ASSESSMENT REPORT

BRISTOL GOLD PROJECT, 1991

REPORT BY

ROB MILLAR AND RON W. LANE
WESTMIN RESOURCES LIMITED

OCTOBER 26, 1992

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1.0 SUMMARY

The Bristol Gold property is being explored for a Bralorne-Pioneer style Au (Ag) deposit, hosted within broad shear zones. Work done in 1991 extended soil sampling and geological mapping on the property to the west of previous work. A total of 130 soil samples were taken at 25 x 50 m spacing. This outlined three relatively linear Au anomalies (using a 50 ppb threshold) containing values up to 13,500 ppb Au. Geological mapping and rock geochemical sampling (25 samples) were also done over the same area. The area covered in 1991 is underlain principally by carbonaceous and siliceous sediments, with minor basalt flows and tuffs, limestone and granite. The mapping showed that the soil anomalies were associated with carbonatized shear zones in basaltic volcanic rocks and argillaceous sediments. Chip sampling across one of these shear zones returned an average grade of 1,690 ppb Au over 8 m, including a maximum value of 3,650 ppb Au over 1 m. The auriferous zones also contain anomalous values in As.

In conclusion, the anomalous Au and As grades identified in this survey are related to narrow, carbonate altered shear zones which are locally exposed on surface. It is recommended that a program of trenching and sampling be carried out to further define the anomalous shear zones identified in the 1991 work.

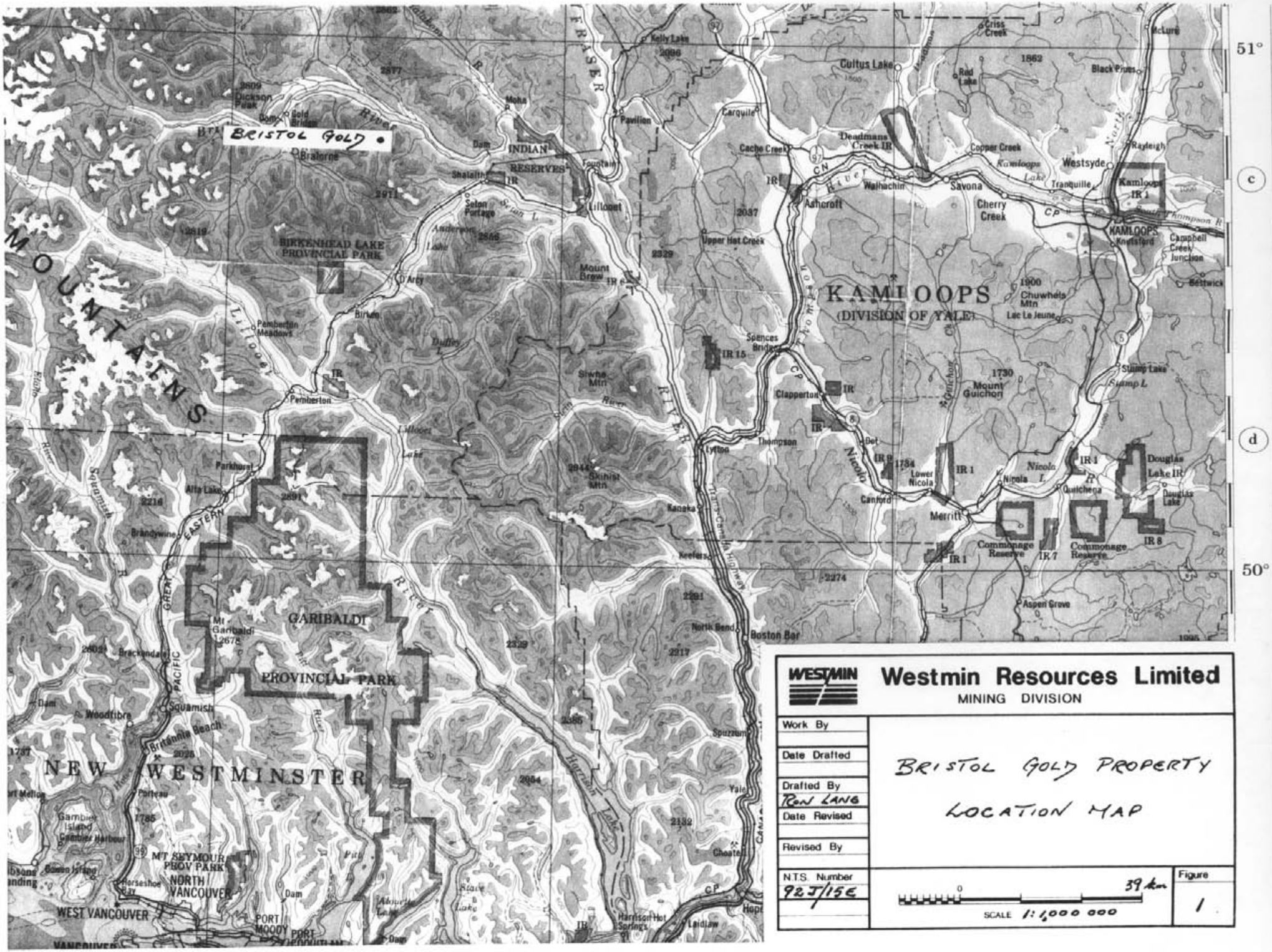
2.0 INTRODUCTION

2.1 Location, Access, Topography

The Bristol Gold property is situated in the Lillooet Mining Division of British Columbia, approximately 175 km north-northeast of Vancouver and 20 km east-northeast of the Bralorne-Pioneer Gold Mine. The property straddles Tommy Creek, which flows south into Carpenter Lake. The northern boundary of the property approximately coincides with the south shore of Carpenter Lake.

Access to the property is via the all-weather Lillooet-Goldbridge gravel road to the north shore of Carpenter Lake (at Km 75), and then across Carpenter Lake by boat or barge. The former Bristol workings and the 1988 Westmin exploration camp were accessed by a 4.5 km long 4 x 4 road, which begins on the south shore of Carpenter Lake and travels south up the west side of Tommy Creek. The road requires annual cat maintenance to remain passable. Barging across Carpenter Lake is restricted during spring and early summer by low water levels and numerous protruding stumps. Carpenter Lake is a B.C. Hydro storage dam.

