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Section D2.   Validation and Verification Methods

All data reported for the SWAMP Program will be subject to checks for errors in transcription, calculation, and computer input. Field data are initially validated by built in checks in the SIMS which alerts the person reporting the data immediately of outlier values for verification. These checks are described in Section B10 of this document and in more detail in **Appendix J**. For laboratory data, when the data are reported to the SWAMP data manager, if an outlier or other question arises with the data, the data manager refers the data in question to the appropriate SWAMP scientist who verifies the data. Usually, the individual who reported the data is contacted directly to resolve any discrepancies. When the SWAMP scientist is satisfied with the accuracy of the laboratory data in question, he or she signs the data form and forwards it to the data manager for data entry. The data manager will follow the SOP for data processing.

All laboratory data forms must be accurate and complete. Any changes to the data forms will be noted, initialed and dated on the form. Any actions taken as a result of the data review will also be noted on the data sheet.

Refer to Section B10 of this document for additional discussion of data problem resolutions.

Section B10 of this document also discusses the chain of custody of data throughout the life of the project.