#### ASSESSMENT REPORT ON THE

LILY MAY CLAIM GROUP

ROSSLAND, BRITISH COLUMBIA

Diamond Drill Holes 95-2 & 95-4 on the Copper Queen (L. 1210) claim

Trail Creek Mining Division NTS: 82 F/4 W Longitude: 117<sup>o</sup> 49' 50" Latitude: 49<sup>o</sup> 03' 40"

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Owners:

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VOG 1YO

FILMED

Operator:

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Dan M. Wender Georgies MENT REPORT

Apr. 21, 1995

23,879

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#### INTRODUCTION

The diamond drilling described in this report is being presented as assessment work for the Bender 10 (ten. # 257690), Bender 11 (257691), Bender 12 (257692), Antelope #1 Fr. (257646), Antelope #2 Fr. (257647), Antelope #3 Fr. (257648), Antelope #4 Fr. (257649), Antelope #16 Fr. (257686), Antelope #18 Fr. (257688), Jero 5 (257558), Jero 8 (257586), Wild Rose 1 (326598), Jack 1 (326597), Eden Fr. (326766), and Sage Fr. (326767) of the Lily May claim group. Holes 95-2 & 95-4 were drilled from Jan. 21st to Jan. 25th on the Copper Queen claim (L.1210) of this group and was followed by logging, sampling and assaying. These holes are part of an on-going exploration program whose goal is to locate and define economic concentrations of Ag-Au-Pb-Zn bearing massive sulfides along shear zones marginal to the monzonite intrusion which underlies the City of Rossland, British Columbia.

#### LOCATION AND ACCESS

The Lily May claim group is located immediately south and southwest of the city of Rossland in South-eastern British Columbia. (Figure 1). Rossland is located approximately 6 kilometers south-westerly from the city of Trail, B.C. and about 7 kilometers north of the United States border.

Geographic co-ordinates of the approximate center of the Lily May claim group are longitude 117° 49′ 50" W; latitude 49° 03′ 40" N on the NTS Map Sheet 82 F/4 W.

Rossland and vicinity is served by major provincial highways and by Castlegar airport located 26 kilometers north of Trail, B.C. Access to the property is good along many 4-wheel drive logging, power-line and hunting roads. Drill holes 95-2 & 95-4 are located near the south margin of the Rossland monzonite approximately 100' south of Kootenay Exploration Diamond Drilling's maintenance shop in the Southbelt of Rossland.

#### GENERAL GEOGRAPHIC AND PHYSIOGRAPHIC POSITION

Relief on the Lily May claim group is approximately 428 meters with moderate to locally steep slopes. An existing system of gravel and 4-wheel drive roads provides good access to much of the property and the remainder could be reached by bulldozer. The portals of the old Bluebird and Homestake workings are between 850 and 915 meters above sea level.

The region has been affected by continental glaciation. Two ice directions have been recorded with the final advance being south to southwest. The Lily May claim group is almost totally blanketed by a thin cover of glacial till on the order of 3 to 8 meters in thickness. Consequently, outcrop is limited.

The property is moderately treed with some locally dense bushy areas. Interior Douglas fir and Lodgepole pine with localized stands of cedar are predominate forest cover.

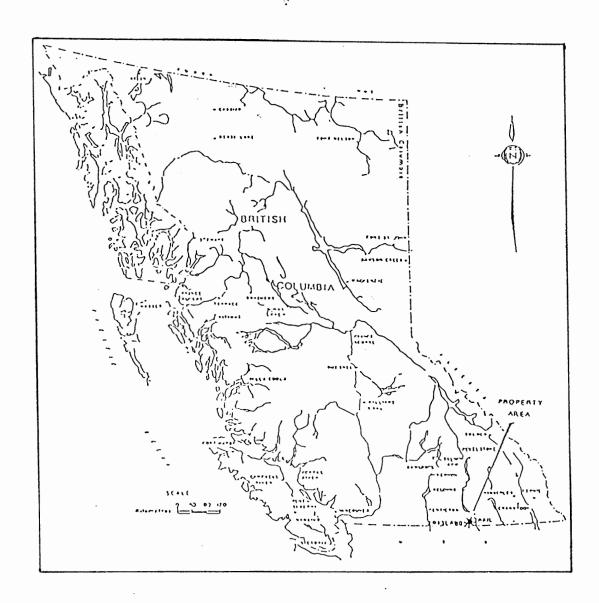


Figure . 1: General Location Plan of the Rossland Properties

Numerous stands of poplar and birch occur in the lower elevations and along drainages. As a result of virtual clear-cut logging in the early 1900's, few stands of merchantable timber occur. All surface rights within the claim group are privately owned, predominately by others.

