High Priority Data Quality Issues

The following table lists data clean-up tasks that have been identified as high priority because they will prevent or significantly affect the quality of data migration from ISMS to GeoBOB.

Quality issue	Explanation	Suggestion
1. General Survey and Species Location records with no or obviously incorrect corresponding UTM coordinates.	Null or obviously incorrect UTM coordinates indicate that a polygon has not been linked, or associated, to a valid tabular record. Any record without proper UTM coordinate values cannot be migrated to GeoBOB.	Refer to the attachment titled "Coordinate Quality Report". If your data source code has "Null" or "Bad" listed under the Coordinate Quality column, you own ISMS records that have no linked spatial features. Shapes must be digitized and then linked, or re-linked if previously digitized, to the corresponding record using gISMS. The process of linking a digitized shape to an ISMS record correctly populates or over-writes "Null" or "Bad" coordinate values.
2. General Survey and Species Location records without one or more species observations entered.	Records with no species information are assumed to be a result of data entry error. These records will not be migrated to GeoBOB. It is against the ISMS data rules to have a species location or general survey without at least one positive or negative species observation.	Refer to the ISMS website's web query utility titled "Quality Assurance and Checks" at http://isms.r6.fs.fed.us/Tools/Web_Query_Utility/QAQC/default.asp. Select the "No Species related to location" query and your data source code. All records returned by this query should be corrected or deleted.
3. Spatial features in the Corporate Shapefile that have an identical LOC_CN and LOC_ID pair in the shapefile attribute table.	It is possible to create this error by linking more than one shape to a tabular record. These records may not be migrated to GeoBOB because there is no way to distinguish which shape is the correct shape.	Refer to the attachment titled "Corp Shapefile Spatial Data Quality Report". See the Duplicate Records section and make corrections in gISMS by identifying the correct polygon and deleting the incorrect polygon(s).
4. General Survey and Species Location records with UTM coordinates in the tabular record, but no corresponding digitized shape included in the Corporate Shapefile.	This issue occurs when a shape is created locally but not submitted during a Corporate Shapefile merge. Alternatively, it could mean coordinates were entered into ISMS without properly using the gISMS data entry tools. Missing shapes will be 'built' during migration using the tabular UTM coordinates to create a point, but not a polygon. The actual extent or location of the survey, site, or observation polygon will be lost.	Be sure to submit clean and complete unit shapefiles for the upcoming Corporate Shapefile merge. Ensure the number of ISMS records for your data source matches the number of features and the number of records in the unit attribute table for each shapefile. It is especially important to submit all site polygons of species transitioning to the FS Sensitive or BLM Special Status Species programs.
5. The Corporate Shapefile contains multi-part polygons and polygons with slivers.	Multi-part polygons and slivers create the quality issue described in number 3 above.	Refer to the attachment titled "Corp Shapefile Spatial Data Quality Report". See the multi-part polygon and slivers section. Eliminate the slivers using gISMS editing tools, and re-link. Create a new ISMS record for each part of the multi-part polygon and re-link the shapes to their corresponding record.