	74.25
55	13-1W✓	2,125	.15 70′		30.36
	13-2W✓	1,420	.35 70′		20.28
	13-3W✓	2,365	.38 70′		33.78
	13-4W✓	1,655	.38 70′		23.64
	13-5W✓	1,870	.23 70′		26.71
	13-6W✓	1,655	.27 70′		23.64
	13-7W✓	4,225	.21 70′		60.36
	13-8W)✓		70′		
	13-9W)✓	3,780	.29 70′	300 Ft.	54.00
TOTAL LEVEL 13		25,860	.32	400 Ft.	380.02

LEVEL 14

51	14-1E(1W?)✓	925	.32 60′		15.42
	14-3E✓	1,040	.16 60′		17.33
	14-4E✓	3,305	.27 80′		41.31
	14-5E✓	1,180	.17 60′		19.66
	14-6E)				
	14-9E)✓	6,145	.19 80′		76.81
	14-7E✓	470	.36 60′		7.83
	14-8E✓	1,615	.29 60′		26.92
	14-10E✓	1,065	.28 70′		15.21
	14-2WF.W.	1,060	.23		
	14-2WH.W.	2,720	.27		
	14-3W✓	4,855	.27 80′		60.69
55	14-1W✓	2,125	.40 75′		28.33
	14-2W✓	2,000	.34 75′		26.66
	14-4AH.W.✓	3,900	.14 70′		55.71
	14-5W✓	1,420	.27 70′		20.29
	14-6W✓	2,365	.28 70′		33.78
	14-7W✓	4,725	.21 75′		63.00
	14-8W✓	1,535	.15 70′		21.93
73	14-1W✓	1,655	.17 75′		22.07
	14-2W✓	5,900	.18 75′		78.66
75	14-1W✓	3,585	.22 75′		47.80
TOTAL LEVEL 14		53,590	.23		679.41

TABLE III Continued

LEVEL 15

Vein	Block	Tons	Grade	Level Development Needed	
51	15-2E✓	1,040	.16 80'		13.00
	15-3E✓	945	.17 70'		13.50
	15-4E✓	1,180	.17 70'		16.86
	15-5E✓	470	.36 70'		6.71
	15-2AE✓	810	.15 85'		9.23
	15-2W✓	1,180	.21 90'		13.11
	15-3W)				
	15-4W)✓	3,665	.18 70'		52.36
	15-4AW✓	1,065	.14 65'		16.40
55	15-2AH.W.✓	3,900	.14 70'	100 Ft.	55.71
73	15-1W✓	1,065	.14 75'		14.2
	15-2W✓	1,420	.27 65'		21.85
	15-3W✓	590	.14 70'		8.43
	15-4W✓	1,065	.19 75'		14.20
75	15-1W✓	2,365	.23 70'		33.80
	15-2W✓	1,420	.19 70'		20.30
TOTAL LEVEL 15		22,180	.15	100 Ft.	309.66

LEVEL 16

51	16-1E✓	1,655	.33 80'		20.69
	16-2E✓	2,480	.24 70'		35.43
	16-1W✓	1,890	.14 80'		23.62
	16-2W✓	945	.27 75'		12.60
	16-3W✓	2,835	.17 70'		40.50
	16-4W)				
	16-5W)✓	3,665	.18 80'		45.81
	16-5AW✓	1,065	.14 80'		13.31
55	16-1W✓	2,600	.60 70'	200 Ft.	37.14
	16-2W✓	2,555	.17 70'		36.50
	16-3W✓	3,700	.16 75'		49.33
73	16-1W✓	2,720	.20 70'		36.86
	16-2W✓	830	.14 70'		11.86
	16-3W✓	2,600	.19 70'		37.14
	16-5W✓	2,600	.25 70'		37.14
	16-8W✓	830	.16 70'		11.86
	16-9W✓	1,180	.18 70'		16.86
	16-10W✓	590	.14 70'		8.40
75	16-1W✓	2,720	.16 70'		38.80
	16-2W)✓				
	16-3W)✓	3,545	.16 70'		50.64
TOTAL LEVEL 16		41,005	.21	200 Ft.	566.49

~~TABLE III~~ Continued

LEVEL 17

Vein	Block	Tons	Grade	Level Development Needed	
51	17-3W✓	2,835	.17	70'	40.50
53	17-5W✓	4,135	.20	80', (Really 51 Vein)	51.68
	17-6W✓	945	.17	70' (Really 51 Vein)	13.50
	17-7W✓	6,350	.26	70' (Really 51 Vein)	90.71
73	17-3W-	2,600	.19	70'	37.14
	17-4W-	1,180	.15	65'	18.15
	17-7W-	3,000	.37	80'	37.50
	17-8W-	1,180	.18	80'	14.75
75	17-1W-	2,245	.19	75'	29.93
	17-2W)-				
	17-3W)-	3,545	.16	75'	47.26
	17-4W-	1,065	.18	75'	14.2
TOTAL LEVEL 17		29,080	.22		395.32

LEVEL 18

53	18-1W✓	945	.17	75' (Really 51 Vein)	12.6
	18-2W✓	2,010	.19	75'	26.8
	18-3W✓	8,765	.22	75'	116.87
	18-4W✓	2,125	.29	75'	28.33
	18-5W✓	2,445	.28	75'	32.6
75	18-2W-	6,380	.15	75'	85.06
	18-7W-	710	.15	65'	10.92
	18-6W-	1,735	.32	65'	26.69
77	18-1W-	590	.15	65'	9.07
	18-7W-	3,000	.31	70'	42.8
TOTAL LEVEL 18		28,705	.22		391.74

LEVEL 19

51	19-1W✓	5,200	.19	70'	74.3
52	19-1E✓	2,315	.43	50'	46.3
	19-2E✓	1,625	.66	55'	29.54
53	19-2W)				
	19-3W)✓	2,900	.18	70' (Really 51 Vein)	41.43
	19-4W✓	2,010	.19	60'	33.5
	19-5W✓	3,370	.20	70'	48.14
	19-6W✓	945	.29	65'	14.54
75	19-1W-	825	.16	70'	11.78
	19-2W-	1,535	.32	70'	21.93
	19-3W-	710	.15	70'	10.14
TOTAL LEVEL 19		21,435	.27		331.6

TABLE III Continued

LEVEL 20

Vein	Block	Tons	Grade	Level Development Needed	
51	20-1W✓	710	.15 70'		10.14
	20-2W✓	5,200	.19 65'		80.00
	20-3W✓	590	.14 70'		8.42
52	20-1✓	930	.55 80'		11.62
	20-2✓	945	.55 70'		13.50
	20-3✓	1,535	.59 70'		21.93
	20-4✓	1,885	.30 100'		18.85
53	20-5W)				
	20-6W)✓	3,900	.18 70'	(Really 51 Vein)	55.71
	20-7W✓	825	.25 70'		11.78
	20-8W✓	3,160	.43 70'		45.14
	20-9W✓	4,145	.23 70'		59.21
	20-10W✓	945	.29 70'		13.50
	20-11W✓	2,245	.19 70'		32.07
75	20-1W✓	1,065	.50 75'		14.2
	20-2W✓	3,305	.28 75'		44.06
	20-3W✓	1,895	.33 75'		25.26
77	20-1W✓	2,580	.25 75'		34.40
	20-2W✓	2,835	.16 75'		37.8
	20-3W✓	1,665	.30 75'		22.2
	20-4W✓	1,535	.21 75'		20.46
	20-1E?	1,180	.17 ?		15.73
	20-2E✓	825	.21 75'		11.0
TOTAL LEVEL 20		44,100	.27		606.98

LEVEL 21

51	21-0W✓	1,065	.15 75'	200 Ft.	14.2
	21-2W✓	710	.26) 70'		10.14
	21-3W✓	590	.26) 70'	300 Ft.	8.43
	21-5W✓	1,595	.21) 70'		22.78
53	21-5W✓	4,145	.23 65'	300 Ft.	63.77
77	21-7W✓	9,480	.20 75'		126.40
	21-2W✓	4,590	.34 65'		40.61
	21-3W✓	775	.37 65'		11.92
	21-8W✓	4,450	.27 75'		59.33
	21-4W✓	3,750	.35 65'		57.69
	21-6W✓	1,180	.56 70'		16.80
TOTAL LEVEL 21		32,330	.27	800 Ft.	462.07