Although snow covered for upwards of four months per year, the property is accessible year round, allowing all but surface geological mapping to be conducted.

TABLE 1 BLUEBIRD - HOMESTAKE CLAIM GROUP

Crown Granted Mineral Claims	Lot No.
Esmeralda Fr.	L. 2980
Modena	L. 1694
Rhoderick Due	L. 1493
Fairview	L. 1058
Copper Queen	L. 1210
Homestake	L. 936
Bluebird	L. 1053
Hattie Brown	L. 1047
Alcome Fr.	L. 11468
Monday	L. 995
Tuesday	L. 1278
Richmond	L. 1508
Lily May	L. 1052
Black Horse	L. 1059
Reverted Crown Granted Mineral Claim	Tenure No
Hattie	257611
Modified Grid Mineral Claim	
Jero 5	257558
Jero 8	257586
2-post Mineral Claim	
Bender 10	257690
Bender 11	257691
Bender 12	257692
Wild Rose #1	326598
Jack #1	326597
Fractional Mineral Claims	
Eden Fr.	326766
Sage Fr.	326767
Antelope #1 Fr.	257646

Antelope #2 Fr.	257647
Antelope #3 Fr.	257648
Antelope #4 Fr.	257649
Antelope #16 Fr.	257686
Antelope #18 Fr.	257688

#### PROPERTY DEFINITION AND HISTORY

The Lily May claim group consists of 30 contiguous claims located immediately south and southwest of the City of Rossland (Figure 1 and 2). Of these, 14 are Crown Granted Mineral Claims, one is a Reverted Crown Granted Mineral Claim and 8 are Fractional Mineral Claims, 2 are Modified Grid Mineral Claims and 5 are 2-post Mineral Claim (Table 1).

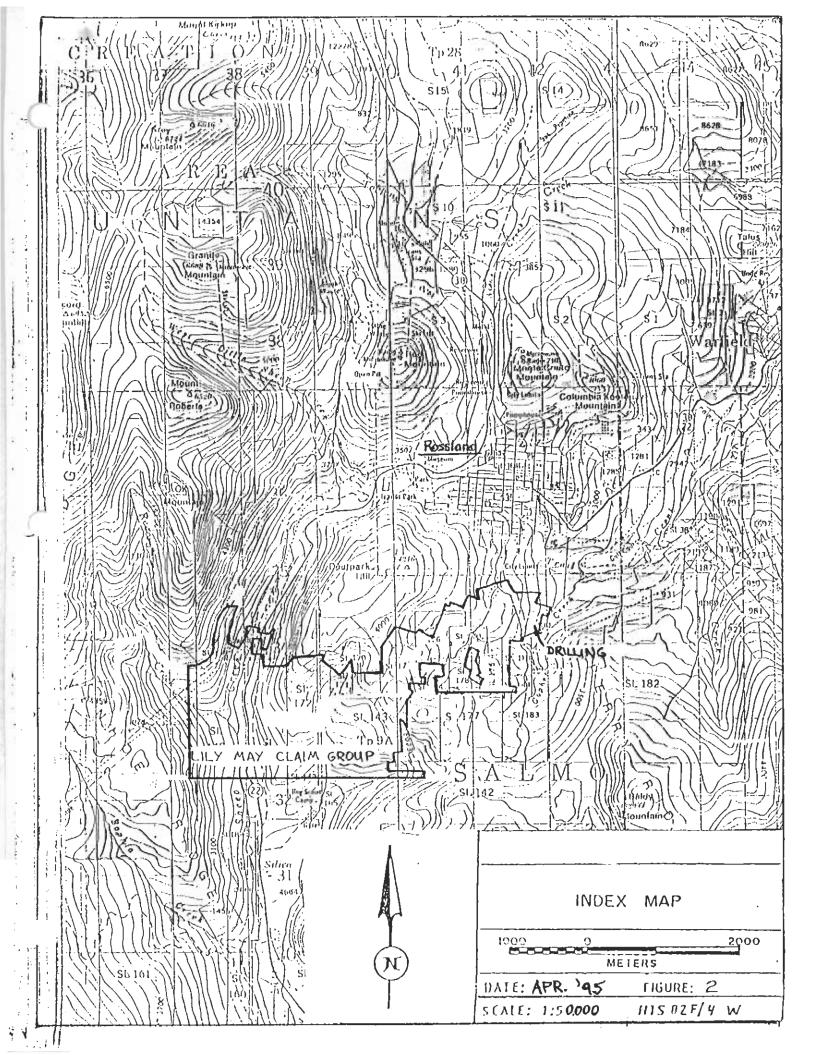
The Lily May claim was first recorded in the district after gold and silver were found there in 1887-1889. This was followed by the discovery and development of the Le Roi, Center Star, War Eagle and other famous mines in the Rossland camp some 2 kilometers to the northwest which produced over 3,000,000 ounces of gold and an equal amount of silver until their closure in 1928.

