

A REPORT ON
UNDERGROUND DEVELOPMENT AND
DRILL PROGRAM - 1995

ON THE BRALORNE PROPERTY
LILLOOET MINING DIVISION
BRIDGE RIVER AREA

GRANT NO. 95/96 A-32

FOR

MINISTRY OF MINES & PETROLEUM RESOURCES
FIFTH FLOOR, 1810 BLANCHARD STREET
VICTORIA, B.C. V8V 1X4

BRALORNE
DECEMBER 6, 1995
**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

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25,356

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EXPLORE B.C. PROGRAM
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TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION	1
LOCATION, ACCESS, PHYSIOGRAPHY, CLIMATE	2
CLAIMS DESCRIPTION	3
SURFACE EXPLORATION	5
UNDERGROUND WORK	6
SUMMARY & CONCLUSIONS	7
MAPS IN POCKET AT BACK:	GEOLOGY & ASSAY PLANS

SUMMARY & CONCLUSIONS

THE BRALORNE PROJECT IS LOCATED 160 KMS. NORTH OF VANCOUVER, B.C. AND IS SITUATED IN THE LILLOOET MINING DIVISION. THE PROPERTY IS A COMBINATION OF THE OLD TAYLOR-BRIDGE PROPERTY (ALSO KNOWN AS THE LOVE OIL OR LOCO PROPERTY) AND THE BRALORNE-PIONEER PROPERTY WHICH CONTAINED 3 PRODUCING MINES, THE KING, BRALORNE, AND PIONEER MINES. THE BRALORNE PROPERTY IS JOINTLY OWNED 50%-50% BY BRALORNE-PIONEER GOLD MINES LTD. AND AVINO MINES AND RESOURCES LTD..

THE PRINCIPAL PURPOSE OF THIS REPORT IS TO DOCUMENT THE WORK PROGRAM COVERED UNDER THE EXPLORE B.C. GRANT # 95/96 A-32. THE REPORT WILL NOT GO INTO DETAIL OF WORK FUNDED BY OTHER MEANS BUT THE READER MAY REFER TO THE REFERENCES FOR FURTHER PUBLIC INFORMATION.

EXPLORATION WORK HAS BEEN CARRIED OUT BY THE OWNERS WITH PRODUCTION OF GOLD AS THE MAIN GOAL SINCE THE DISCOVERY OF A "NEW" UNKNOWN VEIN WAS DISCOVERED ON THE NORTHEAST SIDE OF ONE OF THE STRUCTURALLY CONTROLLING FAULTS (FERGUSSON FAULT). SINCE 1987 SEVEN NEW VEINS HAVE BEEN DISCOVERED OUTSIDE THE KNOWN PRODUCING AREAS AND THE MINERALIZATION, STRUCTURE, DIP ETC... IS IDENTICAL TO THE PAST PRODUCERS EXCEPT FOR A STRIKE ROTATION OF 45 DEGREES AS THE CONTROLLING FAULTS ROTATED BY 45 DEGREES AS WELL.

EXPLORATION DRILLING LAST WINTER VERIFIED THE PAST THEORIES THAT THE VEINS OF BRALORNE AND THE VEINS OF THE PIONEER MINE ARE THE SAME STRUCTURES AND ARE PRESENT IN THE 2,000 FOOT GAP BETWEEN THE 2 PAST PRODUCING MINES.

THE ABOVE MENTIONED COMPANIES ARE NOW IN POSSESSION OF A MINE DEVELOPMENT CERTIFICATE SO PRODUCTION IS PLANNED FOR 1996 FROM THE BLOCKED OUT RESERVES OF 476,835 TONS GRADING 0.31 OZ./TON GOLD OVER AN AVERAGE WIDTH OF 4.7 FEET. THE RESERVES ARE LOCATED ABOVE THE MAIN HAULWAY SO INCREASED COSTS OF USING THE EXISTING SHAFTS IS NOT NECESSARY. THE POTENTIAL FOR INCREASING THIS RESERVE FIGURE IS EXTREMELY HIGH AS THERE HAS ONLY BEEN WIDE SPACED DRILLING CONDUCTED ON THE NEW 7 VEINS AND IN THE VEINS BETWEEN THE BRALORNE AND PIONEER MINES. SIGNIFICANT RESERVES ARE LEFT IN THE UPPER WORKINGS IN THE KING MINE AS WELL.