TABLE III Continued

LEVEL 22

Vein	Block	Tons	Grade	Level Development Needed	
52	22-2✓	13,455	.44 120′		112.12
	22-3✓	2,315	.54 120′		19.30
	22-5✓	1,890	.27 70′		24.0
77	22-0W✓	3,735	.21 65′	200 Ft.	57.46
	22-5W)✓				
	22-6W)✓	7,720	.30 70′		110.3
	22-1W)✓				
	22-2W)✓	17,000	.27 65′		261.54
	22-3W)✓				
	22-4W✓	2,530	.18 70′		36.14
79	22-1W✓	1,180	.23 70′	200 Ft.	16.86
	22-1AW✓	1,040	.31 70′		14.86
	22-2W✓	830	.24 70′		11.86
85	22-1	1,180	.25		
TOTAL LEVEL 22		52,875	.32	400 Ft.	667.44

LEVEL 23

77	23-0W✓	3,735	.21 70′	200 Ft.	53.36
	23-1W✓	825	.24 65′		12.69
	23-3W✓	4,170	.31 75′		55.6
	23-2W✓	5,850	.28 65′		90.0
	23-4W✓	1,065	.14 70′	100 Ft.	15.21
79	28-1W✓	1,180	.23 75′		15.73
	23-2W✓	1,180	.31 75′		15.73
	23-3W✓	830	.24 75′		11.06
	23-4W✓	475	.31 75′		6.33
TOTAL LEVEL 23		19,310	.26	300 Ft.	275.41

LEVEL 24

51	24-1W✓	1,065	.16 65′		16.40
77	24-1W✓	825	.24) 60′		13.75
	24-2W✓	3,125	.27) 60′	300 Ft.	52.08
	24-5W✓	825	.24 70′		11.78
	24-3W✓	3,500	.31 65′		53.85
	24-4W✓	2,720	.32 65′		41.85
79	24-1W)				
	24-2W)✓	6,735	.28 70′		96.21
TOTAL LEVEL 24		18,795	.27	300 Ft.	285.92

TABLE III ~~Continued~~

LEVEL 25

Vein	Block	Tons	Grade	Level Development Needed	
51	25-1W	1,065	.16 65'		16.40
53	25-2W	825	.21 65'		12.7
	25-3W	590	.25 65'		9.07
77	25-1W	4,660	.25 70'		66.6
	25-2W	1,495	.23 70'		21.36
	25-3W	825	.24 65'		12.6
	25-6W	2,010	.22 70'		28.71
79	25-3W	2,245	.19 70'		32.07
	25-1W)				
	25-2W)	6,000	.28 75'	350 Ft.	80.0
TOTAL LEVEL 25		19,715	.26	350 Ft.	279.51

LEVEL 26

52	26-1	1,985	.40 100'		19.85
	26-2	470	.39 75'		6.26
53	26-1W	469	.21 70'		6.70
77	26-1E	470	.46		
	26-2E	2,010	.26		
	26-6W	4,460	.19 75'		59.46
	26-7W	5,160	.25 60'		86.0
	26-8W	3,510	.41 75'		46.8
	26-9W	1,495	.23 60'		24.92
	26-10W)				
	26-11W)	2,835	.14 75'		37.8
	26-12W)				
79	26-1W	2,245	.19 75'	100 Ft.	29.93
	26-4W)				
	26-5W)	8,390	.17 70'		119.86
	26-6W)				
TOTAL LEVEL 26		33,500	.24	100 Ft.	437.58 T/V.Ft

TOTAL - Available Reserves 525,860 .25

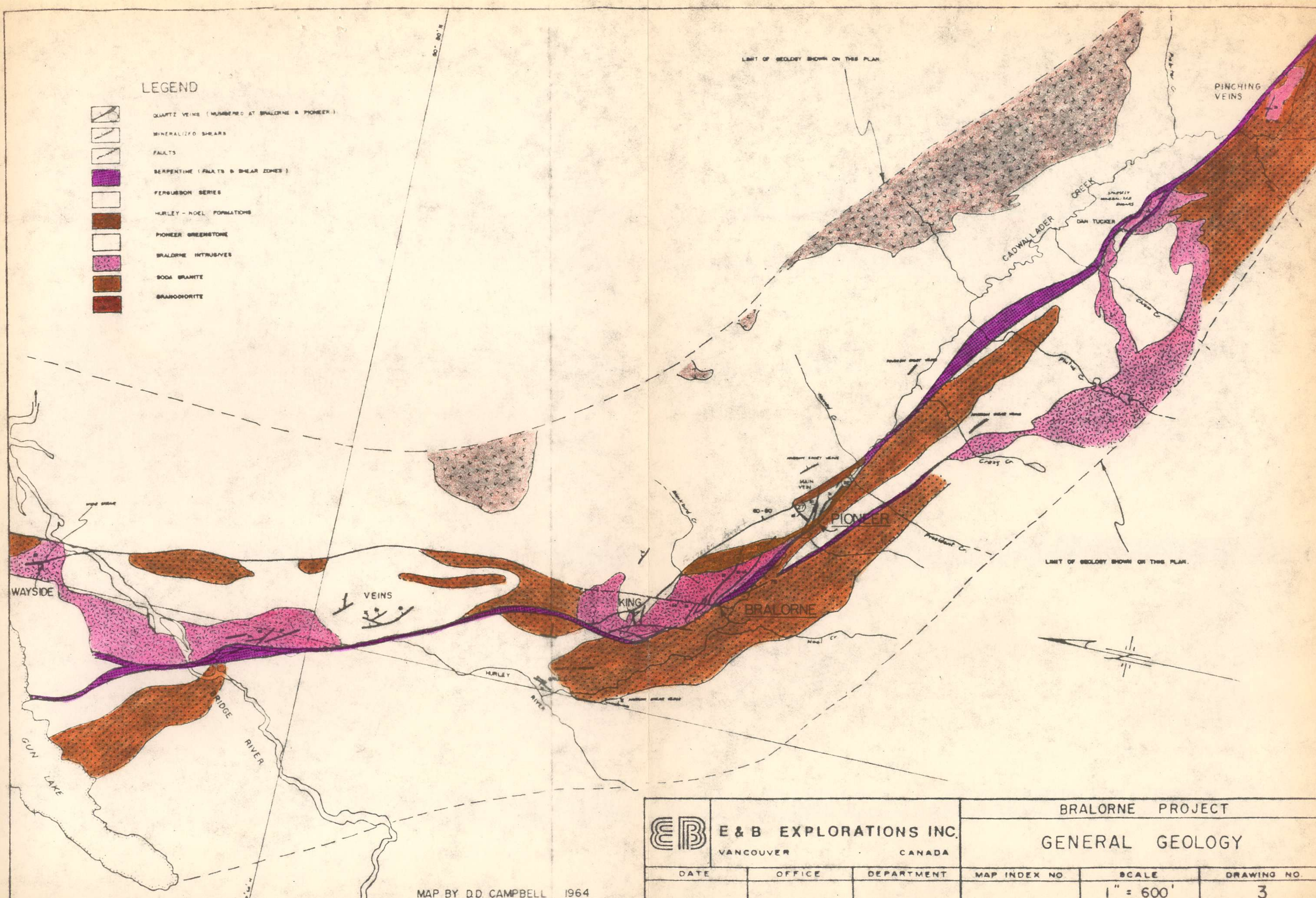
Total of the Available Reserves = 525,860

