

9. RECOMMENDATIONS

It is recommended that the Stage III beneficiation study be conducted on the Mt Bischoff tin ores to establish the treatment method as follows:

Unconventional Treatment Procedure

- (a) Detailed evaluation of other tin collectors such as CA540 and S-3903.
- (b) Investigation of up-grading of the tin flotation rougher concentrate by flotation cleaning making use of a sufficiently large quantity of material to maintain cleaning pulp densities.
- (c) Investigation of up-grading tin flotation rougher concentrate by gravity methods making use of classification as well as conventional means.

Conventional Treatment Procedure

- (a) Examination of a more effective initial bulk flotation sulphide removal using a finer feed grind and with the use of an activator.
- (b) Evaluation of a full gravity beneficiation circuit including middling retreatment on the bulk sulphide flotation tail obtained in (a) above.
- (c) Evaluation of flotation recovery of fine tin generated from the gravity circuit used in (b) above.