The Bristol mine workings occur in moderately rugged terrain along Tommy Creek, at an elevation of approximately 1,173 m (3,850 ft). Nearby peaks reach 2,438 m



WESTMIN	Westmin Resources Limited MINING DIVISION	
Work By	BRISTOL GOLD PROPERTY LOCATION MAP	
Date Drafted		
Drafted By RON LANG		
Date Revised		
Revised By		
N.T.S. Number 92J/15E	0 — 39 km SCALE 1:1,000 000	Figure 1

(8,000 ft). Slopes are commonly steep and dip 30° to 40°. Tommy Creek valley is unusually wet for the Lillooet area, and supports a mature stand of cedar and fir. The area is relatively snow-free from mid-May to mid-October. Avalanches could constitute a winter road hazard.

2.2 Exploration Target

Exploration target is a Bralorne-Pioneer style gold (silver) deposit, occurring as zones of high grade gold within broad shear zones containing low to moderate grade mineralization.

2.3 History

1936 to 1940

- Bristol Crown Grants were staked by Bristol Mines Ltd.

1936 to 1941

- Development of 1 and 2 Levels and a short winze below 2 Level.

1942

- Development of 3 Level.
- Operations ceased due to war time difficulties and apparent lack of high grade below 3 Level.

1946

- 157 m of drifting and crosscutting, and a raise to 2 Level was completed.

1947

- 2,750 m underground drill program from 3 Level was completed.

1949

- Cessation of work.

1973

- Property examination and summary report for Camero Resources by A. P. Fawley.

1978

- Property examination and summary report for Camero Resources by A. P. Fawley.

1980 to 1981

- Bristol Crown Grants optioned from Columbia Capital Co. Ltd. by 20th Century Energy Corporation.

- Property evaluation and report for 20th Century Energy Corporation by E. A. Noel and Associates.

- Soil sampling, minor geological mapping and a 4-hole diamond drill program was completed. Drill program was halted midstream due to financial problems.

- Levels 2 and 3 were found to be in good condition, 3 Level was rehabilitated.

- Mine access road was reconstructed.

1984

- 20th Century Energy Corporation transferred ownership of Bristol Crown grants back to Columbia Capital Co. Ltd.

1988

- Westmin Resources Limited obtained option to purchase Bristol Crown grants from Columbia Capital Co. Ltd.

- Option agreement on Bristol Gold property between Westmin Resources Limited and Genco Industries ltd. signed on May 5, 1988.

- Exploration program consisting of extensive soil geochemical sampling, stream geochemical sampling, underground and surface geological mapping and sampling, and surface diamond drilling (17 holes--2,499.45 m).

1989

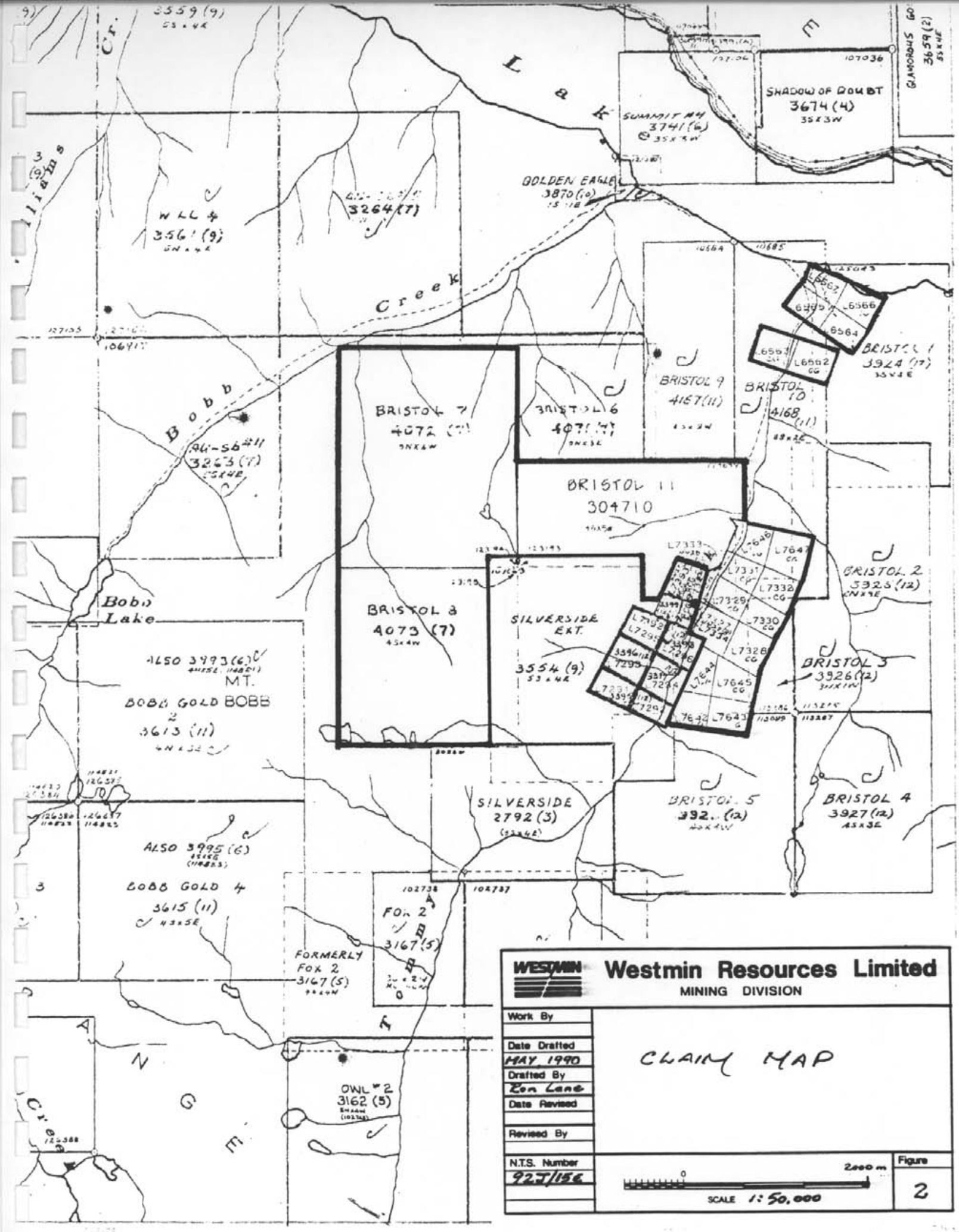
- Soil sampling program covering Bristol Crown grants, numbers 13, 15-18.

2.4 Tenure

The Bristol Gold property consists of Bristol claims 7, 8 and #11 (60 units), and 19 Crown granted claims wholly owned by Westmin Resources Limited. Columbia Capital Co. Ltd. retains an NSR on the Crown grants and a peripheral area.

