

GEOLOGY

Kelowna. May 1/31

The Trustees
Winfield & Okanagan Centre Irrigation Dist.
Winfield B.C.

Gentlemen,-

In view of the almost certain serious shortage of water for lands within the above District, I would suggest that you investigate the practicability and cost of obtaining an additional supply of water by pumping from the Okanagan Lake, for the following lands, viz. Lots 13, 14, 40 and 108 to 112 map 444, 113 to 117, 122 to 131, 150 to 167, and ten acres further South map 454, owned by the following men, Cheesman, Hare, Kobayashi, Groves, Grey, Kobayashi, Groves, Copeland, Parker.

The elevation above Okanagan Lake is as follows, taken by aneroid barometer, S.E. Corner lot 14 (Hare) 200ft. S.E.C. Lot 115 (Groves) 160ft. S.E.C. Lot 131 (Kobayashi) 220 ft. S.E.C. Lot 156, (Groves-Copeland) 200ft.

To which elevation add 10ft. for friction in pipes, making a maximum head to be pumped against of 230 ft. or an average head of 210 ft.

Approximate cost of pipes (wood) laid	\$3000.00
Approximate area served 63 acres	
Cost per acre for pipes	46.00
Interest and sinking fund cost per acre	4.60
Cost of power per acre Ft. pumped	4.60
Cost per acre for 2½ acre Ft. for power	\$ 11.55
Total cost per acre for 2½ Acre Feet for interest and sinking fund, not including pump or motor	16.15

Yours truly

(signed) F. W. Groves

To the Trustees,

The above letter received from Mr. Groves
forwarded for your information

E. C. M.