THE WORK PROGRAM COVERED BY THE GRANT WAS SURFACE DRILLING OF THE MADDIE VEIN AND DRIFTING COMBINED WITH UNDERGROUND DRILLING ON THE PETER VEIN. THE DETAILS OF THIS PROGRAM ARE COVERED IN THIS REPORT.

INTRODUCTION

THE PURPOSE OF THIS REPORT IS TO DOCUMENT THE EXPLORATION WORK COMPLETED FROM SEPTEMBER TO DECEMBER - 1995 ON THE BRALORNE PROJECT. THE BRALORNE PROJECT IS OWNED 50% BY BRALORNE-PIONEER GOLD MINES LTD. AND 50% BY AVINO MINES AND RESOURCES LTD. AND IS LOCATED IN THE LILLOOET MINING DIVISION.

THE WRITER WILL NOT GO INTO DETAIL ON PREVIOUS WORK ON THE BRALORNE PROJECT BUT THE READER CAN REFER TO REFERENCES FOR OTHER INFORMATION. THIS REPORT WILL DETAIL THE PROGRAM COVERED BY THE B.C. EXPLORE GRANT IDENTIFICATION # 95/96 A-32 WHICH COVERS SURFACE DIAMOND DRILLING OF THE "MADDIE" ZONE, UNDERGROUND DIAMOND DRILLING AND DRIFTING ON THE 800-LEVEL "PETER" VEIN INCLUDING DRILL SITE SET-UPS AND ONE CROSS-CUT.

LOCATION, ACCESS, PHYSIOGRAPHY, CLIMATE

THE PROPERTY IS LOCATED 100 MILES (160 KMS.) DUE NORTH OF VANCOUVER IN SOUTHWESTERN BRITISH COLUMBIA, AND IS CENTERED AT 50°46" N LATITUDE AND 122° 48" W LONGITUDE. IT IS LOCATED IN THE LILLOOET MINING DIVISION ON N.T.S. MAP SHEET 92-J-15.

ROAD ACCESS IS VIA HIGHWAY 40, ON AN ALL WEATHER GRAVEL ROAD FROM LILLOOET OR SUMMER ACCESS VIA THE HURLEY RIVER FOREST ROAD FROM PEMBERTON.

THE BRALORNE PROPERTY IS LOCATED IMMEDIATELY EAST OF THE CONFLUENCE OF THE HURLEY RIVER AND CADWALLADER CREEK 4.1 MILES (6.6 KMS.) ABOVE THE JUNCTION OF THE HURLEY AND BRIDGE RIVERS AT GOLD BRIDGE. THE AREA IS CHARACTERIZED BY RUGGED MOUNTAIN TERRAIN DEEPLY INCISED BY STREAMS AND RIVERS, TOPPED BY SHARP PEAKS AND SERRATED RIDGES. RELIEF IN THE AREA IS APPROXIMATELY 6,500 FEET (2,000 M). THE WINTERS ARE LONG AND COLD WITH HOT, DRY SUMMERS.

CLAIMS DESCRIPTION

THE BRALORNE-PIONEER PROPERTY IS LOCATED IN THE LILLOOET MINING DIVISION AND IS COMPOSED OF 154 CROWN GRANTS, 5 REVERTED CROWN GRANTS, 4 METRIC UNIT CLAIMS AND 2 PLACER LEASES. THE PROPERTY HOLDINGS ARE AS FOLLOWS:

CROWN GRANTS

<u>NAME</u>	<u>LOT NO.</u>	<u>CLAIM</u>	<u>LOT NO.</u>
COSMOSPOLITAN	583	VIRGINIA	5455
NOELTON FR.	5466	MAUSER	5457
CARL	5458	ALEX	5459
MATTHEW	5460	JOHN	5461
KATHLEEN	5462	RAYMOND	5463
SAVAGE	5464	WINCHESTER	5465
LEE METFORD	5466	CARBINE	5467
STAR NO. 1 FR.	5925	EDNA MARY	5920
ALEX FR.	5921	ALEX NO. 2 FR.	5922
RAYMOND FR.	5923	STAR FR.	5924
BLUE JAY	6466	IDA MAY	457
NELLIE FR.	458	MARY FR.	459
TRIO FR.	460	LITTLE JOE	539
WHITE CROW	540	BEND'OR FR.	541
JIM CROW FR	542	DELIGHTED	543
WOODCHUCK	579	COPELAND	580
HIRAM	581	MARQUIS	586
GOLDEN KING	587	LORNE	588
ALHAMBRA	665	NIGHT HAWK	666
LURGAN FR. NO. 1	667	LURGAN FR. NO. 2	668
METROPOLITAN	669	TELEPHONE	670
WOOD DUCK	671	EXCHANGE FR.	673
BLACKBIRD	1176	COUNTLESS	1177
NELLIE	1179	WHIP POOR WILL	1221
DUKE	1222	ROYAL	1224
LEROY	1225	MAUD S FR.	1226
SILVER DOLLAR	2372	GOLDEN RIBBON	2374
ALMA	2375	UNION FR.	2376
GOLD QUEEN FR	2377	SILVER KING	2378
MOTHERLODE FR	2379	ANDY FR	2380
DON F	2381	DON C	2382
DON A	2383	DON E	2384
DON B	2385	ROBIN	2387
RAINIER	2388	TACOMA	2389
SEATTLE	2390	NUGGET KING	2393
DON Z	2394	SUNSET	3045
GREAT FOX	3046	EAST PACIFIC	3047
CLIFTON	3048	CORASAND	3049
EMMADALE	3050	UNION JACK FR.	3051
TITANIC FR.	3053	INVINCIBLE	3091
LEON NO. 1	5323	LEON FR.	5324
LEON NO. 2	5225	LEON NO. 3	5326
LEON NO. 4	5328	VICTOR FR.	5331
HIRAM FR.	5332	EAGLE FR.	5468

EAGLE	5469
LUCKY BOY FR	5475
SAVOY	5477
EUREKA	547
COSMOPOLITAN FR	5481
CORONATION FR	5483
MACK R	5485
POLNUD FR	5487
TELEPHONE FR	5489
A FRACTION	5517
B FRACTION	5519
HOPE	5521
JACK	5523
BUCK FR	5525
GREAT DIVIDE FR	5591
DEVELOPMENT 1	5595
DEVELOPMENT 3	5597
SUNBEAM	5742
COMSTOCK NO 2	5744
SUNSHINE	5746
LORENZO	5748
ORION	5751
COMSTOCK NO. 7	5754
TURRET FR	6037
EAGLE	6039
ANNE FR	6041
ROBIN FR	6045
DIANE	6830
CAROL FR	6840
AM	6946
DEEP FR	6948
J.B. FRACTION	7428
JEAN NO 4 FR	7430

EAGLE NO. 1	5470
BESSIE FR	5476
EMPIRE FR	5478
CASCADE FR	5480
DUKE FR.	5482
POLNUD	5484
NIGHT HAWK FR.	5486
PASADENA FR	5488
MONICA MARJORIE	5508
HILDA	5518
MARGARET	5520
DAVID	5522
ANNETTE FR	5524
MILLBANK	5582
DEVELOPMENT 2	5594
DEVELOPMENT 2A	5596
DEVELOPMENT 4	5598
COMSTOCK NO 5	5743
HOMESTAKE	5745
COMSTOCK NO 3	5747
ORION NO 4	5750
COMSTOCK NO. 8	5752
COMSTOCK NO. 6	5755
GOLD KING	6038
WHITE STAR	6040
DON C FR	6044
MARIA FR	6048
HEATHER FR	6839
LEE FR	6945
BEEF FR	6947
AUDREY FR	6954
JEAN FR	7429

REVERTED CROWN GRANTS

ACE FR.	228403	2004/02/01
OGDEN	228753	2004/03/26
OGDEN 1 FR.	228754	2004/03/26
MCCALLUM FR	228759	2004/04/11
ROSALINE FR	228760	2004/04/10