Claim Name	Mineral Tenure Number	Number of Units	Current Expiry Date	New Expiry Date Re. This Report
Bristol 7	228974	20	July 29, 1992	July 29, 1993
Bristol 8	228975	16	July 29, 1992	July 29, 1993
Bristol #11	304710	20	Sept. 17, 1992	Sept. 17, 1993

Claim Name	Lot No.	Number of Hectares	Due Date of Tax
Bristol No. 1 CG	L7642	13.34	July 1, 1993
Bristol No. 2 CG	L7643	17.08	July 1, 1993
Bristol No. 3 CG	L7644	10.40	July 1, 1993
Bristol No. 4 CG	L7645	17.22	July 1, 1993
Bristol No. 5 CG	L7327	16.56	July 1, 1993
Bristol No. 6 CG	L7328	20.90	July 1, 1993
Bristol No. 7 CG	L7329	13.71	July 1, 1993
Bristol No. 8 CG	L7330	13.61	July 1, 1993
Bristol No. 9 CG	L7331	13.20	July 1, 1993
Bristol No. 10 CG	L7332	16.23	July 1, 1993
Bristol FR CG	L7333	2.71	July 1, 1993
Bristol No. 13CG	L6562	19.23	July 1, 1993



Westmin Resources Limited
MINING DIVISION

Work By	
Date Drafted	MAY, 1990
Drafted By	Don Lane
Date Revised	
Revised By	
N.T.S. Number	92J/15E

CLAIM MAP

0 2000 m
SCALE 1:50,000

Figure 2

Claim Name	Lot No.	Number of Hectares	Due Date of Tax
Bristol No. 14CG	L6563	19.23	July 1, 1993
Bristol No. 15CG	L6564	15.05	July 1, 1993
Bristol No. 16CG	L6565	15.05	July 1, 1993
Bristol No. 17CG	L6566	17.90	July 1, 1993
Bristol No. 18CG	L6567	13.21	July 1, 1993
David No. 3 CG	L7646	16.68	July 1, 1993
David No. 4 CG	L7647	20.90	July 1, 1993
		292.21	

3.0 LOCAL GEOLOGY

The Bristol Gold property is predominantly underlain by Early Permian Bridge River (Fergusson) Group rocks. They consist of massive to pillowed basalt, basaltic tuff, laminated to thin bedded chert, cherty argillite and argillite, and minor limestone. The stratigraphy generally strikes north-northeast and dips steeply west, although some large scale folding along northwest trending axis is also evident. In the vicinity of the Bristol workings the sequence is intruded by a Cretaceous age (?) 1.0 km long granodiorite pluton centred 450 m east of Tommy Creek, a 1.0 km diameter Late Cretaceous age porphyritic granite pluton centred 1,000 m west of Tommy Creek, and a minor amount of felsic, mafic and ultramafic dykes.

Gold mineralization occurring in the vicinity of the Bristol workings is hosted by 5 shear zones (East, H/W, Main, F/W and Tommy Creek), which are variably altered to quartz-carbonate-clay-pyrite-pyrrhotite-limonite. The shear zones have relatively good strike and down-dip continuity, trend 032° to 037° (parallel to Tommy Creek) and dip steeply to the east. The shears usually carry low to moderate grade gold values and, in addition, sometimes carry high grade gold in steeply plunging structurally prepared dilational zones.

4.0 SOIL GEOCHEMISTRY

4.1 Work Performed

A total of 130 B-horizon soil samples were taken every 25 m along grid lines spaced 50 m apart, at a depth of 10 to 30 cm. These lines were western extensions of the 1988 geochemical grid. The area sampled averaged 400 m wide by 800 m long. The 1991 sampling is summarized in Table 1.

The area covered was very steep with an average gradient of approximately 40° and areas up to 55°. The slope is cut by several avalanche chutes. The work area was restricted by the presence of impassable cliffs.

The soil samples were analyzed by Chemex Labs of North Vancouver for Au (by Fire Assay--atomic absorption finish of a 30 g sample), and a suite of 10 elements (As, Ag, Co, Cu, Fe, Mn, Mo, Ni, Pb, Zn) which were analyzed by ICP (HNO_3--aqua regia digestion).

4.2 Results

The analytical results are tabled in Appendix A. The results for Au and Ag are presented in Figure 3. The anomalous threshold for Au was redefined as 50 ppb (up from 25 ppb in 1988) due to the higher background values.

Several highly anomalous zones were defined with the highest value returned being 13,500 ppb.

TABLE 1

1991 GRID EXTENSION

L1500N	1800-1875E
L1550N	1800-1875E
L1650N	1800-1700E
L1700N	1800-1700E
L1750N	1800-1525E
L1800N	1800-1725E
L1900N	1850-1625E

TABLE 1 1991 GRID EXTENSION	
L1950N	1800-1375E
L2000N	1700-1425E
L2050N	1800-1100E
L2100N	1700-1000E
L2150N	1700-1025E
L2200N	1700-1000E
L2250N	1700-1000E

4.2.1 Lines 2000-2200N, 1900-2000E

This broad anomaly was defined during the 1988 season and contains several Au values in excess of 400 ppb with the highest being 580 ppb.

This anomaly is located on transported slide debris which originated from higher elevations.

4.2.2 Lines 1950-2250N, 1400-1500E

This sublinear anomaly can be traced from 1950N to 2250N and is open at both ends. This anomaly varies in width from approximately 50 to 100 m and contains several Au values in excess of 400 ppb, including one exceptional value of 13,500 ppb.

Mapping across the northern end of this anomaly (along Lines 2100N and 2200N) revealed Fe-carbonate altered basalt flows, tuffs and argillite, and a steeply dipping shear zone. Two rock chip samples from this area (148062G and 148054G) returned Au values of 420 ppb and 1,330 ppb respectively.

This anomaly is interpreted to overlie a relatively narrow (of the order of 5 to 10 m in width), steeply dipping, northeast trending shear zone as described above. The apparent offset of this anomaly at 2050N may indicate the presence of a crosscutting fault as a number of other geochemical trends appear to terminate along this structure.

4.2.3 Lines 2050-2200N, 1175-1350E

This broad anomaly averages 200 m in width and is open to the south. It contains several Au values in excess of 400 ppb with the highest value being 765 ppb. The distinct linear trend common to the previous two anomalies is not evident.

Mapping across the anomaly reveals widespread Fe-carbonate altered sediments. To the south a shear zone of variable width is exposed at the head of an avalanche chute. The shear zone is hosted by moderately Fe-carbonate altered argillaceous sediments. It is gossanous with patchy silicification and vein quartz. A patch of realgar was identified. The structure appears to strike 220° with a dip of 29°N.

Rock chip samples from this shear zone returned values up to 3,650 ppb Au (148076G) and 2.5 ppm Ag (148071G). A sample traverse across the shear zone returned roughly 8.0 m at 1,690 ppb Au. Rock chip samples from the Fe-carbonate altered sediments on lines 2100N and 2200N returned only weak Au values up to 25 ppm (148057G).

