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RENISON LIMITED
GREAT NORTHERN PLAINS TIN PROSPECT
INTRODUCTORY REPORT

JAN 1978

by K WELLS

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Page 6. Conclusions and Recommendations

Drilling in the Great Northern Plains, to date, has been undertaken by different individuals/companies in various relatively small areas, over a period of 75 years (since 1902) in a fragmented and unco-ordinated fashion. No attempt appears to have been made to evaluate the area as a whole.

The majority of the drilling records are very poor and in detail unreliable, although they do serve to show the general potential of the area. Several deep leads do occur, notably the Scoloch and MacGreggor Leads but tin also appears to occur in shallower terrace type deposits and known tin mineralisation occurs in different areas from the surface to as deep as 45 m (150'). Some of the mineralisation has gold associated with it, up to 2 oz./cu. yd., e.g. Locharber Lead.

Most of the drilling in recent years was designed to prove-up sufficient ground to enable recommissioning of the Dorset Dredge, which has a maximum digging depth of approx. 18 m (60'). Although known drilling to date has indicated potential deposits totalling 50 million cubic yards grading better than 0.2 lbs (70% Sn)/cubic yard other mineralisation is known to occur and much of the drilling was not bottomed (where the richest tin usually occurs), e.g. Utah's drilling around Dugards. Much of the Wanex drilling was terminated at 18 m (60') if not bottomed, and perhaps most significantly twenty two holes drilled by Dorset Tin in Foster's Marsh consistently encountered a bottom shingle averaging 0.6 lbs (70% Sn)/cubic yard, but it was considered to be too deep for the dredge.

The area seems to have the potential to develop a large volume of material, greater than 100 million cubic yards, within 45 m (150') of the surface averaging 0.2 - 0.3 lbs (70% Sn)/cubic yard suitable for exploitation by a large dredge, capable of mining 8 - 10 million cubic yards per year, (current costs on Malayan Dredges of this size are approx. 17¢/cubic yard). However, to do this, exploration rights would have to be obtained to the current Mining Reserve S.R. 32/80, over the

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Foster's Marsh area. The rights to the three reserves over the Scoloch Lead held by Kibuka Mines Pty Ltd are unlikely to be available at the present time.

If the rights to the Foster's Marsh area can be obtained it is recommended that negotiations be continued with Hellyer Mining and Exploration Pty Ltd with a view to reaching a joint venture agreement over the area. Should subsequent drilling prove-up a suitable deposit in the area consideration should also be given to investigating Ringarooma Bay as part of the same programme. In 1966-67 Ocean Mining A.G. outlined, (in an offshore continuation of the Ringarooma River), at least 30 million cubic yards grading 0.37 lbs (70% Sn)/cubic yard, in sediments 12 m (40') thick, in water up to 37 m (120') deep. A potential for a deposit twice this size, i.e. 50 - 60 million cubic yards was considered possible. The E.Z. Company recently relinquished this area and their results should be acquired as soon as they become available.

K. Wells

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17th January, 1978.

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