Between 1889 and 1938, the Crown Granted Mineral Claims of this group were staked by different owners and a limited amount of development and production (535 tons) were effected. In 1947, Rossland Mines Ltd. assembled a land package including this group and, until 1956, carried out exploration and underground development work leading to calculation of ore reserves, a mill feasibility study and production of 1077 tons of Pb-Zn-Ag ore from the Bluebird-Mayflower zone.

Between 1962 and 1967 ground electromagnetic, magnetometer, potentiometer land soil surveys of selected claims under various option agreements, including Noranda Inc. and Northwood Mining Ltd., were carried out. Between 1972 and 1980 part of this group was leased by Ross Island Mining Co Ltd. (previously Rossland Mines Ltd.) to Standonray Mines who produced 6450 tons of Pb-Zn-Ag ore from the Bluebird zone.

In the period from 1981 through 1986 Bryndon Ventures Inc. (previously Ross Island Mining Co. Ltd.) updated the ore reserve calculations of the Bluebird-Mayflower zone and carried out surface geophysical surveys, trenching and 631 meters of diamond drilling along the Gopher-Homestake, Bluebird-Mayflower and North shear zones.

In 1987 this group, along with other claims, was optioned by Bryndon Ventures Inc. to Antelope Resources Inc. culminating in a joint venture agreement between these two



parties with Pacific Vangold Mines Ltd. as operator to carry out exploration in the Rossland area. Additional surface geophysical surveys (VLF-EM, magnetometer, Pulse EM and IP/resistivity) were carried out followed by diamond drilling.

#### **CURRENT OWNER AND OPERATOR OF THE PROJECT**

The Lily May claim group is jointly owned by Pacific Vangold Mines Ltd., Stan Endersby and Antelope Resources Inc. under the terms of a joint venture agreement between these parties. Pacific Vangold Mines Ltd. is the operator.

#### BRIEF ECONOMIC ASSESSMENT

The 2 hole program, totalling 98 meters was targeted on an untested section of the Blue Bird/Mayflower lead-zinc-silver shear zone (Figure 3). Previously calculated reserves on this shear zone total 46,150 tons grading 0.09 oz.Au/ton, 9.37 oz.Ag/ton, 2.4% Pb and 3.95% Zn. Much additional drilling will be necessary to test for possible economic concentrations of mineral bearing sulphides within these shears. Due to the strong similarities in host rock, grade and thickness of mineralized intersections, associated alteration, sulphide assemblage and special relationship to the Rossland monzonite, there is reason to believe that ore deposits of the Le Roi type could exist within this claim group.