This anomaly appears to have resulted from a relatively narrow, mineralized shear zone and a generally moderately anomalous Fe rich alteration halo. The flat lying orientation may be responsible in part for the broad appearance of the anomaly; however, the alteration halo appears more widespread than that associated with the steeply dipping shear zones.

Additional numerous spotty values are evident from the contours. These may have resulted from a combination of the downslope movement of anomalous material, together with leakage of Au from small fractures.

5.0 GEOLOGICAL MAPPING

5.1 Work Performed

Geological mapping and rock chip sampling was undertaken along selected grid lines. Twenty-five rock chip samples were collected and analyzed by Chemex Labs of North Vancouver for Au (by Fire Assay--atomic absorption finish of a 30 g sample), and a suite of 10 elements (As, Ag, Co, Cu, Fe, Mn, Mo, Ni, Pb, Zn) were analyzed by ICP (HNO_3--aqua regia digestion). The analytical results are tabled in Appendix A (148051G-148082G).

5.2 Results

The location of the rock chip samples, the Au and Ag values, and the outcrop geology is presented in Figure 4.

The area covered during the 1991 program is underlain principally by carbonaceous and siliceous sediments, with subordinate basalt flows and tuffs, and minor limestone. One small outcrop of biotite hornblende granite was noted at 2225N/1600E. Zones of shearing and Fe-carbonate alteration were mapped and correlated with the soil geochemistry (see Section 3.0, Soil Geochemistry).

The highest Au values from the rock chip sampling were returned from samples across the shear zones. Eight samples returned values which exceeded 1,000 ppb Au, including 3 in excess of 3,000 ppb. The highest sample returned was 3,650 ppb. These samples generally also returned As values greater than 10,000 ppm. The Ag values were very weak with only 7 samples containing Ag in excess of the detection limit of 0.5 ppm, with the highest value returned being 2.5 ppm.

Three Au anomalous or mineralized shear zones are recognized to underlie the area covered by the 1991 field program. The lower most 2 shears appear subparallel to the Bristol shear zones (strike 030°, dip 65° to 80° to E). These cross the grid at approximately 1700E and 1600E. The total width of these shear zones, based upon observations and drilling adjacent to the Bristol underground workings, is not likely to exceed 10 m.

The uppermost shear zone which is well exposed around 2000N/1275E possesses a strike of 200° and appears to dip approximately 30°N. This shear zone ranges between 3 to 8 m in width where exposed, and appears to have a much broader anomalous alteration halo than the steeper dipping shear zones. Sampling of this halo returned Au values in rock which can be described as only weakly anomalous.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Moderate to highly anomalous soil geochemical response appears to be associated with three relatively narrow zones of shearing with broader, weakly to moderately anomalous alteration halos. The widths of the shear zones would be unlikely to exceed 10 m. The potential for lower grade mineralization exists in the alteration halo enveloping the shear zones.

A program of backhoe trenching and/or blasting would be required to further evaluate the anomalies described in this report. A program of blasting and hand mucking would require helicopter support. It was found that up to one hour of difficult climbing was required to cover 250 m along a grid line even with a light pack.

The steepness of the area makes access to the anomalies very difficult. The average gradient of the terrain is approximately 40°. The basalt outcrops would require blasting. Road access to the anomalies would be costly. If further work is considered it is strongly recommended that a thorough site investigation be made with the prospective road building contractor.

7.0 EXPENDITURES

Personnel	
Mapping R. Millar, 4 days at $250 per day	$1,000.00
Soil sampling V. Malo, 6 days at $100 per day B. Robinson, 4 days at $100 per day	600.00 400.00
Travel R. Millar, 1 day at $250 per day V. Malo, 1 day at $100 per day B. Robinson, 1 day at $100 per day	250.00 100.00 100.00
Report preparation R. Millar, 4 days at $250 per day R. Lane, 1 day at $300 per day	1,000.00 300.00
Field Costs	
Soil samples 130 at $14.42 per sample	1,874.60
Rock samples 25 at $14.42 per sample	360.50
Helicopter	949.00
Camp, materials, vehicle	1,012.50
Drafting	262.50
Total (rounded)	**$8,209.00**

8.0 STATEMENT OF QUALIFICATIONS

I, Robert Millar, of the City of Vancouver, in the Province of British Columbia, hereby certify that:

1. I am a geologist residing at #104 - 3533 West 4th Avenue, Vancouver, British Columbia with a business address at Suite 904, 1055 Dunsmuir Street, P.O. Box 49066, The Bentall Centre, Vancouver, British Columbia, V7X 1C4.

2. I graduated with a B.Sc. (Honours) in Geology from the University of Queensland, Brisbane, Australia in 1984 and with a M.A. Sc. in Civil Engineering from the University of British Columbia, Vancouver, B.C. in 1991.

3. I have practised geology for approximately 6 years in Canada and Australia.

DATED this 23rd day of October 1992 at Vancouver, British Columbia.

Robert Millar, M.A. Sc.

APPENDIX A

SOIL GEOCHEMISTRY

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN MINES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

A9122280

Comments: ATTN: RON LANE CC: ROB MILLAR

CERTIFICATE A9122280

WESTMIN MINES LTD.

Project: BRISTOL GOLD
P.O. # : 6105

Samples submitted to our lab in Vancouver, BC.
This report was printed on 1-OCT-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	199	Dry, sieve to -80 mesh
203	2	Dry, sieve to -35 mesh
205	2	Geochem ring to approx 150 mesh
238	201	NITRIC-AQUA REGIA DIGESTION

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	201	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
396	1	Au oz/T: 1/2 assay ton	FA-GRAVIMETRIC	0.003	20.000
13	201	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
1005	201	Ag ppm: 9 element,soil and rock	ICP-AES	0.5	200
1929	201	Co ppm: 9 element, soil & rock	ICP-AES	1	10000
1931	201	Cu ppm: 9 element, soil & rock	ICP-AES	1	10000
1932	201	Fe %: 9 element, soil & rock	ICP-AES	0.01	15.00
1937	201	Mn ppm: 9 element, soil & rock	ICP-AES	5	10000
1938	201	Mo ppm: 9 element, soil & rock	ICP-AES	1	10000
1940	201	Ni ppm: 9 element, soil & rock	ICP-AES	1	10000
1004	201	Pb ppm: 9 element,soil and rock	ICP-AES	5	10000
1950	201	Zn ppm: 9 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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VANCOUVER, BC
V7X 1C4