MINERAL CLAIMS

CORA FR.	228395	2004/06/08
MEAD CLAIM	316338	2004/02/28
NOEL	316574	2004/03/12
KING	316573	2004/03/05

PLACER LEASES

	267604	1996/11/10
	267605	1996/11/10

SURFACE EXPLORATION ON THE "MADDIE" ZONE:

A TRENCHING PROGRAM WAS COMPLETED ON THE NORTHEAST CORNER OF THE BRALORNE PROPERTY ON A PREVIOUSLY SAMPLED SOIL GRID ANOMALOUS IN GOLD. THE HOST ROCK WAS ENCOURAGING AS IT WAS THE PIONEER GREENSTONE AND SODA GRANITE. A STRONG QUARTZ/CARBONATE VEIN WAS DISCOVERED STRIKING DUE NORTH AND DIPPING 45 DEGREES TO THE EAST. THE VEIN WAS TYPICAL OF THE BRALORNE-PIONEER VEINS WITH HAIRLIKE BANDS OF GROUND PYRITE/ARSENOPYRITE AND VISIBLE GOLD. THE VEIN VARIES FROM A SHEAR TO 11 FEET IN THICKNESS. A SERIES OF 16 TRENCHES UNCOVERED THE VEIN FOR A STRIKE LENGTH OF 1100 FEET. THE BEST TRENCHES RETURNED VALUES OF 0.22 OZ./TON OVER A TRUE THICKNESS OF 11 FEET, 0.839 OZ./TON OVER 5 FEET, AND GRABS UP TO 1.35 OZ./TON GOLD. ATTACHED TRENCH PLAN VIEW WITH GEOLOGY AND ASSAYS LOCATED AT THE BACK OF THE REPORT.

THE TRENCH RESULTS WERE POSITIVE SO 658 METERS IN A SERIES OF 7 SURFACE NQ SIZE DIAMOND DRILL HOLES WERE COMPLETED ON THE MADDY ZONE (REFER TO ATTACHED SECTIONS AND DRILL HOLE PLAN). THE INITIAL HOLES WERE DIRECTED TO PIERCE THE VEIN BELOW THE BEST TRENCHES TO TEST DEPTH CONTINUITY. THE RESULTS OF THE DRILL PROGRAM WERE DISAPPOINTING AS ONLY HOLE 4 CONTAINED A STRONG VEIN WITH GOOD BANDING AND VISIBLE GOLD. THE DRILLING VERIFIED THAT THE GOOD STRONG LENSE OF QUARTZ LOCATED IN THE BEST TRENCHES IS PLUNGING TO THE NORTH, NOT THE TYPICAL VERTICAL RAKE OF BRALORNE/PIONEER VEINS. THE FOLLOWING TABLE SUMMARIZES THE DRILL INTERSECTIONS:

<u>HOLE#</u>	<u>WIDTH (FT.)</u>	<u>CORE (OZ./TON)</u>	<u>SLUDGE (OZ./TON)</u>
95-M-1	4.0	0.06/4	.201/10
95-M-2	3.0	0.085/3	TR.
95-M-3	1.0	0.058	0.049/10
95-M-4	8.2	0.04/8.2	0.153/10
95-M-5	4.0	0.002/4	0.019/10
95-M-6	5.0	TR.	0.24/10
95-M-7		TR.	TR.

UNDERGROUND DRIFTING AND DRILLING OF THE PETER VEIN:

UNDERGROUND DRIFTING WAS COMMENCED TO EXPLORE THE PETER VEIN AT DEPTH 1,000 FEET VERTICALLY BELOW SURFACE AND 900 FEET VERTICALLY BELOW THE NEAR SURFACE DRIFT WHICH WAS IN ORE ITS ENTIRE 215 FEET. THE EXISTING TAYLOR CROSS-CUT ON BRALORNES 800-LEVEL WAS USED TO GAIN ACCESS TO THE PETER VEIN. 700 FEET OF DRIFT WAS COMPLETED ON THE PETER VEIN UNTIL DRIFTING WAS HALTED AS THE VEIN HAD SPLIT INTO 3 VEINS AFTER CROSSING A FAULT. THE CLOSEST DRILL HOLE FOR GUIDANCE WAS LOCATED 400 FEET ABOVE THE 800-LEVEL SO IT COULD NOT GUIDE US IN WHICH VEIN TO FOLLOW. THE END OF THE DRIFT WAS JUST APPROACHING THE PROJECTION OF THE ORE SHOOT EXPLORED IN THE NEAR SURFACE ADIT.