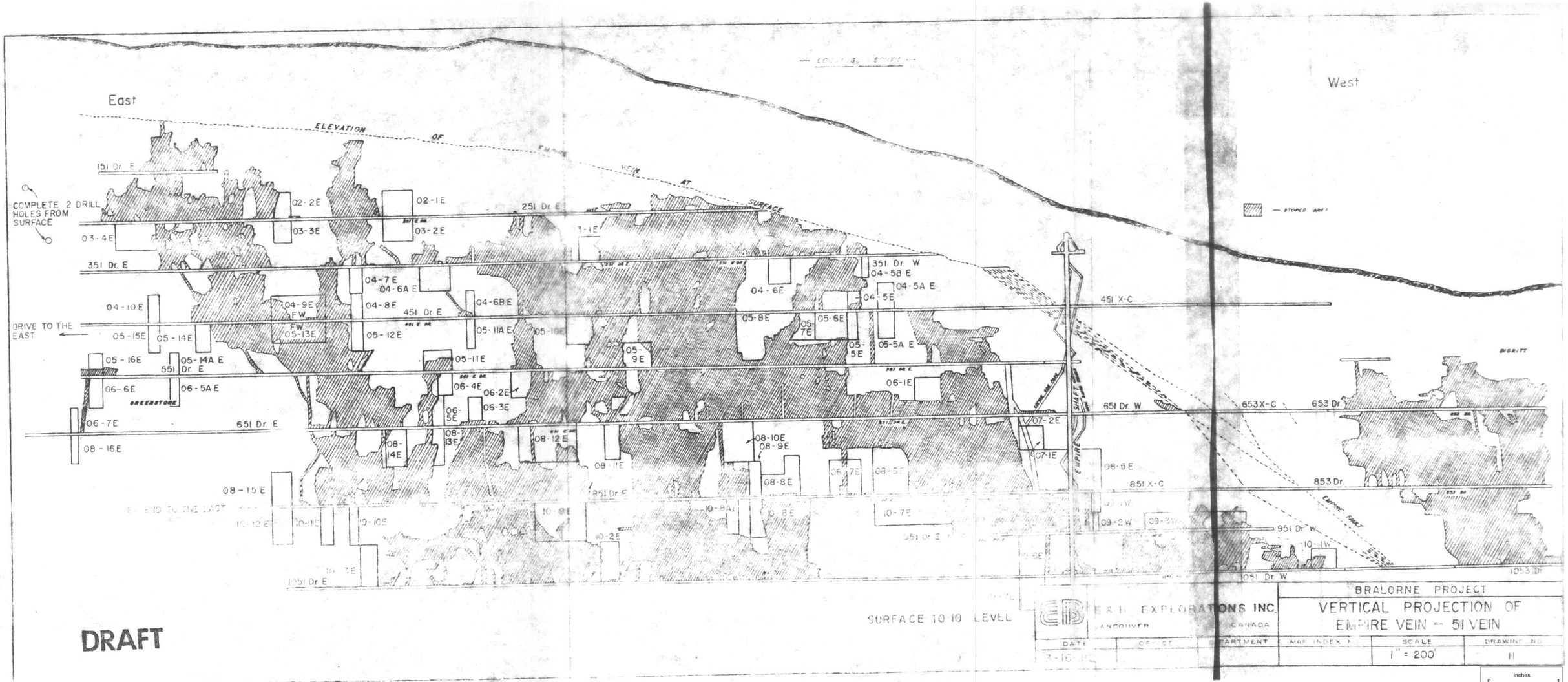
VEIN 51 = 91,075 AT 17.3%

VEIN 77 = 124,990 AT 23.8%

TOTALS OF TONS PER VERTICAL FOOT:

VEIN 51 - 2045.54 T/V.F. (51+53 VEINS)
" 55 - 1155.87
" 59 - 334.06
" 73 - 437.31
" 75 - 614.62
" 77 - 1786.07
" 79 - 450.50


LEGEND
QUARTZ VEINS (NUMBERED AT BRALORNE & PIONEER)
MINERALIZED SHEARS
FAULTS
SERPENTINE (FAULTS & SHEAR ZONES)
FERGUSSON SERIES
HURLEY - NOEL FORMATIONS
PIONEER GREENSTONE
BRALORNE INTRUSIVES
SODA GRANITE
GRANODIORITE
LIMIT OF GEOLOGY SHOWN ON THIS PLAN
PINCHING VEINS
CADWALLADER CREEK
DAN TUCKER
MAIN VEIN
PIONEER
LIMIT OF GEOLOGY SHOWN ON THIS PLAN.
WAYSIDE
VEINS
KING
BRALORNE
HURLEY RIVER
BRIDGE RIVER
GUN LAKE
MAP BY D.D. CAMPBELL 1964
E & B EXPLORATIONS INC.
VANCOUVER CANADA
BRALORNE PROJECT
GENERAL GEOLOGY
DATE
OFFICE
DEPARTMENT
MAP INDEX NO
SCALE
1" = 600'
DRAWING NO.
3


East
West
ELEVATION OF EMPIRE VEIN AT SURFACE
— LOOKING SOUTH —
— STOPED AREA
COMPLETE 2 DRILL HOLES FROM SURFACE
DRIVE TO THE EAST
151 Dr. E
251 Dr. E
351 Dr. E
451 Dr. E
551 Dr. E
651 Dr. E
751 Dr. E
851 Dr. E
951 Dr. E
1051 Dr. E
351 Dr. W
451 X-C
651 Dr. W
653 X-C
653 Dr.
851 X-C
853 Dr.
951 Dr. W
1051 Dr. W
1053 Dr.
02-1E
02-2E
03-2E
03-3E
03-4E
04-4E
04-5E
04-5A E
04-5B E
04-6E
04-6A E
04-6B E
04-7E
04-8E
04-9E
04-10E
05-4E
05-5E
05-5A E
05-6E
05-7E
05-8E
05-9E
05-10E
05-11E
05-11A E
05-12E
05-13E
05-14E
05-15E
05-16E
06-1E
06-2E
06-3E
06-4E
06-5E
06-5A E
06-6E
06-7E
07-1E
07-2E
08-5E
08-6E
08-7E
08-8E
08-9E
08-10E
08-11E
08-12E
08-13E
08-14E
08-15E
08-16E
09-2W
09-3W
10-1W
10-2E
10-7E
10-8E
10-8A
10-9E
10-10E
10-11E
10-12E
EMPIRE SHAFT
EMPIRE FAULT
GREENSTONE
DIORITE
SURFACE TO 10 LEVEL
DRAFT
B & B EXPLORATIONS INC.
VANCOUVER CANADA
BRALORNE PROJECT
VERTICAL PROJECTION OF EMPIRE VEIN — 51 VEIN
DATE
OFFICE
DEPARTMENT
MAP INDEX No.
SCALE
1" = 200'
DRAWING NO.
11
3-16-
inches
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

10-3E
10-2E
10-6E
105I DR E
10-1W
11-3E
11-3A E
11-1E
11-2E
11-1W
115I E DR
12-2E .15
12-1E .27
12-0W
12-1W .27
12-2W .24
12-3E
125I E DR
13-3E .55
13-2E
13-1E .27
135I E DR
14-9E .19
14-6E
14-4E .27
14-10E .28
14-8E .29
14-7E .36
14-5E .17
14-2W
14-3E
14-2E
14-3W .27
14-1W .32
15-6E
15-5E .33
15-4E .17
15-3E .17
145I E DR
15-2E .16
15-1E
15-2A E FW .15
15-1W
15-2W .21
15-3W
15-4AW .14
15-4W .18
16-5W .18
15-5AW .14
15-4A E
155I E DR
16-1E .33
15-1A W - 51B ?
16-1A W - 51B ?
2 VEINS –
ON 51B DRIVE EAST
ON 51 VEIN DRIVE WEST
16-4W
16-2E .24
DRIFT NOT ON VEIN - DRILL WALLS TO TEST FOR VEIN
165I E DR
16-1W .14
16-2A W .27
16-2W
16-2B W
16-3W .17
FACE IN ORE DRIVE
165I DRIFT EAST
17-2E
17-1E
17-1W
17-2W
17-2A W
17-2B W
17-3W .17
175I X-CUT
CROWN SHAFT
185I X-CUT
EXTEND 185I DRIFT
EAST TO EMPIRE
SHAFT
EMPIRE SHAFT
195I X-CUT
19-1W .19
20-2W .19
20-0W
20-1W .15
20-3W .14
20-4W
205I E DR
21-0W .15
21-5W .21
21-2W .26
21-3W .26
21-4W
215I E DR
22-1W
22-2W