Project : BRISTOL GOLD
Comments: ATTN: RON LANE CC: ROB MILLAR

Certificate Date: 01-OCT-91
Invoice No. : I9122280
P.O. Number : 6105

CERTIFICATE OF ANALYSIS A9122280

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA oz/T	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm		
L1750N 1525E	201	238	15	-----	280	< 0.5	78	163	9.05	2160	10	170	8	464		
L1750N 1550E	201	238	105	-----	830	< 0.5	79	171	8.19	2250	4	189	16	338		
L1950N 1375E	201	238	240	-----	1680	< 0.5	71	179	6.33	2610	2	274	12	210		
L1950N 1400E	201	238	200	-----	2120	< 0.5	50	137	6.60	1835	4	208	26	232		
L1950N 1425E	201	238	185	-----	2200	< 0.5	71	176	8.91	3080	7	136	26	376		
L1950N 1450E	201	238	250	-----	1380	< 0.5	64	167	7.53	3270	5	171	24	390		
L1950N 1475E	201	238	40	-----	340	< 0.5	58	102	9.03	1020	< 1	169	10	174		
L1950N 1500E	201	238	60	-----	500	< 0.5	50	154	6.93	1370	< 1	155	40	252		
L1950N 1525E	201	238	110	-----	2000	< 0.5	39	126	6.87	1650	1	118	18	176		

CERTIFICATION: B. Caufield

Chemex Labs Ltd.

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To: WESTMIN MINES LTD.

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L2000N 1425E	201	238	210	-----	1800	< 0.5	53	155	6.90	2190	3	145	18	294		
L2000N 1450E	201	238	150	-----	1230	< 0.5	71	218	8.25	1945	< 1	219	16	186		
L2000N 1475E	201	238	105	-----	950	< 0.5	60	139	8.10	4390	< 1	196	44	348		
L2000N 1500E	201	238	125	-----	1270	< 0.5	49	111	8.63	1845	1	136	16	230		
L2000N 1525E	201	238	160	-----	1300	< 0.5	46	116	7.34	2140	< 1	152	12	198		
L2050N 1100E	201	238	30	-----	460	< 0.5	40	58	4.49	405	< 1	222	8	134		
L2050N 1125E	201	238	35	-----	550	< 0.5	35	48	3.87	570	1	145	8	118		
L2050N 1150E	201	238	85	-----	870	< 0.5	59	112	6.53	700	2	308	12	198		
L2050N 1175E	201	238	70	-----	860	< 0.5	33	51	4.85	615	3	126	14	154		
L2050N 1200E	201	238	105	-----	1020	< 0.5	38	65	4.83	1330	2	147	10	180		
L2050N 1225E	201	238	100	-----	1230	< 0.5	42	86	5.46	1260	3	152	14	246		
L2050N 1250E	201	238	155	-----	1130	< 0.5	30	69	4.66	710	2	115	12	208		
L2050N 1275E	201	238	160	-----	1420	< 0.5	42	93	5.80	1110	3	166	14	234		
L2050N 1300E	201	238	175	-----	1370	< 0.5	31	69	4.73	1390	2	129	14	198		
L2050N 1325E	201	238	190	-----	1570	< 0.5	36	84	5.48	1815	3	148	16	216		
L2050N 1350E	201	238	75	-----	840	< 0.5	34	94	5.07	755	2	152	14	178		
L2050N 1375E	201	238	60	-----	550	< 0.5	25	58	3.55	845	< 1	103	10	140		
L2050N 1400E	201	238	60	-----	810	< 0.5	37	84	5.03	1495	1	136	14	172		
L2050N 1425E	201	238	55	-----	690	< 0.5	39	89	5.18	1455	3	147	14	170		
L2050N 1450E	201	238	40	-----	590	< 0.5	41	101	5.66	1355	1	165	10	160		
L2050N 1475E	201	238	80	-----	470	< 0.5	58	296	8.11	1195	< 1	149	6	206		
L2050N 1500E	201	238	95	-----	580	< 0.5	39	113	6.22	1030	1	123	10	164		
L2050N 1525E	201	238	360	-----	1270	< 0.5	30	101	6.95	945	1	123	10	164		

CERTIFICATION: B. Caufield

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: WESTMIN MINES LTD.

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Project : BRISTOL GOLD
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SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA oz/T	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm		
L2100N 1000E	201	238	60	-----	180	< 0.5	14	26	3.32	545	2	57	6	86		
L2100N 1025E	201	238	30	-----	284	< 0.5	19	38	4.10	780	2	108	8	88		
L2100N 1050E	201	238	25	-----	366	< 0.5	35	80	6.50	355	1	200	8	166		
L2100N 1075E	201	238	25	-----	520	< 0.5	28	51	5.64	420	< 1	165	6	164		
L2100N 1100E	201	238	40	-----	440	< 0.5	25	40	4.56	380	2	118	10	118		
L2100N 1125E	201	238	45	-----	660	< 0.5	46	91	5.96	750	1	180	6	184		
L2100N 1150E	201	238	65	-----	690	< 0.5	38	89	5.24	785	2	167	8	198		
L2100N 1175E	201	238	195	-----	1280	< 0.5	50	157	6.74	960	4	179	16	290		
L2100N 1200E	201	238	270	-----	1670	< 0.5	42	131	6.17	1520	4	148	12	258		
L2100N 1225E	201	238	160	-----	1460	< 0.5	42	101	6.21	1650	4	151	14	248		
L2100N 1250E	201	238	105	-----	1220	< 0.5	37	108	6.15	1785	2	283	12	214		
L2100N 1275E	201	238	760	-----	3550	< 0.5	28	112	6.70	1100	5	148	20	230		
L2100N 1300E	201	238	765	-----	2760	< 0.5	31	115	6.54	1455	4	167	16	236		
L2100N 1325E	201	238	435	-----	1920	< 0.5	34	125	6.32	1855	5	199	16	208		
L2100N 1350E	201	238	170	-----	1290	< 0.5	36	93	5.64	1155	3	157	14	230		
L2100N 1375E	201	238	135	-----	1170	< 0.5	36	124	6.11	1135	3	138	14	192		
L2100N 1400E	201	238	45	-----	790	< 0.5	33	100	5.64	680	1	142	12	174		
L2100N 1425E	201	238	40	-----	450	< 0.5	31	116	5.34	515	< 1	163	6	134		
L2100N 1450E	201	238	325	-----	940	< 0.5	49	166	8.05	1335	< 1	189	6	162		
L2100N 1475E	201	238	820	-----	2840	< 0.5	31	107	7.65	1715	7	109	16	246		
L2100N 1500E	201	238	395	-----	1100	< 0.5	37	95	6.93	1390	1	126	12	174		
L2150N 1000E	201	238	20	-----	280	< 0.5	15	49	4.30	300	3	81	6	132		
L2150N 1025E	201	238	20	-----	250	< 0.5	8	31	3.69	210	4	48	10	80		
L2150N 1050E	201	238	25	-----	460	< 0.5	26	54	5.88	525	4	138	12	212		