THE 700 FEET OF DRIFTING DID EXPOSE AN UNKNOWN ORE-SHOOT GRADING 0.34 OZ./TON GOLD OVER A WIDTH OF 6.1 FEET FOR A STRIKE LENGTH OF 120 FEET. THERE WAS 150 FEET OF CROSS-CUTTING FOR DRILL SITES HERE AND ANOTHER 150 FEET OF CROSS-CUT DRIVEN FOR DRILLING ACCESS IN THE BRALORNE AREA OF THE MINE.

FROM THE DRILL SITES 544 METERS OF THIN WALL BQ DRILL CORE SIZE WAS DRILLED TO GUIDE THE FUTURE DRIFTING ON THE PETER VEIN. THE DRILLING PROGRAM WAS DESIGNED TO PIERCE THE PETER VEIN AND A PARALLEL VEIN NAMED THE BIG SOLLY VEIN WHICH IS LOCATED 250 SOUTH WEST OF THE PETER VEIN. THE DRILLING PROVED THAT THE MIDDLE VEIN OF THE 3 VEIN PETER SPLIT IS THE ONE TO DRIFT UPON AS THE OTHER 2 VEINS PINCH OUT. THE PETER VEIN IS WELL MINERALIZED AND 5 TO 6 FEET IN WIDTH WITH STRONG BANDING. THE MINERALIZATION IS THE TYPICAL BANDED PYRITE, ARSENOPIRYTE, AND MINOR GALENA, SPHALERITE AND MARIPOSITE WHICH IS INDICATIVE THAT THE VEIN IS ORE WHEN THESE MINOR MINERALS ARE PRESENT. THE BIG SOLLY VEIN PRODUCED EXCITING INTERSECTIONS BUT THE WIDTHS WERE ERRATIC. WITH THE PETER VEIN INTERSECTIONS FURTHER DRIFTING IS WARRANTED BECAUSE THE OLD SAYING OF, DRILL FOR STRUCTURE AND DRIFT FOR GRADE, IS PROVEN IN THIS CAMP. THE FOLLOWING IS THE DRILL HOLE INTERSECTION ASSAYS OF THE PETER VEIN AND THE BIG SOLLY VEIN:

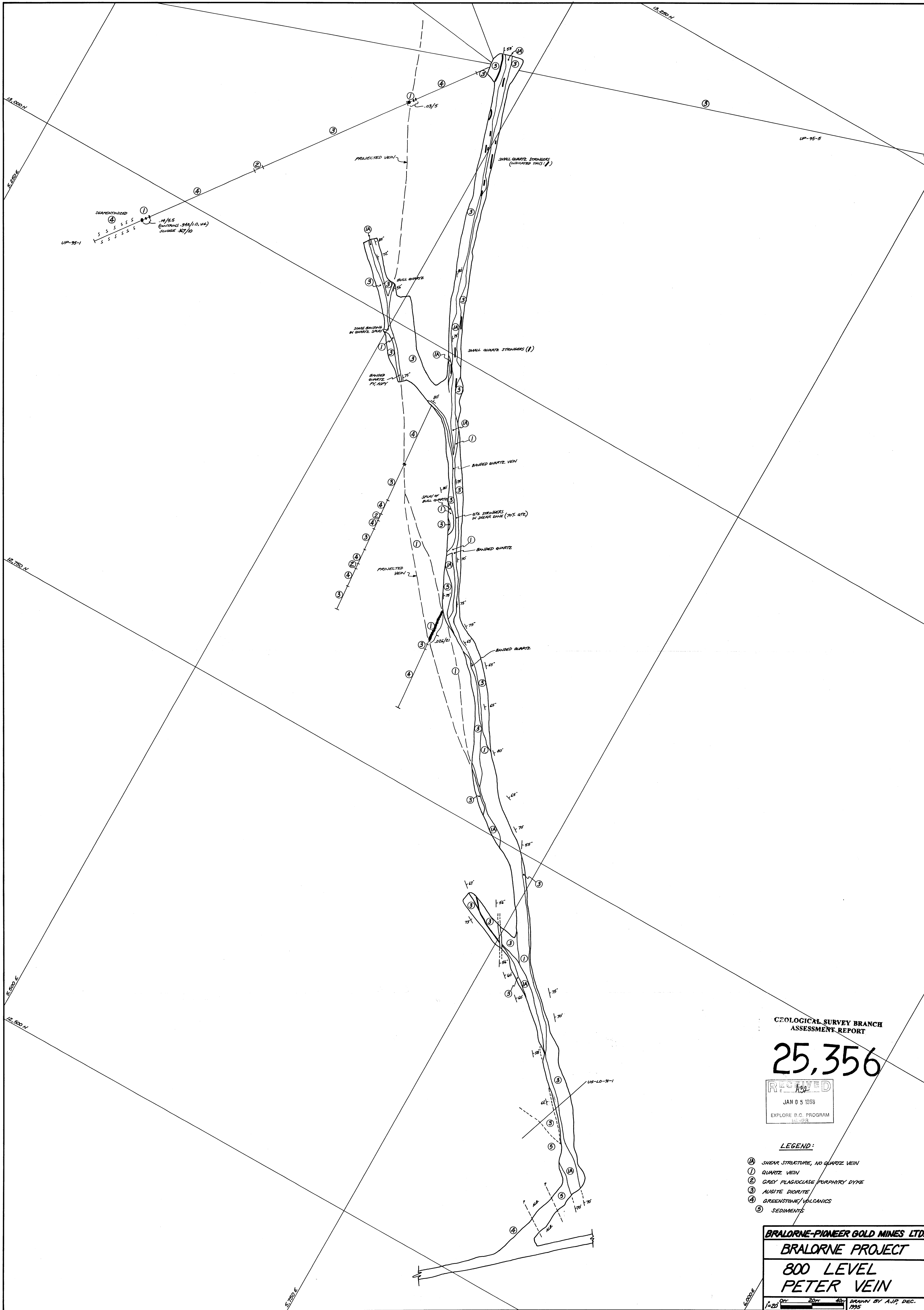
PETER VEIN:

<u>HOLE #</u>	<u>WIDTH (FT.)</u>	<u>CORE (OZ./TON)</u>	<u>SLUDGE (OZ./TON)</u>
UP-95-1	5	.03/5	TR.
UP-95-2	6.5	.13/6.5	0.191/10
UP-95-3	5.5	.11/5.5	0.059/10
UP-95-4	7.0	.045/7	0.161/10
	4.0	.230/4	

BIG SOLLY VEIN:

<u>HOLE #</u>	<u>WIDTH (FT.)</u>	<u>CORE (OZ./TON)</u>	<u>SLUDGE (OZ./TON)</u>
UP-95-1	5.5	.14/5.5	.167/10
UP-95-2	2.0	.148/2	.057/10
UP-95-3	5.5	.043/5.5	.104/10
UP-95-4	4.0	2.0/4.0	.898/20

PLAN OF DRILL HOLE ASSAYS AND GEOLOGY LOCATED AT THE BACK OF THE REPORT.



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LEGEND:

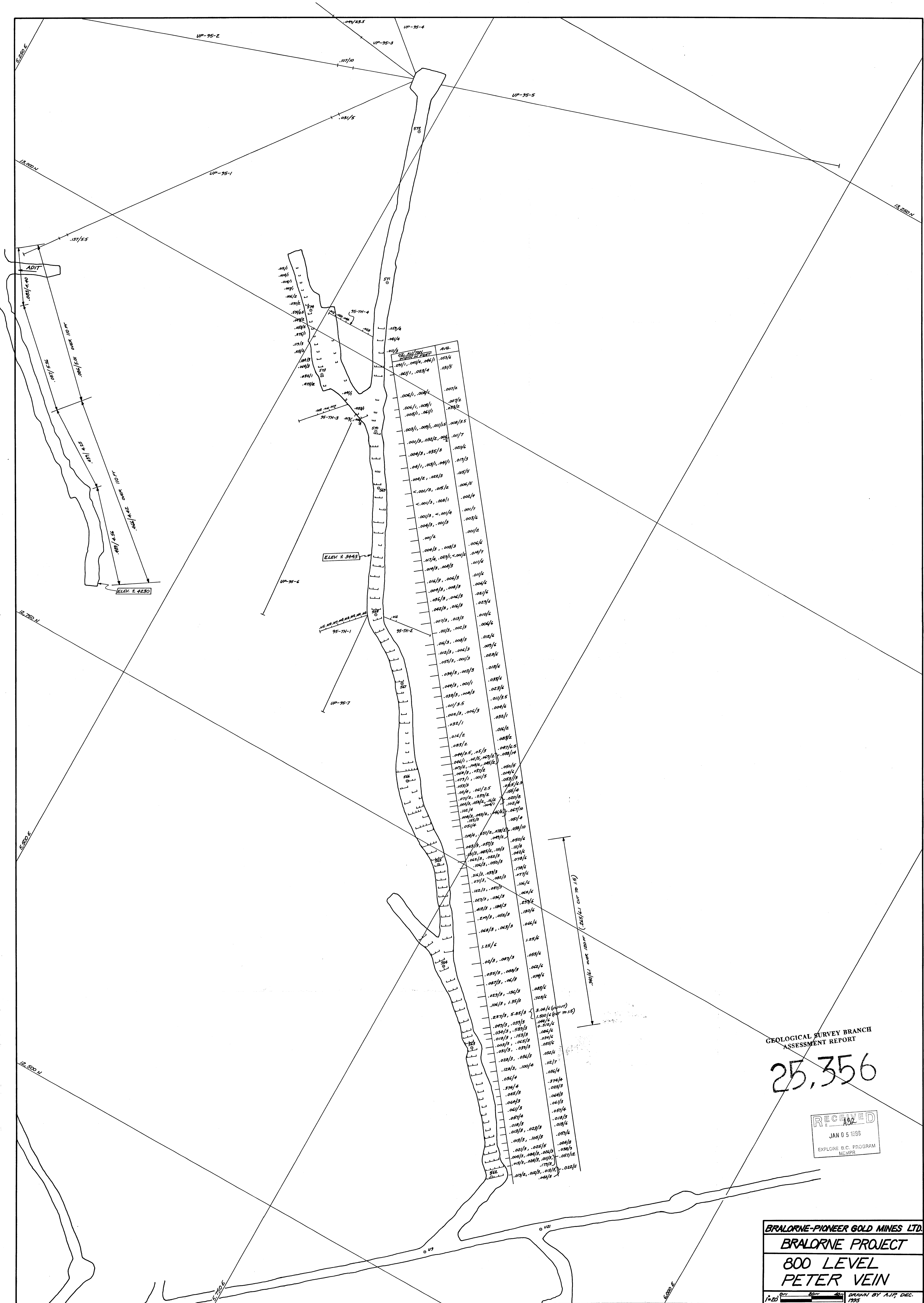
- ④ SHEAR STRUCTURE, NO QUARTZ VEIN
- ① QUARTZ VEIN
- ② GREY PLAGIOCLASE PORPHYRY DYKE
- ③ AUGITE DIORITE
- ④ GREENSTONE/VOLCANICS
- ⑤ SEDIMENTS

BRALORNE-PIONEER GOLD MINES LTD.