LEGEND
STOPED AREAS
LEVEL REHABILITATED BY YEAR 4
READILY AVAILABLE ORE BLOCK

LOOKING SOUTH

EAST

inches
0 1
0 1 2
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

DRAFT

10 LEVEL TO 21 LEVEL

E & B EXPLORATIONS INC.
VANCOUVER . CANADA

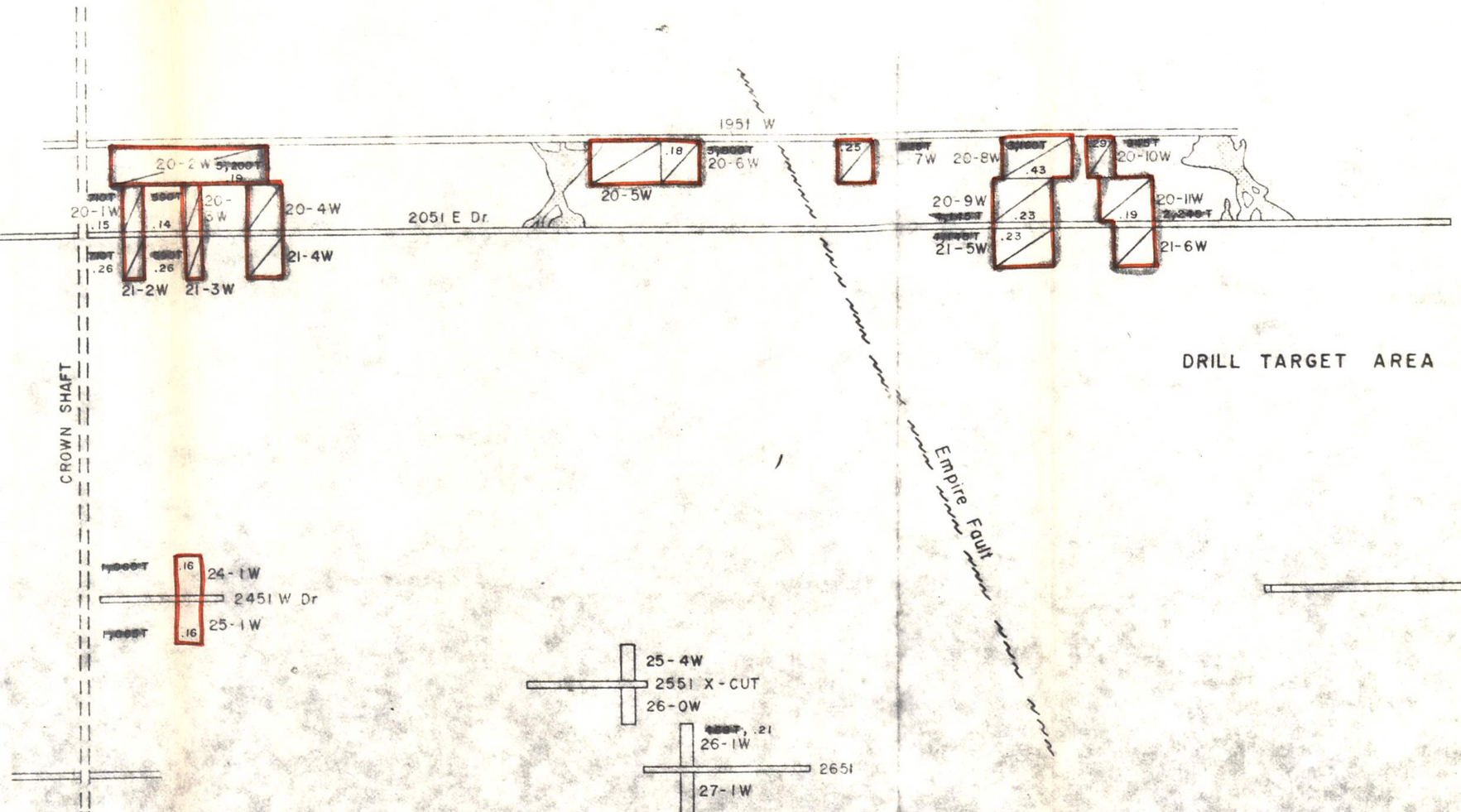
BRALORNE PROJECT

VERTICAL PROJECTION OF 51 VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
3-17-82				1" = 200'	12

East

West



READILY AVAILABLE ORE BLOCK

20 LEVEL TO 26 LEVEL

DRAFT

inches 0 1

0 1 2 centimetres

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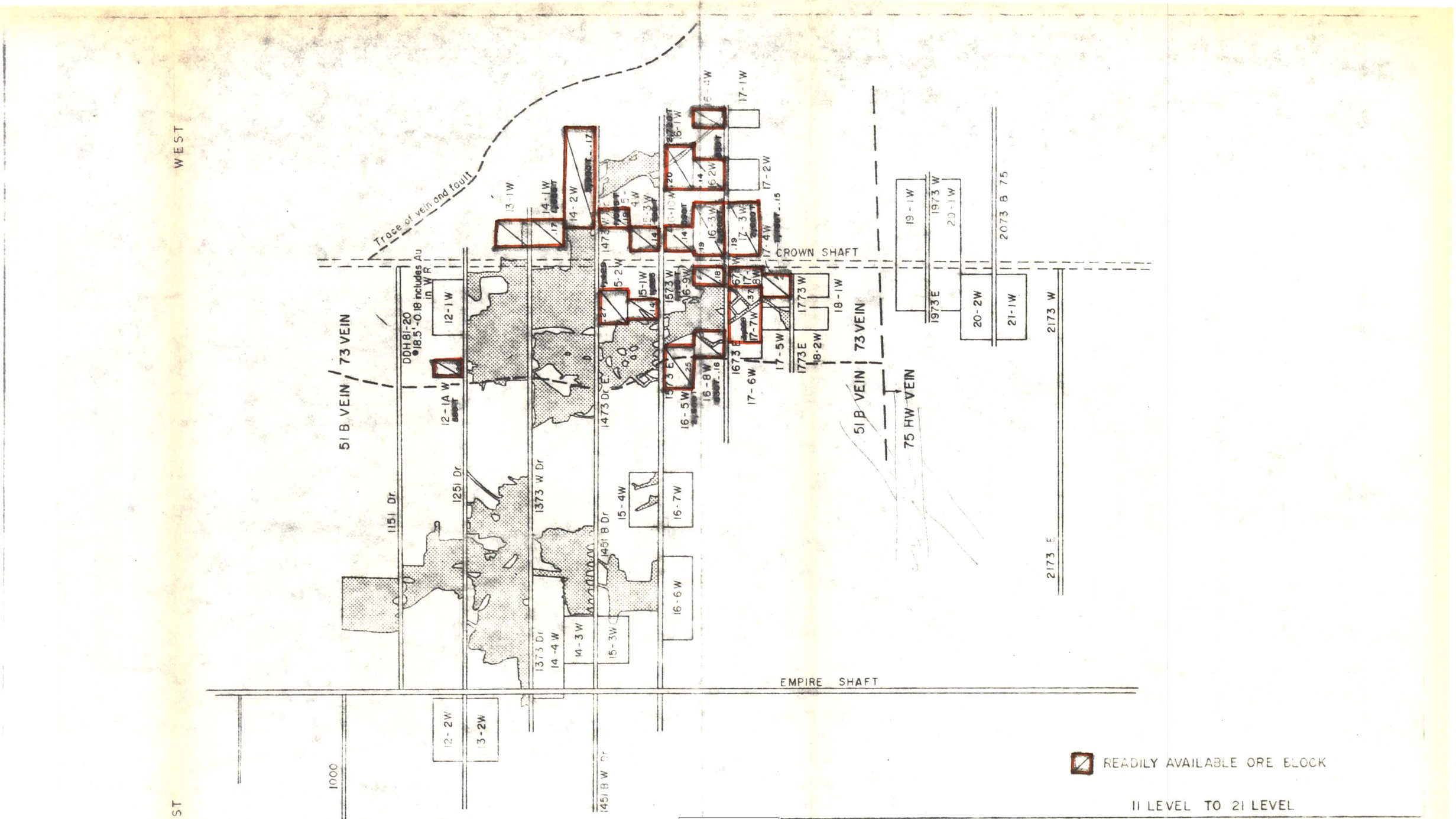
E & B EXPLORATIONS INC.
VANCOUVER CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF 51 & 53 VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
				1" = 200'	13



READILY AVAILABLE ORE BLOCK

11 LEVEL TO 21 LEVEL

DRAFT

inches 0 1 centimetres 0 1 2

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E & B EXPLORATIONS INC.
VANCOUVER CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF 51B 73 & 75 HW VEINS

DATE	OFFICE	DEPARTMENT	MAP INDEX NO.	SCALE	DRAWING NO.
3-12-82	Van.			1" = 200'	14

East

West

51 B FW Projected to Surface

Proposed Exploration Drift

04-4E

05-4E

04-3E

451 B FW

05-3E

51B FW VEIN

51 B VEIN

Face of Drift

8-4E

8-3E

8-2E

8-

851 B FW

10-5E

10-4E

10-3E

10-2E

EMPIRE SHAFT Projected to Section

10-3E 10-2E

10-5E 10-4E 10-1E

1051 B FW

11-5E 11-4E 11-1E

11-3E 11-2E

SURFACE TO 10 LEVEL

READILY AVAILABLE ORE BLOCK

DRAFT

inches

0 1

0 1 2

centimetres

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E & B EXPLORATIONS INC.