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221

To: WESTMIN MINES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BRISTOL GOLD
Comments: ATTN: RON LANE CC: ROB MILLAR

Certificate Date: 01-OCT-91
Invoice No. :19122280
P.O. Number :6105

CERTIFICATE OF ANALYSIS A9122280

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA oz/T	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm		
L2150N 1075E	201	238	55	-----	440	< 0.5	16	27	3.56	405	2	58	8	94		
L2150N 1100E	201	238	65	-----	870	< 0.5	38	83	5.70	1530	4	129	16	252		
L2150N 1125E	201	238	75	-----	830	< 0.5	27	56	4.87	1255	4	97	16	186		
L2150N 1150E	201	238	110	-----	840	< 0.5	34	65	4.42	2560	4	98	14	192		
L2150N 1175E	201	238	125	-----	900	< 0.5	32	61	4.91	3070	2	121	12	252		
L2150N 1200E	201	238	195	-----	1550	< 0.5	37	107	6.89	1535	5	272	16	238		
L2150N 1225E	201	238	555	-----	4150	< 0.5	35	175	7.51	1860	7	266	14	266		
L2150N 1250E	201	238	160	-----	1360	< 0.5	40	115	6.02	2190	6	212	16	224		
L2150N 1275E	201	238	85	-----	1600	< 0.5	52	195	7.50	2390	14	123	28	318		
L2150N 1300E	201	238	645	-----	3850	< 0.5	38	175	6.92	2910	8	105	34	248		
L2150N 1325E	201	238	360	-----	1930	< 0.5	33	133	6.24	1855	6	115	24	232		
L2150N 1350E	201	238	185	-----	1450	< 0.5	34	148	5.72	1280	4	123	12	196		
L2150N 1375E	201	238	165	-----	1180	< 0.5	35	144	7.08	1215	4	127	14	346		
L2150N 1400E	201	238	85	-----	650	< 0.5	31	103	6.26	885	3	120	8	206		
L2150N 1425E	201	238	30	-----	570	< 0.5	37	107	6.67	1505	1	106	8	200		
L2150N 1450E	201	238	>10000	0.450	8100	< 0.5	30	187	9.35	1840	2	102	8	186		
L2150N 1475E	201	238	60	-----	1070	< 0.5	46	154	9.95	2430	< 1	65	10	158		
L2150N 1500E	201	238	55	-----	451	< 0.5	34	150	6.30	1540	1	116	12	164		
L2200N 1000E	201	238	20	-----	160	< 0.5	11	22	2.72	270	1	53	8	64		
L2200N 1025E	201	238	10	-----	180	< 0.5	13	29	3.55	325	1	65	10	104		
L2200N 1050E	201	238	20	-----	280	< 0.5	35	77	5.64	480	1	208	8	170		
L2200N 1075E	201	238	15	-----	150	< 0.5	16	23	3.04	495	1	44	8	78		
L2200N 1100E	201	238	20	-----	410	< 0.5	12	30	4.85	325	3	58	10	102		
L2200N 1125E	201	238	30	-----	480	< 0.5	22	45	4.67	1200	3	69	14	144		
L2200N 1150E	201	238	45	-----	530	< 0.5	18	73	4.65	400	3	75	18	156		
L2200N 1175E	201	238	40	-----	630	< 0.5	28	58	4.35	975	3	104	14	182		
L2200N 1200E	201	238	50	-----	660	< 0.5	30	49	4.14	1335	2	97	8	206		
L2200N 1225E	201	238	75	-----	1000	< 0.5	33	89	5.45	850	3	155	14	204		
L2200N 1250E	201	238	90	-----	1130	< 0.5	23	199	5.64	2190	18	168	20	226		
L2200N 1275E	201	238	150	-----	1750	< 0.5	30	111	5.56	950	7	140	18	226		
L2200N 1300E	201	238	100	-----	1000	< 0.5	28	72	4.54	1445	3	105	12	178		
L2200N 1325E	201	238	80	-----	970	< 0.5	32	81	4.90	1290	3	111	18	216		
L2200N 1350E	201	238	55	-----	540	< 0.5	35	190	6.96	980	6	117	24	238		

CERTIFICATION: B. Cargill

Chemex Labs Ltd.

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PHONE: 604-984-0221

To: WESTMIN MINES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BRISTOL GOLD
Comments: ATTN: RON LANE CC: ROB MILLAR