BRALORNE PROJECT

800 LEVEL
PETER VEIN

1:20 0m 20m 40m DRAWN BY AJP, DEC. 1985



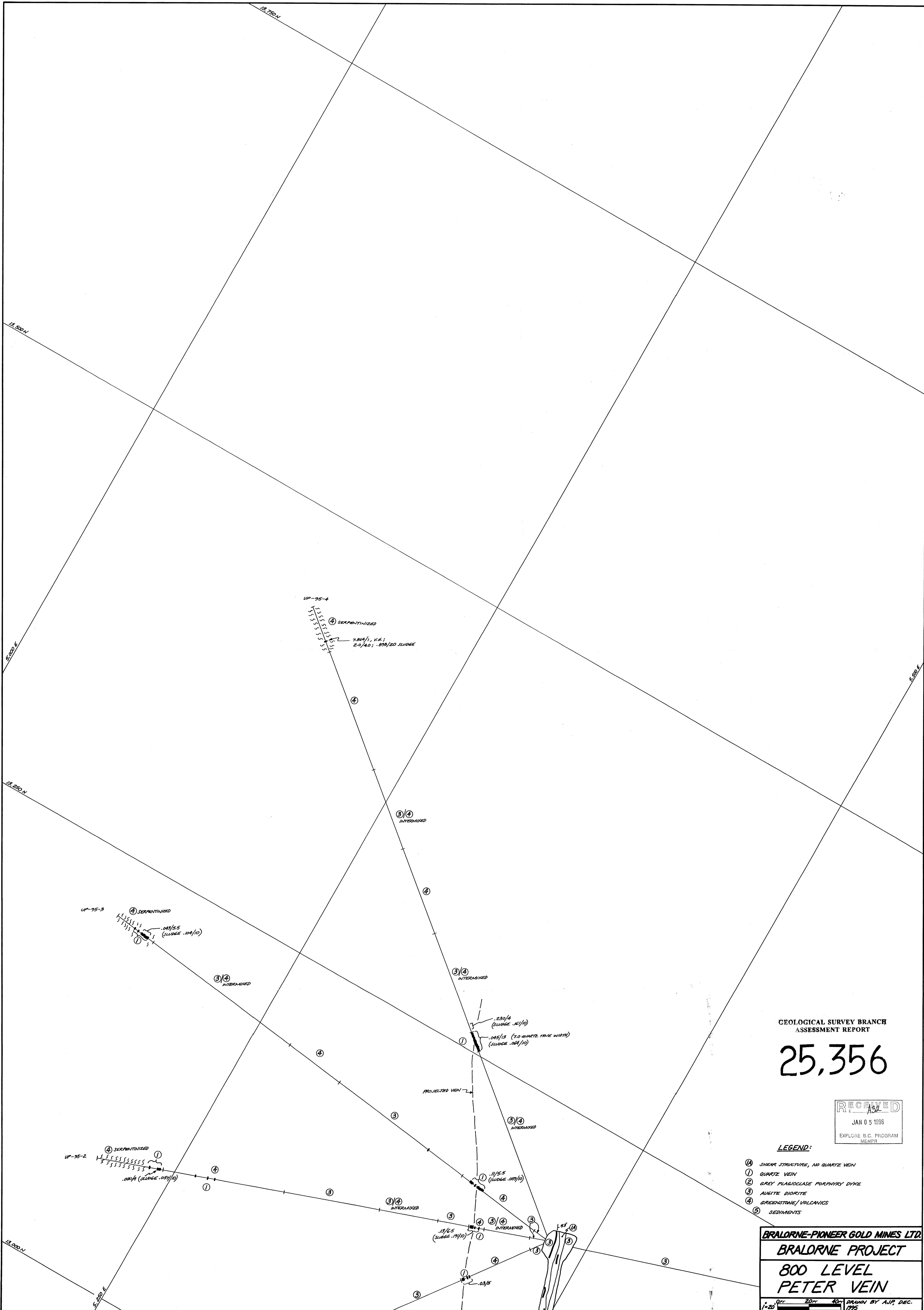
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MEMPHIS

BRALORNE-PIONEER GOLD MINES LTD.
BRALORNE PROJECT
800 LEVEL
PETER VEIN

1:2000
DRAWN BY A.J.F. DEC. 1995



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LEGEND:

- ④ SHEAR STRUCTURE, NO QUARTZ VEIN
- ① QUARTZ VEIN
- ② GREY PLAGIOCLASE PORPHYRY DYKE
- ③ AUREOLE DIORITE
- ④ GREENSTONE/VOLCANICS
- ⑤ SEDIMENTS

BRALORNE-PIONEER GOLD MINES LTD.
BRALORNE PROJECT
800 LEVEL
PETER VEIN

0 20 40 METERS
 DRAWN BY AJP, DEC. 1995