VANCOUVER CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF 51B & 51B FW VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
3-15-82				1" = 200'	15

East

West

AREA FOR EXPLORATION

SERPENTINE

18-52

19-1E .43

19-2E .86

19-52 SUB DRIFT

20-1 .55

20-2 .55

20-3 .59

20-4 .30

20-52 EAST DRIFT

22-1

22-2 .44

22-3 .54

22-4

EMPIRE SHAFT

LEVEL 22

PROPOSED DRIFT

22-6

22-5 .27

23-2

23-1

SODA GRANITE

DIORITE

26-1 .40

26-2 .39

26-4

26-52 EAST DRIFT

26-3

27-4

27-3

27-1

27-2

Not on 52 vein

0.7' @ 0.17

X-CUT

DRIVE EAST ON 113 VEIN

113 VEIN

DRIVE WEST ON 113 VEIN

24+00E

22+00E

20+00E

18+00E

16+00E

14+00E

12+00E

10+00E

8+00E

6+00E

4+00E

2+00E

1+00E

LEGEND

STOPED AREAS

LEVELS REHABILITATED YEAR 4

READILY AVAILABLE ORE BLOCK

18 LEVEL TO 26 LEVEL

DRAFT

E & B EXPLORATIONS INC.
VANCOUVER CANADA

BRALORNE PROJECT

VERTICAL PROJECTION
52 VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
3-17-82				1" = 200'	16

inches
0 1
0 1 2
centimetres

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East

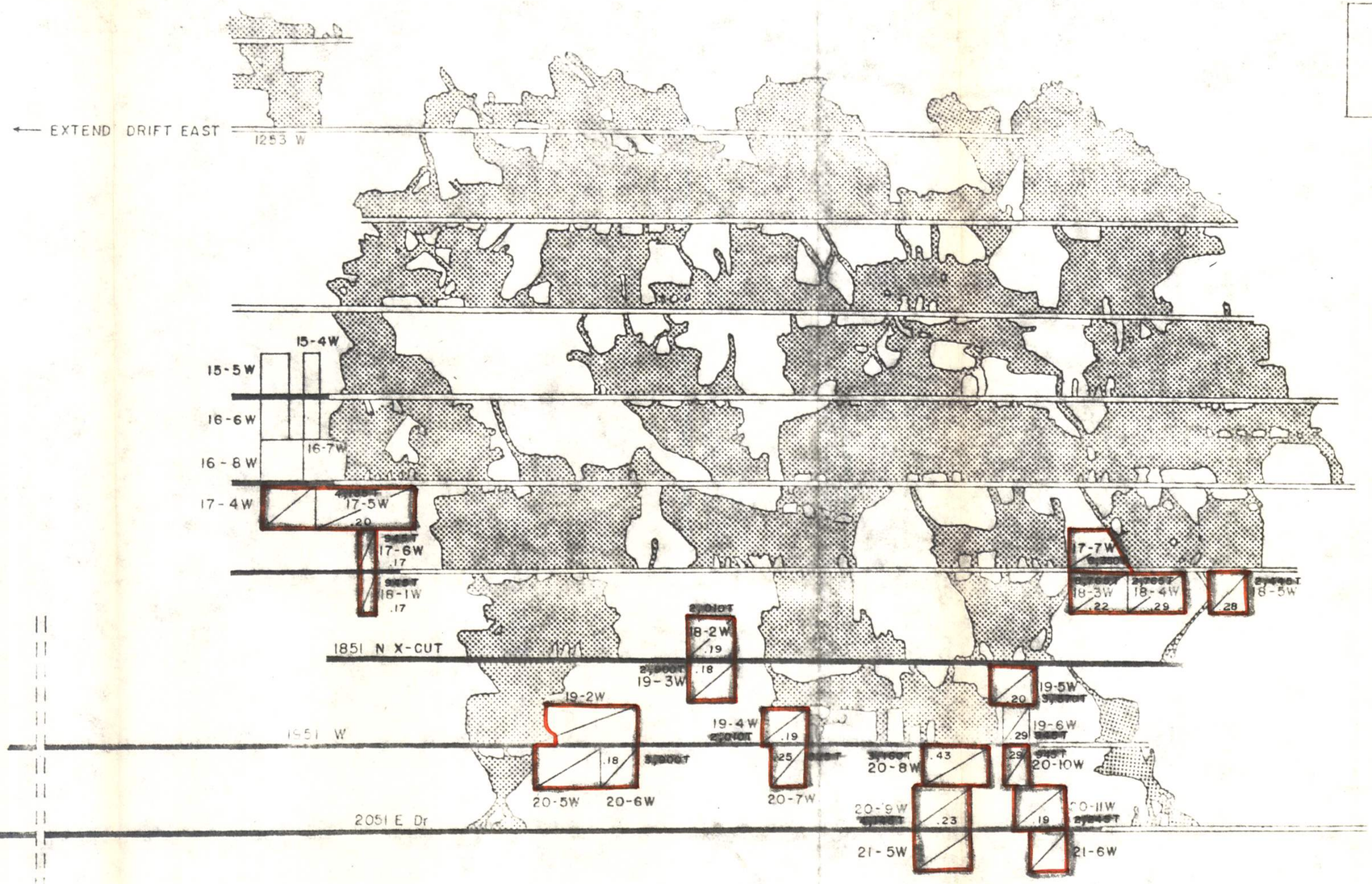
West

LEGEND

STOPED AREAS

LEVELS REHABILITATED BY YEAR 4

READILY AVAILABLE ORE BLOCK



CROWN SHAFT

11 LEVEL TO 20 LEVEL

DRAFT

inches
0 1
0 1 2
centimetres

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E & B EXPLORATIONS INC.
VANCOUVER · CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF 53 VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
3-17-82				1" = 200'	17

