PROSPERITY
A Gold-Copper Project of Taseko Mines Limited

Taseko Prosperity Gold-Copper Project

Appendix 5-4-I

Taseko Mines Limited

Appendix 5-4-I Soils Quality Control

This section will primarily discuss quality control for work performed by Jacques Whitford AXYS. Soils work performed prior to 2006 was completed by Talisman (1999) and Madrone (1997) and is summarized in these reports. Jacques Whitford AXYS completed some QA/QC was on data collected by Talisman and Madrone when original data sheets were available, including detailed horizon descriptions.

The quality control component of the 2006 field program included a field correlation exercise and a plot card review process.

The field correlation was completed at the beginning of the 2006 field program, after a review of the Talisman (1999) and Valentine et al. (1987) soil reports. The soils lead worked with a senior soil scientist for the first two days of the mine site field program and periodically during the rest of the field program. This was done to ensure that both soil scientists working on the project shared an understanding of the purpose of the program and used standardized data collection methods. It also ensured a common understanding of parent materials, horizon sequences and soil subgroups common in the area.

Field plot cards were reviewed on a nightly basis by the soils lead to ensure that data was consistently collected and recorded. In addition, a portion of the plot cards were reviewed by a senior soil scientist following the field program.

Quality control during data entry was accomplished in two ways. The first was the use of a junior soil scientist for data entry. Through an understanding of soils terminology and concepts, the data enterer could spot any errors that may have occurred on the original plot cards. The database was then reviewed by the soils lead to spot any remaining errors and to identify inconsistencies.

A comprehensive senior review process was also carried out at the final stages of the baseline to ensure overall quality control of the final product.

Analyzing Model Accuracy and Final Adjustments

Model effectiveness was assessed by using background literature, previous mapping of the area by Talisman (1999) and Valentine et al. (1987), and by comparisons to ground inspection data. On-site field plot data from Talisman, Madrone and from the 2006 field season were used to verify model accuracy. Any discrepancies between model results and the field data were noted. Discrepancies with the model were adjusted to best reflect field data.

Soil map unit assignments using the model decision matrix were checked against field data collected at a SIL 2 density (~ 1 inspection per 11 ha for the mine site LSA).