Certificate Date: 01-OCT-91
Invoice No. :I9122280
P.O. Number :6105

CERTIFICATE OF ANALYSIS A9122280

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA oz/T	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm		
L2200N 1375E	201	238	110	-----	1000	< 0.5	34	138	6.47	955	3	98	26	330		
L2200N 1400E	201	238	45	-----	610	< 0.5	34	95	5.47	1155	< 1	123	8	170		
L2200N 1425E	201	238	10	-----	240	< 0.5	39	140	5.61	1020	< 1	160	10	120		
L2200N 1450E	201	238	105	-----	630	< 0.5	41	123	6.43	1105	1	153	12	184		
L2200N 1475E	201	238	290	-----	2450	< 0.5	41	145	7.30	1370	3	129	12	210		
L2200N 1500E	201	238	10	-----	490	< 0.5	44	161	7.67	2570	< 1	69	2	136		
L2200N 1525E	201	238	40	-----	760	< 0.5	75	189	8.09	1745	< 1	146	6	160		
L2200N 1550E	201	238	145	-----	640	< 0.5	37	119	5.95	1400	5	105	10	182		
L2200N 1575E	201	238	455	-----	2180	< 0.5	38	123	6.37	2020	10	97	14	274		
L2200N 1600E	201	238	175	-----	780	< 0.5	32	115	6.53	1410	3	85	8	214		
L2200N 1625E	201	238	200	-----	610	< 0.5	44	164	7.48	940	< 1	178	8	146		
L2200N 1650E	201	238	40	-----	340	< 0.5	41	136	7.98	1450	< 1	104	8	156		
L2200N 1675E	201	238	515	-----	1500	< 0.5	44	97	7.91	1270	< 1	164	10	140		
L2250N 1000E	201	238	20	-----	166	< 0.5	14	23	3.48	565	2	51	8	78		
L2250N 1025E	201	238	10	-----	168	< 0.5	7	17	2.93	205	2	30	10	62		
L2250N 1050E	201	238	15	-----	172	< 0.5	11	23	2.60	285	1	40	8	64		
L2250N 1075E	201	238	35	-----	770	< 0.5	13	45	5.06	415	5	49	20	114		
L2250N 1100E	201	238	15	-----	200	< 0.5	11	11	1.98	325	1	13	4	54		
L2250N 1125E	201	238	90	-----	800	< 0.5	17	55	3.99	345	5	69	18	176		
L2250N 1150E	201	238	40	-----	700	< 0.5	32	77	6.21	650	5	150	18	258		
L2250N 1175E	201	238	35	-----	550	< 0.5	30	73	4.59	1520	2	154	10	198		
L2250N 1200E	201	238	105	-----	1550	< 0.5	30	85	5.28	635	3	142	14	196		
L2250N 1225E	201	238	50	-----	770	< 0.5	30	52	4.27	2470	2	109	8	198		
L2250N 1250E	201	238	175	-----	1150	< 0.5	29	82	4.29	1665	3	106	12	170		
L2250N 1275E	201	238	50	-----	770	< 0.5	31	79	4.52	620	1	124	8	232		
L2250N 1300E	201	238	85	-----	780	< 0.5	33	92	4.80	1055	1	122	8	178		
L2250N 1325E	201	238	35	-----	610	< 0.5	24	64	4.14	815	2	73	20	202		
L2250N 1350E	201	238	10	-----	326	< 0.5	36	80	6.60	960	< 1	153	4	122		
L2250N 1375E	201	238	80	-----	930	< 0.5	34	137	6.64	690	3	131	14	222		
L2250N 1400E	201	238	15	-----	190	< 0.5	38	255	9.08	845	< 1	69	8	126		
L2250N 1425E	201	238	680	-----	2070	< 0.5	28	111	6.29	1420	< 1	94	12	170		
L2250N 1450E	201	238	195	-----	1260	< 0.5	35	105	5.89	1565	2	111	16	178		
L2250N 1475E	201	238	95	-----	720	< 0.5	25	80	4.70	1010	1	87	6	164		
L2250N 1500E	201	238	20	-----	250	< 0.5	24	67	3.82	770	< 1	72	4	134		
L2250N 1525E	201	238	40	-----	290	< 0.5	27	81	5.20	1465	3	79	12	262		
L2250N 1550E	201	238	15	-----	236	< 0.5	28	64	4.30	1285	1	82	10	232		
L2250N 1575E	201	238	25	-----	310	< 0.5	32	76	5.61	1350	1	95	12	156		
L2250N 1600E	201	238	10	-----	126	< 0.5	18	28	2.83	590	< 1	60	6	112		
L2250N 1625E	201	238	35	-----	284	< 0.5	34	64	5.58	885	1	160	14	138		
L2250N 1650E	201	238	50	-----	300	< 0.5	32	80	5.75	745	< 1	120	6	136		

CERTIFICATION: B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: WESTMIN MINES LTD.

P.O. Box 49066, The Bentall Centre
VANCOUVER, BC
V7X 1C4

Project : BRISTOL GOLD
Comments: ATTN: RON LANE CC: ROB MILLAR

Certificate Date: 01-OCT-91
Invoice No. : I9122280
P.O. Number : 6105

CERTIFICATE OF ANALYSIS A9122280

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA oz/T	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm		
L2250N 1675E	201	238	45	-----	370	< 0.5	33	91	6.08	915	< 1	118	8	142		

CERTIFICATION: B. Caughlin

APPENDIX B

ROCK GEOCHEMISTRY

Chemex Labs Ltd.

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V7X 1C4

A9122279

Comments: ATTN: RON LANE CC: ROB MILLAR

CERTIFICATE A9122279

WESTMIN MINES LTD.

Project: BRISTOL GOLD
P.O. # : 6105

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-SEP-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	29	Geochem ring to approx 150 mesh
294	29	Crush and split (0-10 pounds)
238	29	NITRIC-AQUA REGIA DIGESTION

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	29	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
13	29	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
1005	29	Ag ppm: 9 element,soil and rock	ICP-AES	0.5	200
1929	29	Co ppm: 9 element, soil & rock	ICP-AES	1	10000
1931	29	Cu ppm: 9 element, soil & rock	ICP-AES	1	10000
1932	29	Fe %: 9 element, soil & rock	ICP-AES	0.01	15.00
1937	29	Mn ppm: 9 element, soil & rock	ICP-AES	5	10000
1938	29	Mo ppm: 9 element, soil & rock	ICP-AES	1	10000
1940	29	Ni ppm: 9 element, soil & rock	ICP-AES	1	10000
1004	29	Pb ppm: 9 element,soil and rock	ICP-AES	5	10000
1950	29	Zn ppm: 9 element, soil & rock	ICP-AES	2	10000

Chemex Labs Ltd.