East

West

LEGEND

STOPED AREAS

LEVELS REHABILITATED BY YEAR 4

READILY AVAILABLE ORE BLOCK

555 DR

655 DR

755 DR

855 DR

1055 DR

1159 DR

1255 X-CUT

1355 X-CUT

1459 X-CUT

E FAULT

EMPIRE FAULT

CROWN SHAFT

AREA FOR EXPLORATION

6-3W

6-2W

7-1W

8-1W

8-2W

8-3W

10-0W

10-1W

10-2W

10-3W

10-4W

EXTEND TO SERPENTINE →

11-1W

11-2W

11-3AW

11-3W

11-4W

11-5W

11-6W

12-1W

12-2W

12-3W

12-4W

12-5W

12-6W

12-7W

12-8W

12-9W

13-1W

13-2W

13-3W

13-4W

13-5W

13-6W

13-7W

13-8W

13-9W

14-1W

14-2W

14-2A HW

14-3W

14-4W

14-5W

14-6W

14-7W

14-8W

14-9W

15-1W

15-2AHW

15-2W

15-3W

15-4W

15-5W

15-6W

16-1W

16-1AW

16-2W

16-3W

16-3AW

17-1W

17-1AW

17-2W

6 LEVEL TO 16 LEVEL

inches 0 1

centimetres 0 1 2

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DRAFT

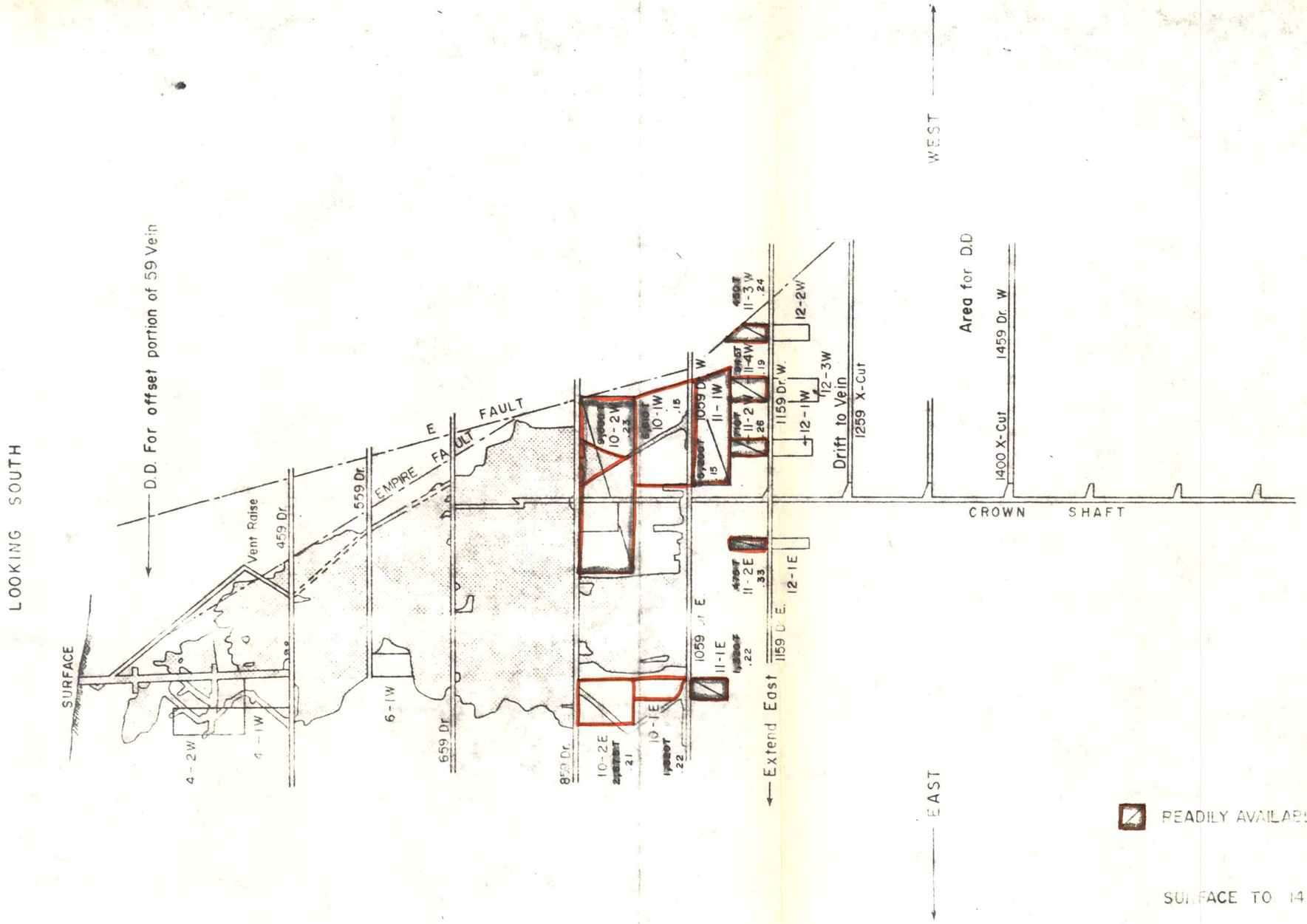
E&B EXPLORATIONS INC.

VANCOUVER CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF 55 VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
3-17-82				1" = 200'	18



DRAFT

inches 0 1 — centimetres 0 1 2

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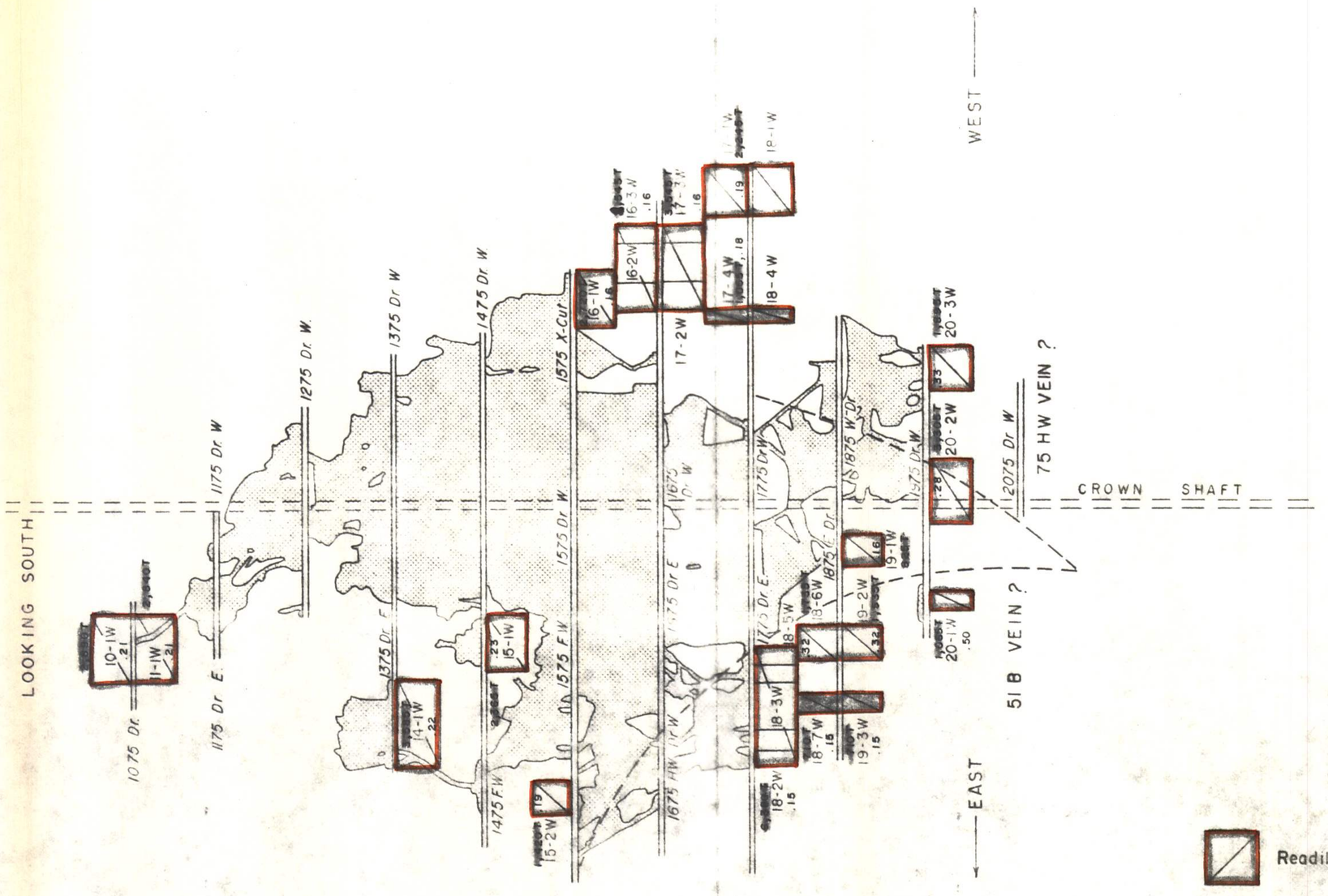
E & B EXPLORATIONS INC.
VANCOUVER CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF "59" VEIN

DATE	OFFICE	DRAWN BY	MAP NUMBER	SCALE	DRAWING NO.
3-12-82	Van.			1" = 200'	19



10 LEVEL TO 20 LEVEL

DRAFT

inches 0 1 — 0 1 2 centimetres

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E & B EXPLORATIONS INC.
VANCOUVER CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF "75" VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
3-12-82	Van			1" = 200'	20