#### SUMMARY OF WORK DONE

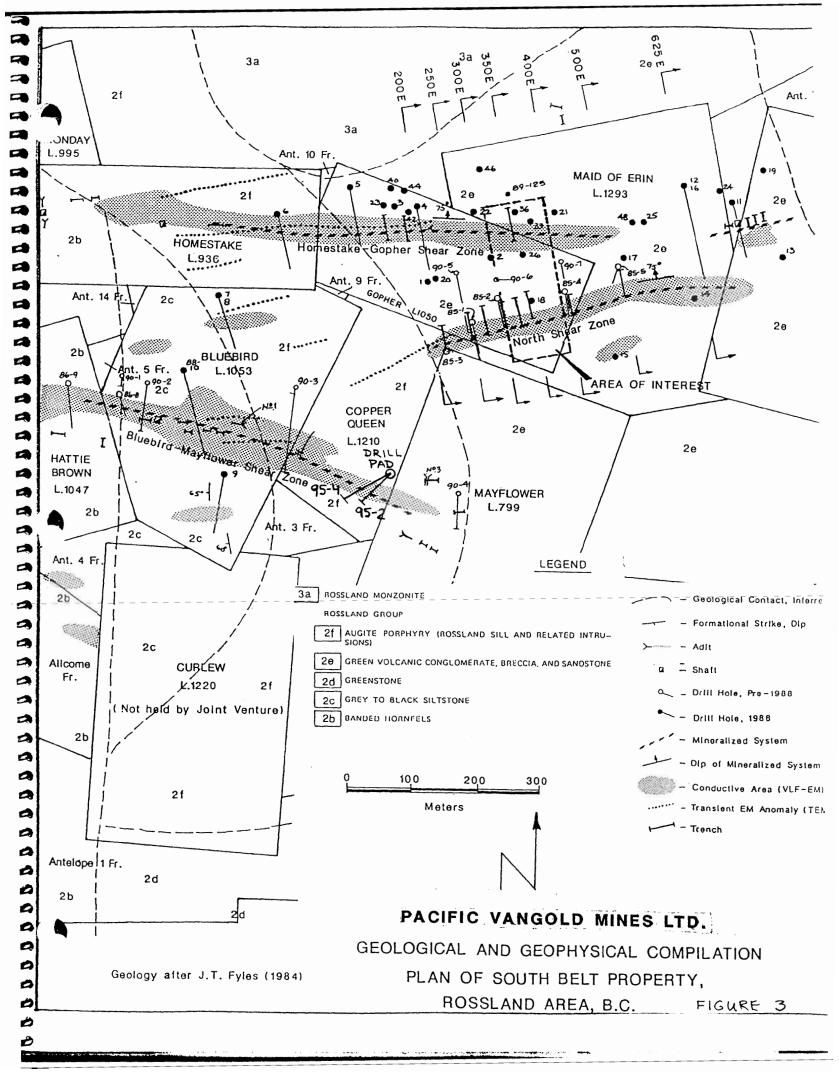
The work for this report is diamond drill holes 95-2 & 95-4 of 98 meters total length and the assays done on the 35 samples taken from it (Appendix 2). A written geological log of this hole (Appendix 1) is also included.

#### DETAILED TECHNICAL DATA AND INTERPRETATION

Holes 95-2 & 95-4 were drilled from Jan. 21, 1995 to Jan. 25, 1995 to test coincident VLF-EM and IP/resistivity geophysical anomalies along a central section of the Bluebird-Mayflower zone (Figure 3). Since this shear zone was thought to dip steeply to the Northeast and strike approximately N 120°, holes 95-2 & 95-4 were drilled at an inclination of -45° and -60° and azimuth 225° and 240° respectively in order to intersect the shear zone as close to perpendicular as possible. The core diameter is NQ and the two drill holes shared the same collar. The core is presently in outdoor storage on the Copper Queen claim.

The drill hole log (Appendix I) shows that the predominant rock type encountered is a fine-grained dark, tuff containing a variable amount of coarse to medium rounded fragments. This unit pertains to the Rossland volcanic sequence into which the Rossland monzonite was intruded.

Pyrite and pyrrhotite are found disseminated throughout most of the volcanics, generally making up 1-2% of the rock but occasionally reaching 5% or forming knots of massive



sulfide. Silicification and minor brecciation, indicative of the shear zone, are found in the lower portions of the holes. Thirty-five samples were taken from the silicified shears. These were fire assayed for gold by Bondar-Clegg and significant results are as follows:

Hole	from'	to'	total'	Au oz./ton	Ag oz./toi	n Pb %	Zn %	Metres
SB-95-2	71	76	5	0.023	4.99	1.93	3.05	21.7 - 23.2
SB-95-2	82	87	5	0.051	5.29	2.02	4.01	25.0 - 26.5
SB-95-4	81	86	5	0.225	1.66	0.34	6.01	24.7 - 26.2
SB-95-4	94	99	5	0.235	2.09	0.88	1.17	28.7 - 30.2

These drill results show that the Bluebird-Mayflower shear zone may contain significant gold value. Evaluation and future work will continue on this zone, likely through more diamond drilling.

