

EVALUATION OF WATER SUPPLY ALTERNATIVES FOR PINECREST ESTATES

Prepared for

VR559 (Pinecrest) Strata Corporation
c/o 403 - 2324 West 1st Avenue
VANCOUVER, B.C. V6K 1G3

Prepared by

PACIFIC HYDROLOGY CONSULTANTS LTD.
204 - 1929 West Broadway
VANCOUVER, B.C. V6J 1Z3

JULY 16, 1991

E. LIVINGSTON, P. Eng.
A. BADRY

PACIFIC HYDROLOGY CONSULTANTS LTD.
CONSULTING GROUNDWATER GEOLOGISTS

204 - 1929 WEST BROADWAY
VANCOUVER, B.C. V6J 1Z3
TELEPHONE: (604) 738-9232

July 16, 1991

VR559 (Pinecrest) Strata Corporation
c/o 403 - 2324 West 1st Avenue
VANCOUVER, B.C. V6K 1G3

Attention: Dr. Joyce Davies and/or
Mr. Ian Barnet

Subject: Evaluation of Water Supply Alternatives for Pinecrest Estates

Dear Sirs:

Enclosed herewith is our report concerning the investigation which we recently carried out to evaluate water supply alternatives for the Pinecrest System.

We trust that the report meets with your approval. We would be pleased to further discuss any aspect of the contents of the report.

Yours truly,

PACIFIC HYDROLOGY CONSULTANTS LTD.



E. Livingston, P. Eng.

EVALUATION OF WATER SUPPLY ALTERNATIVES FOR PINECREST ESTATES

TABLE OF CONTENTS

<u>Section</u>	<u>Subject</u>	<u>Page</u>
	LETTER OF TRANSMITTAL	i
1.0	SUMMARY AND CONCLUSIONS	1
2.0	RECOMMENDATIONS	2
3.0	INTRODUCTION	3
	3.1 Purpose, Scope and Authorization	3
	3.2 Background	4
	3.3 Acknowledgements	6
4.0	GEOLOGY	7
5.0	SURFACE WATER HYDROLOGY	8
6.0	GROUNDWATER HYDROLOGY	9
7.0	WATER SUPPLY ALTERNATIVES	10
	7.1 Existing Retta Lake Source and System	10
	7.2 Black Tusk System	12
	7.3 Brew Creek and Roe Creek	12
	7.4 Drilled Wells	13

APPENDICES

APPENDIX A	AREA LOCATION MAP
APPENDIX B	WATER QUALITY

TABLE OF CONTENTS (cont'd)

FIGURES

<u>Number</u>	<u>Title</u>	<u>Page</u>
Figure 1	Pinecrest Estates Area Location Map	A - 1

TABLES

<u>Number</u>	<u>Title</u>	<u>Page</u>
Table 1	Water Quality in the Pinecrest Estates and Black Tusk Water Systems	B - 1

