Quality Assurance Summary of the Hope IFPA TEM Project
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1.0 Review of Project Deliverables

The items in **Table 1. TEM Deliverables** are required for the submission of a TEM project to the provincial data warehouse (RIC April 2000). This is a brief review of the data received from Corey Irwin at MSRM. A more detailed examination is found in the remainder of the document.

Table 1. TEM Deliverables

Item	Present	Condition
Spatial Databases		
tECP Coverage	Yes	Data Missing
tECI Coverage	No	
Non-Spatial Attribute Databases		
tPRO	Yes	
tECP	Yes	
tVEN	No	
tUSR	Yes	
Plot Files		
*.rtl	No	
Map Legend		
ML.rtf	Yes	
Expanded Legend and Final Report		
EL.rtf	No	

2.0 Ecosystem Polygon Attributes – tECP.csv

The tECP is in the standard format but some of the data is missing.

- There are no structural stage calls – they were never done
- There is no terrain data – they were never done

This problem cannot be fixed without going back to the photos.

There is a poly_nbr 0. It should be changed to an integer value.

The SITE_S1, SITE_S2, and SITE_S3 calls are all numeric, not character so the calls appear as 1 not 01 or 2 not 02 as specified by the standards. Anthroprogenic codes like RO, OW, and RI do not get a 00 code, they are just blank.

3.0 tECP.CSV/Spatial Many to One Relationships

There are no Many to One Relationships

4.0 Label Errors

There are no polygons missing labels or polygons with multiple labels in the spatial data.

5.0 Multiple Instances of ECP_TAG

There are no multiple ECP_TAGs

6.0 Polygon Adjacency

There are polygon adjacency issues. When dissolving the initial 7505 polygons by the ecological attributes the outcome is 7448 polygons.

7.0 Fcodes

There are no fcode errors.

8.0 SRC_Fcodes

There are no SRC_fcodes. This item will have to added.

9.0 MSRM Data Deliverables

The product does not have the right naming conventions.

10.0 Comments and Observations

The Hope IFPA TEM is going to need some work. Most of these items can be fixed in a relatively quick fashion with the exception of the absence of structural stage and terrain calls. These items would have to be fixed by going back to the original photos. The teci files are absent and without this plot data and the recorded UTM's for their locations the spatial coverage and associated VENUS files cannot be generated.

All of the ecological items are present and there is a one to one relationship with the database so the polygon adjacency issues can be fixed. As can the SRC_FCODE problems.

11.0 Proposed Methodology and Timeline

11.1 Renumber polygons and Run Dissolve – .5 Days

This will get rid of the polygon adjacency and numbering issues.

11.2 Add SRC_FCODES - 1 Day

Manually add the SRC_FCODEs from the TRIM data.

11.3 Reformat and Export TECP.CSV - .5 Days

Fix the problem with the SITE_S codes and the anthroprogenic codes. This will involve creating a cross-walk table and a number of sorts. The information is there but it is not in the right format. This is probably the results of a bad export at one point.

11.4 Create Deliverables Package - .5 Days

11.5 Total Time

2.5 Days to fix the items mentioned in the report. This will bring the TECP spatial and attribute data up to 1998 standards with the exception of the structural stage and terrain calls. The project will still be incomplete because there is no plot data or report but the ecosystem polygon information will be up to 1998 standards and available for use.

12.0 References

Ecosystems Task Force For: Resource Inventory Committee. Standards for Digital Terrestrial Ecosystem Mapping (TEM) Digital Data Capture British Columbia. Ecosystem Technical Standards and Database Manual. Version 3.0. April 2000.