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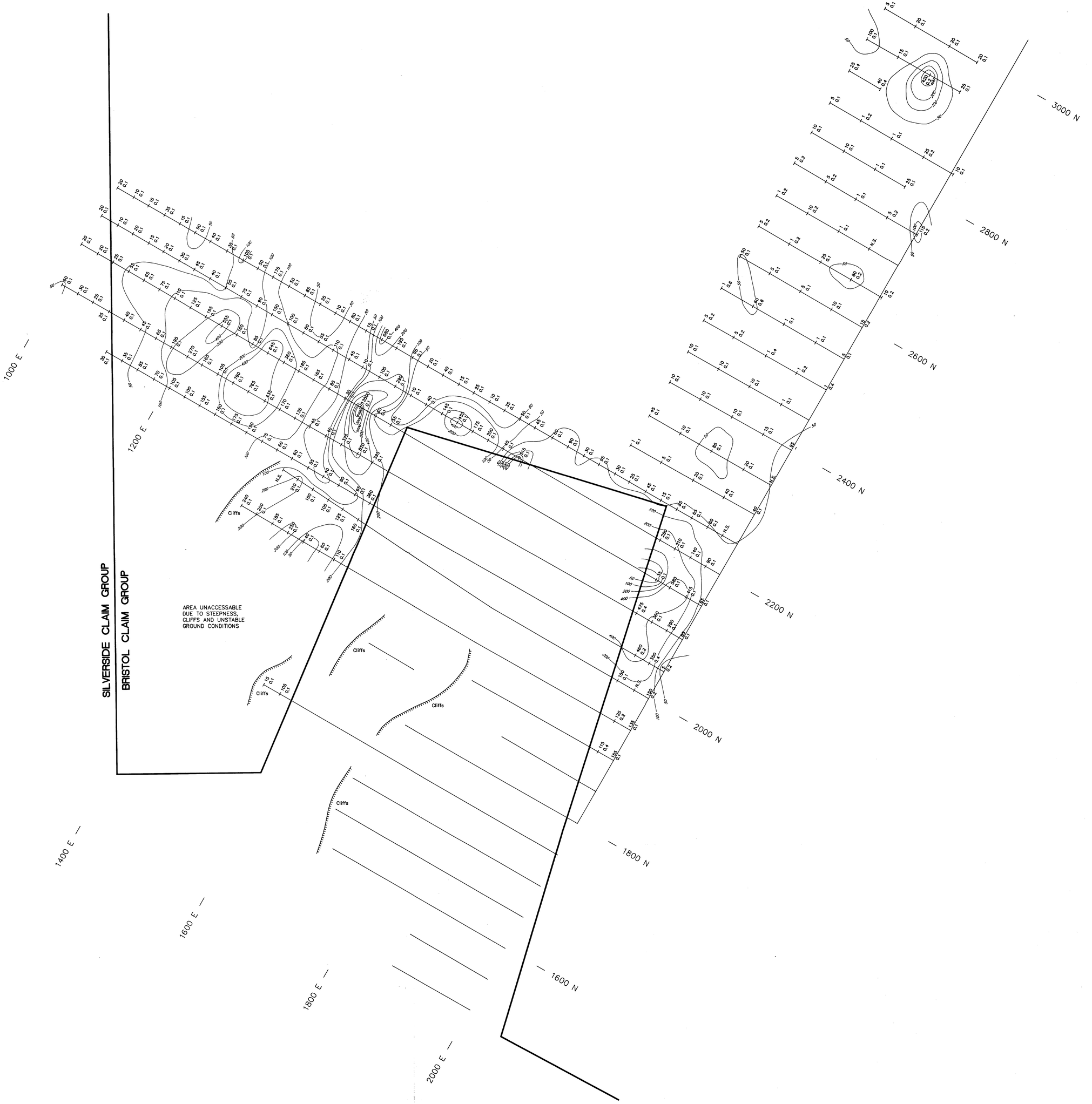
Project : BRISTOL GOLD
Comments: ATTN: RON LANE CC: ROB MILLAR

Page Number :1
Total Pages :1
Certificate Date: 30-SEP-91
Invoice No. :I9122279
P.O. Number :6105

CERTIFICATE OF ANALYSIS A9122279

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
148051G	205	294	< 5	50	< 0.5	5	19	1.37	385	< 1	10	< 2	36
148052G	205	294	< 5	1890	< 0.5	21	27	5.96	1370	< 1	136	2	56
148053G	205	294	25	312	< 0.5	33	100	7.32	745	< 1	55	14	114
148054G	205	294	1330	4400	< 0.5	12	33	3.00	1320	< 1	63	< 2	52
148055G	205	294	15	176	< 0.5	3	11	1.12	695	1	12	4	22
148056G	205	294	< 5	58	< 0.5	9	38	3.39	430	1	50	6	80
148057G	205	294	25	166	< 0.5	13	72	4.59	500	< 1	14	10	116
148062G	205	294	420	7000	< 0.5	27	14	8.31	860	< 1	34	4	198
148063G	205	294	< 5	62	< 0.5	26	63	7.04	1325	< 1	56	4	88
148064G	205	294	< 5	104	< 0.5	10	32	3.87	1115	5	21	8	98
148065G	205	294	< 5	176	< 0.5	10	13	3.85	735	< 1	27	6	106
148066G	205	294	< 5	30	< 0.5	8	28	3.31	545	1	14	6	82
148067G	205	294	< 5	36	< 0.5	7	35	1.61	430	< 1	12	2	32
148068G	205	294	150	2600	< 0.5	20	30	4.08	1200	1	289	2	82
148069G	205	294	765	>10000	< 0.5	29	211	9.36	630	5	261	20	2960
148070G	205	294	1430	>10000	< 0.5	19	200	8.33	335	5	120	26	1230
148071G	205	294	3310	3800	2.5	1	17	1.45	20	7	4	8	54
148072G	205	294	110	>10000	< 0.5	1	14	3.07	60	11	3	8	20
148073G	205	294	300	>10000	0.5	1	24	1.89	40	5	4	6	22
148074G	205	294	3120	>10000	0.5	1	14	1.48	30	5	2	6	8
148075G	205	294	270	9400	< 0.5	8	54	2.36	230	1	21	6	48
148076G	205	294	3650	>10000	2.0	18	73	4.04	665	2	14	10	84
148077G	205	294	1730	8000	0.5	4	64	2.16	195	1	11	6	46
148078G	205	294	1010	>10000	0.5	5	97	2.33	410	1	10	8	56
148082G	205	294	1530	>10000	0.5	3	81	6.17	90	3	19	44	472

CERTIFICATION: B. Caron



TRUE NORTH

Au CONTOURS

- 50–99 ppb
- 100–199 ppb
- 200–399 ppb
- 400–799 ppb
- 800–1699 ppb
- 1700–3199 ppb
- 3200–6399 ppb
- >6400 ppb

100 Au (ppb)
0.2 Ag (ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,573

Westmin Resources Limited

Work By	R. Millar
Date Drafted	Nov. 1991
Drafted By	R.A. Ivany
Date Revised	
Revised By	
N.T.S. Number	92 J/15
File Name	BRISTOL

BRISTOL GOLD PROJECT

Au/Ag Soil Geochemistry

40 0 40 80 120m
SCALE 1 : 2,000

Figure 3

TRUE NORTH

LEGEND

ROCK TYPES

Sedmentary

Scb	carbonate (type undefined)
Sl	limestone
Sct	chert
Smd	argillite
Sw	wacke

Volcanic/Pyroclastic

B	basalt
Btf	basaltic tuff

Intrusive

Gt	granite (silverside porphyritic granite)

STRUCTURE/ALTERATION

A	alteration (style & intensity defined by descriptors)
Vn	veining (mineralogy defined by descriptors)

DESCRIPTORS

ab	abundant
m	moderate
s	strong
w	weak
vs	very strong
i.b.	interbedded
mg	medium grained
am	amygdaloidal
bi	biotite
c	chlorite
cb	carbonate (type undefined)
cc	carbonaceous (graphitic where sheared)
goss	gossanous
hb	hornblende
po	pyrrhotite
py	pyrite
q	quartz
sil	siliceous
o/c	outcrop

SYMBOLS

- Outcrop
- Geological Contact
- Fault (with strike & dip)
- × 148066G 1 0.1 — Rock Chip Sample (Au ppb, Ag ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,573

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File Name	BRISTOL

BRISTOL GOLD PROJECT

Geology

40 0 40 80 120m
SCALE 1 : 2,000

Figure 4