East

West

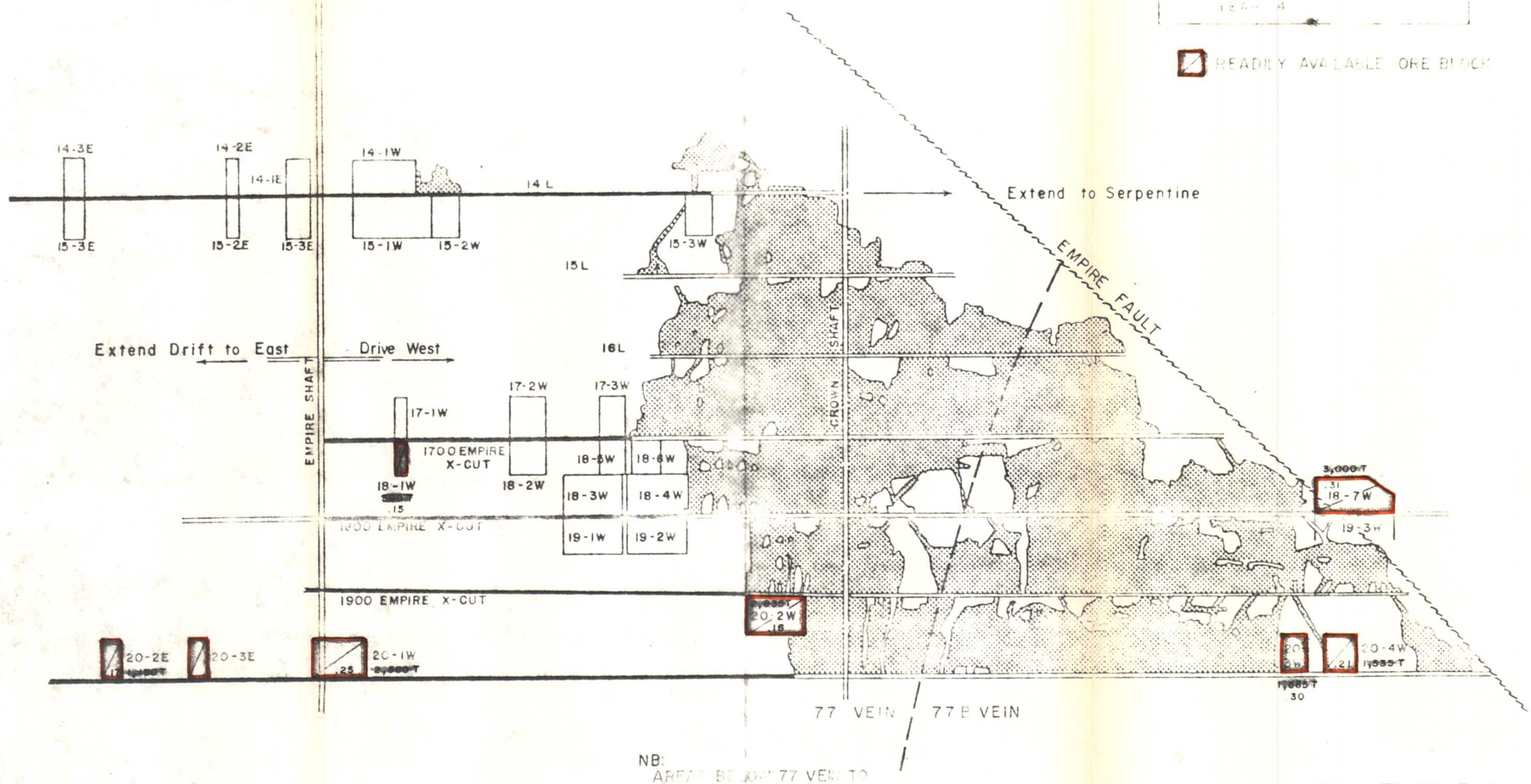
AREA FOR EXPLORATION

LEGEND

STOPE AREAS

DRIFT REMAINING TO BE MINED BY YEAR 4

READILY AVAILABLE ORE BLOCK



NB:
AREAS BELOW 77 VEIN TO BE INVESTIGATED.

14 LEVEL TO 20 LEVEL

DRAFT

inches
centimetres

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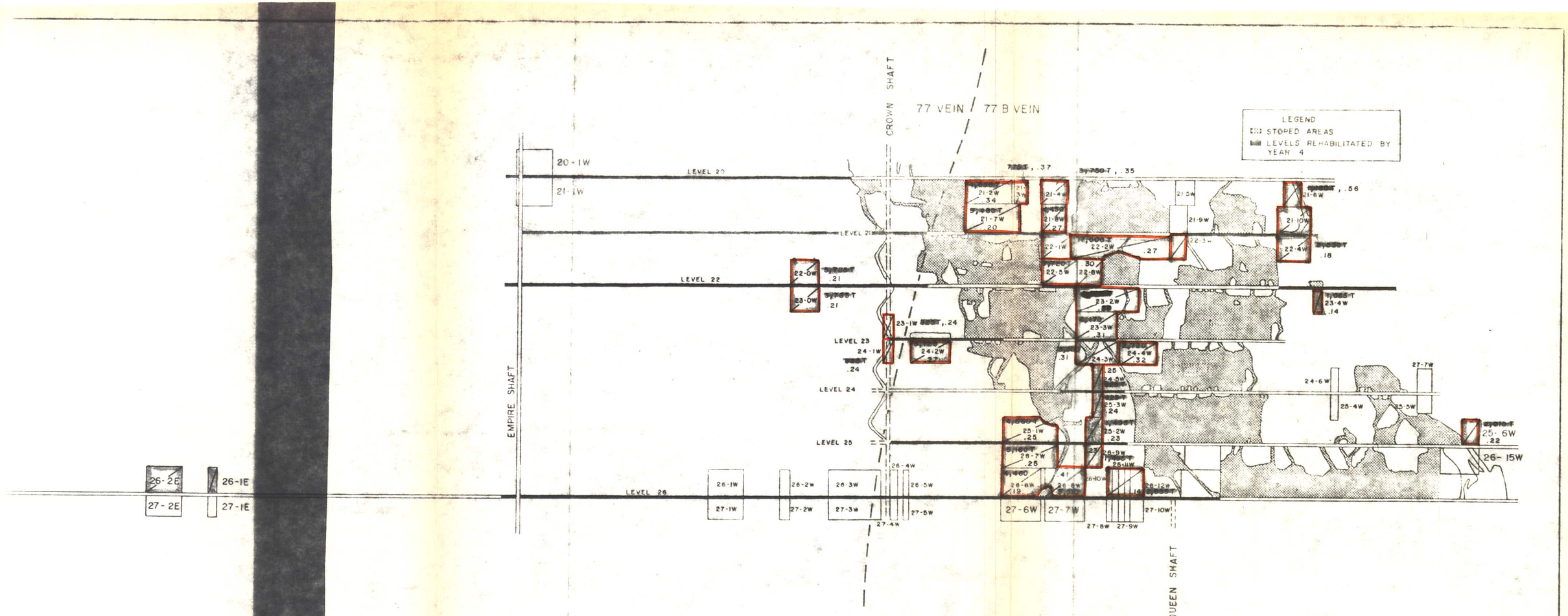
VANCOUVER · CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF 77 & 77 B VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO.	SCALE	DRAWING #
3-17-82				1" = 200'	21