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HEMIZED COST STATEME	SN I
Geologist, 5 days at 350.00/day	\$1,750.00
98meters (321 feet) of NQ diamond drilling at \$20.00/foot	\$6,420.00
35 samples prep. at \$4.00/sample	\$140.00
35 fire assay at \$15.00/sample	\$525.00 TOTAL \$8835.00

#### **AUTHOR'S QUALIFICATIONS**

- I, Dan M. Wehrle, of the City of Rossland, in the Province of British Columbia, do hereby certify that:
- I am a geologist residing at 1619 Spokane Street, Box 562, Rossland, B.C., V0G 1Y0.
- 2. I am a graduate of the University of Saskatchewan (1985) in Geology, B.Sc. Honours.
- 3. I have been employed with various companies as an exploration assistant/geologist since 1979.
- 4. This report is based on an analysis of work supervised by myself.
- 5. I have not received, nor expect to receive, any interest direct or indirect, in the properties mentioned in this report.

Dan M. Wehrle, Geologist

Dan Wehr &

Apr. 21st, 1995

Rossland, British Columbia

#### APPENDIX 1

#### DIAMOND DRILL LOGS

Meties	Hole SB-	95-2: Copper Queen claim, az. 225°, dip -45°.
	0-24'	Overburden Weakly altered, medium to dark green, fine volcanics. 1% po./tr. py./tr. cpy. Moderately altered/silicified light green volcanics, traces calcite and healed
7.3	24-58'	Weakly altered, medium to dark green, fine volcanics. 1% po./tr. py./tr. cpy.
17.7	58-71'	Moderately altered/silicified light green volcanics, traces calcite and healed brecciation. 5% po./1%cpy./1%py./tr. gal. & sph.
21.7	71-87'	Strongly altered/silicified light to med. green volcanics. Local heavy bands po./py./tr.cpy/gal./sph. Core angle 90°.  Weakly altered med. green, fine grained volcanics. Traces po./py.
26.5	87-126'	Weakly altered med. green, fine grained volcanics. Traces po./py.
33.4	126-135'	Dark black, fine grained, biotite lamprophyre dike. End of hole.
	141.	2. m
	Hole SB-	95-4: Copper Queen claim, az. 240°, dip -60°.
	0-21'	Overburden.
6.4	21-81'	Weakly altered, med. green, fine grained volcanics. Traces po./py./cpy.
24.7	81-100'	Strongly altered/silicified and locally bleached light green volcanics. Numerous po./py./gal./sph. bands. Core angle 78 <sup>o</sup> .
30.5	100-154'	Weakly altered med. green volcanics. Traces po./py./cpy.
47.0	154-163'	Dark black, fine grained biotite lamprophyre dike.
49.7	163-186'	Weakly altered med. green volcanics. Traces py.
, ,,,	1	
	56.	7 m

## APPENDIX 2 CERTIFICATES OF ASSAY



# Bondar Clegg Inchcape Testing Services

Certificate of Analysis

CLIENT:	PACIFIC VANGOLD	PROJECT: NONE	GIVEN		
REPORT:	V95-00102.4 ( COMPLETE )	DATE PRINTED:	14-FE8-95	PAGE	1
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 				······································	

SAMPLE	ELEMENT	Au	Ag	Cu	Рb	Zn		
NUMBER	UNITS	OPT	OPT	PCT	PCT	PCT		Metres
D2 SB-1 1		0.024	2.26	0.03	1.19	1.91	***************************************	
D2 SB-2 1		0.023	4.99	0.03	1.93	3.05	71-76	21.7-23.2
D2 SB-2 2	95-2	0.010	1.10	0.02	0.44	0.80	58-66	17,7-20,1
D2 SB-2 3		0.051	5.29	0.05	2.02	4.01	<u>8 2- B7</u> '	25.0-26.5
D2 SB-3 1		0.121	0.73	0.10	0.20	2.36		
D2 SB-3 2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.121	0.90	0.25	0.26	5.67		