20 LEVEL TO 26 LEVEL

READILY AVAILABLE ORE BLOCK

DRAFT

E&B EXPLORATIONS INC. VANCOUVER CANADA			BRALORNE PROJECT		
			VERTICAL PROJECTION OF 77 & 77B VEIN		
DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO.
3-17-82				1" = 200'	22

inches 0 1
centimetres 0 1 2

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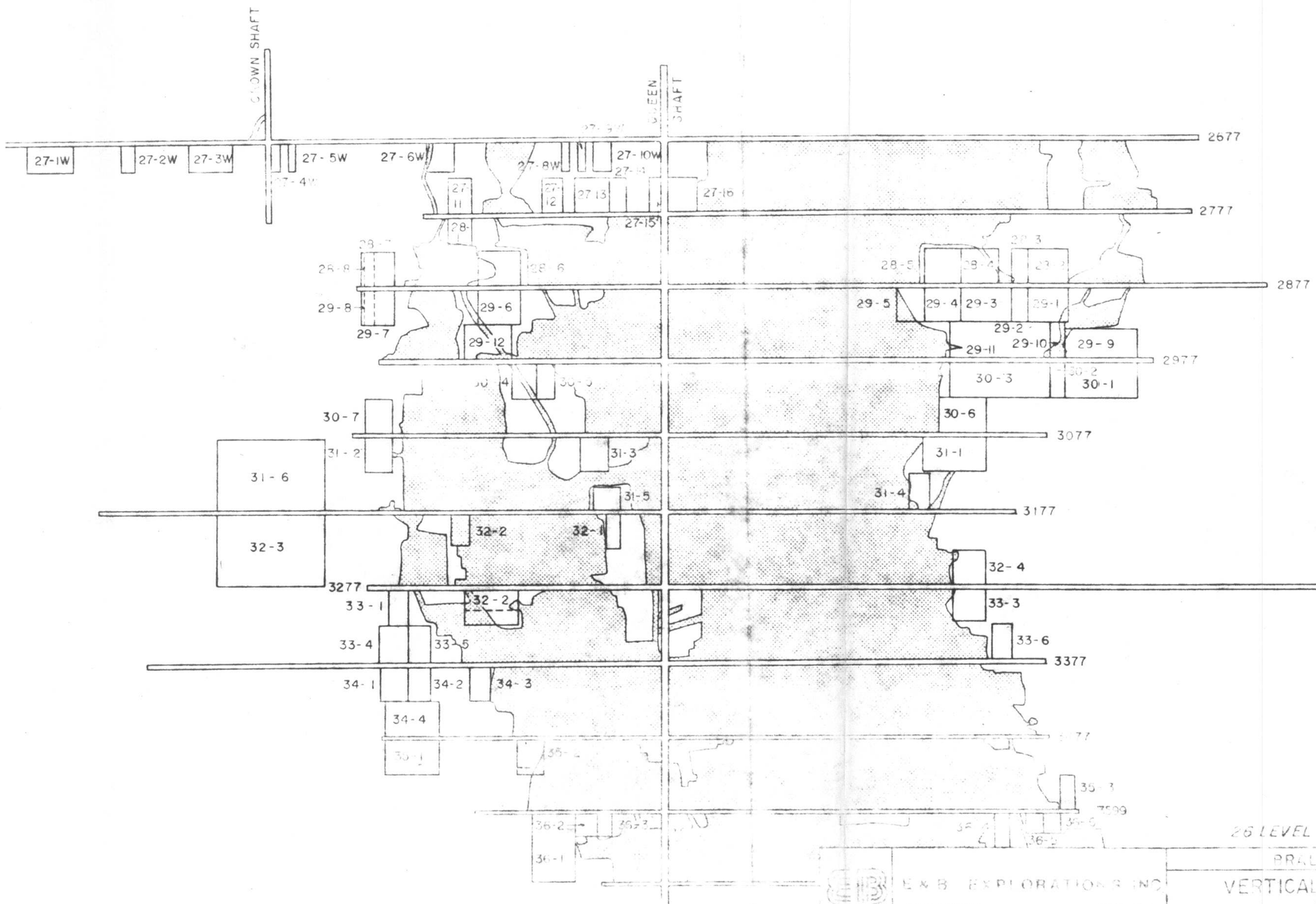
East

West



inches
0 1
0 1 2
centimetres

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DRAFT

26 LEVEL TO 36 LEVEL

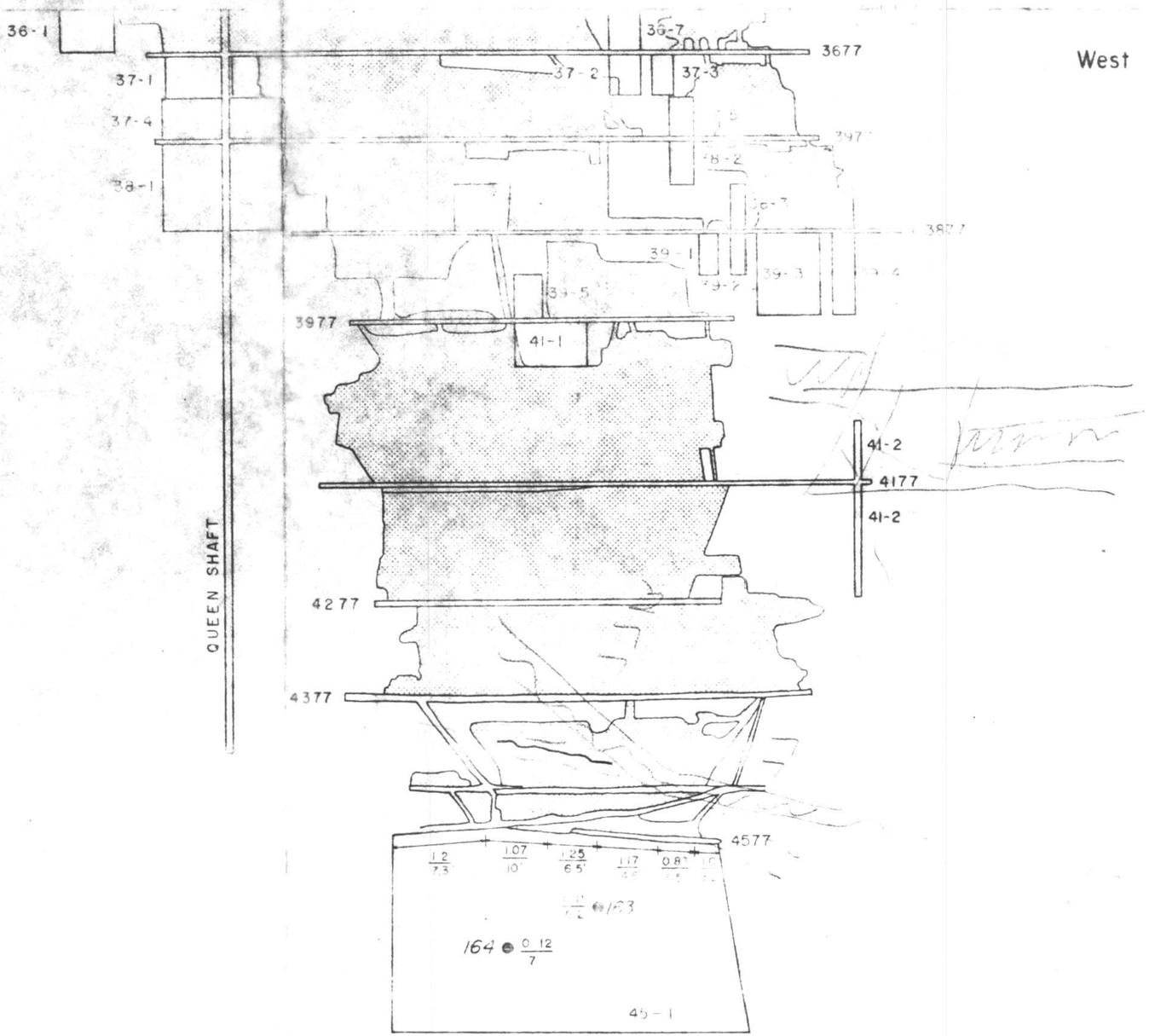
E & B EXPLORATIONS INC
VANCOUVER CANADA

PRALORNE PROJECT
VERTICAL PROJECTION OF
77B VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO	SCALE	DRAWING NO
3-16-82				1" = 200'	23

East

West



QUEEN SHAFT

36 LEVEL TO 45 LEVEL

BRALORNE PROJECT

VERTICAL PROJECTION
77B VEIN

3-10-82

1" = 200'

inches
0 1
0 1 2
centimetres

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

DRAFT

LEGEND

STOPED AREAS

LEVELS REHABILITATED BY YEAR 4

READILY AVAILABLE ORE BLOCK

West

East

1979 DR E

2081 DR E

2579 DR W

2479 DR W

2279 DR W

2279 FW

2 MINED

QUEEN SHAFT

NOT SHOWN

3779 - 1950 - 0.24
3879 - 1953 - 0.20
3879 - 1960 - 0.24

19 LEVEL TO 35 LEVEL

DRAFT

inches
0 1
0 1 2
centimetres

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VANCOUVER · CANADA

BRALORNE PROJECT

VERTICAL PROJECTION OF 79 VEIN

DATE	OFFICE	DEPARTMENT	MAP INDEX NO.	SCALE	DRAWING NO.
3-17-82				1" = 200'	25