## Bondar Clegg Inchcape Testing Services

### Certificate Analysis

CLIENT: PACIFIC VANGOLD PROJECT: NONE GIVEN REPORT: V95-00232.4 ( COMPLETE ) DATE PRINTED: 10-MAR-95 PAGE 1

SAMPLE	ELEMENT	Au	Ag	Cu	Pb	Zn			
NUMBER	UNITS	OPT	OPT	PCT	PCT	PCT	***************************************	Metres	
Ŕ2 SB-1-2	*********************	<0.005	0.21	0.02	0.11	0.16			
R2 SB-1-3		<0.005	0.04	<0.01	0.02	0.02			
R2 SB-2-4		<0.005	0.99	0.02	0.37	0.45	66-71	20.1 - 21.7	+
R2 \$8-2-5	95-2	<0.005	0.74	0.01	0.34	0.37	76-82	23.2 - 15	<b>)</b>
R2 SB-2-6	-12-7	<0.005	0.10	0.01	0.01	0.09	76-82' 53-58'	23.7 -25.0 16.2 - 17.7	<u> </u>
R2 SB-2-7	***************************************	<0.005	0.08	0.02	0.03	0.10	84-89'	25.6 - 27.1	
R2 SB-2-8		<0.005	0.11	0.01	0.04	0.06	89-94'	- 28,=	f
R2 \$8-2-9		<0.005	0.09	0.02	0.02	0.03	94-99',	- 30.7	<u>:</u>
R2 SB-2-10		<0.005	0.05	0.02	0.01	0.01	99-104	- 28.3 - 30.7 - 31.7	
R2 SB-3-3		<0.005	0.04	<0.01	0.01	0.02			
R2 SB-3-4		<0.005	0.10	<0.01	0.03	0.02			
R2 SB-3-5		<0.005	0.08	<0.01	<0.01	0.05			



### **Bondar Clegg** Inchcape Testing Services

Certificate of Analysis

CLIENT: PACIFIC VANGOLD PROJECT: NONE GIVEN
REPORT: V95-00226.4 ( COMPLETE ) DATE PRINTED: 15-MAR-95 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT	Cu PCT	Pb PCT	Zn PCT		Metres
R2-SB-4-1		<0.005	0.03	0.02	<0.01	0.03	160 -165	48.8 - 50.3
R2 SB-4-2		<0.005	0.68	0.02	0.53	0.61	165-170'	- 51.9
R2 SB-4-3		<0.005	0.20	0.02	0.12	0.13	170 - 175	-53.4
R2 SB-4-4		<0.005	0.29	0.02	0.17	0.32	175-180'	- 54.9
R2 SB-4-5		<0.005	0.02	<0.01	<0.01	<0.01	142-147	43.3 - 44.8
R2 SB-4-6		<0.005	80.0	<0.01	0.05	0.02	147-152	-46.4
R2 SB-4-7		<0.005	0.03	<0.01	0.01	0.02	152-157	- 47.9 - 49.4
R2 SB-4-8		<0.005	0.04	0.02	<0.01	0.02	157-162	- 49.4
R2 SB-4-9		<0.005	<0.02	0.01	<0.01	0.01	125-130/	38.1 - 39.7
R2 SB-4-10		<0.005	0.06	0.01	0.02	0.04	130-135	- 41.2
R2 SB-4-11		<0.005	0.02	<0.01	<0.01	0.02	135-140	- 42.7
R2 SB-4-12		<0.005	0.03	0.01	<0.01	<0.01	140-145'	- 44.2
R2 SB-4-13		<0.005	<0.02	<0.01	<0.01	<0.01	107-1101	32.6 - 33.6
R2 SB-4-14		<0.005	0.03	0.02	<0.01	<0.01	121-125	36.9 -38.1
R2 SB-4-15		<0.005	0.04	<0.01	0.02	0.02	90-94'	27.5 - 28.7
R2 SB-4-16	***************************************	0.235	2.09	0.02	0.88	1.17	94-99'	- 30,2
R2 SB-4-17		<0.005	<0.02	<0.01	<0.01	<0.01	104-1101	31.7 -33.6
R2 SB-4-18		<0.005	0.03	<0.01	<0.01	<0.01	79-81	24.1 - 24.7
R2 SB-4-19		0.225	1.66	0.19	0.34	6.01	81-86	- 26.3
R2 SB-4-20		0.060	0.69	0.02	0.37	0.07	86-90'	-27.5
R2 SB-4-21	***************************************	<0.005	0.04	0.01	<0.01	0.02	69-74	- 22.6
R2 SB-4-22		<0.005	0.04	0.01	0.01	<0.01	61-69	- 21.0
R2 SB-4-23		<0.005	<0.02	0.01	<0.01	<0.01	51-56'	- 17.1
R2 SB-4-24		<0.005	<0.02	<0.01	<0.01	0.01	46-51	- 15.6
R2 SB-4-25		<0.005	<0.02	<0.01	<0.01	<0.01	41-46	12.5 - 14.0

95-4

