**GS Map Making**

Graphml file analysis derived from **“RHB Layout graph F2.graphml”**

The files are subdivided into separate nodes and edge files.

The nodes appear like this:

*<node id="n1">*

*<data key="d6">*

*<y:ShapeNode>*

*<y:Geometry height="30.0" width="30.0" x="561.6405273213207" y="496.3377514328821"/>*

*<y:Fill color="#FFCC00" transparent="false"/>*

*<y:BorderStyle color="#000000" raised="false" type="line" width="1.0"/>*

*<y:NodeLabel alignment="center" autoSizePolicy="content" fontFamily="Dialog" fontSize="12" fontStyle="plain" hasBackgroundColor="false" hasLineColor="false" height="18.1328125" horizontalTextPosition="center" iconTextGap="4" modelName="custom" textColor="#000000" verticalTextPosition="bottom" visible="true" width="11.587890625" x="9.2060546875" y="5.93359375">2<y:LabelModel>*

*<y:SmartNodeLabelModel distance="4.0"/>*

*</y:LabelModel>*

*<y:ModelParameter>*

*<y:SmartNodeLabelModelParameter labelRatioX="0.0" labelRatioY="0.0" nodeRatioX="0.0" nodeRatioY="0.0" offsetX="0.0" offsetY="0.0" upX="0.0" upY="-1.0"/>*

*</y:ModelParameter>*

*</y:NodeLabel>*

*<y:Shape type="ellipse"/>*

*</y:ShapeNode>*

*</data>*

*</node>*

The Priority nodes to look out for are:

1. **node id=”n1”**
2. *<y:Geometry height="30.0" width="30.0" x="3045.823529411764" y="1415.725017611213"/>*
   * ***X=”INT”***
   * ***Y=”INT”***

It seems that edges are stored separately in their own section near the bottom. Each individual edge is saved separately from its node.

<edge id="e10" source="n6" target="n62">

<data key="d10">

<y:PolyLineEdge>

<y:Path sx="0.0" sy="0.0" tx="0.0" ty="0.0">

<y:Point x="1508.5561566989204" y="608.7597919150406"/>

</y:Path>

<y:LineStyle color="#000000" type="line" width="1.0"/>

<y:Arrows source="standard" target="standard"/>

<y:BendStyle smoothed="false"/>

</y:PolyLineEdge>

</data>

</edge>

The data to take from each node is:

1. <Edge id=”e10” source=”n6” target=”n62”>
   1. **Edge Id=”NODENAME”**
   2. **Source=”NODENAME”**
   3. **Target=”NODENAME”>**
   4. It might be more efficient to turn each edge into interval data referencing the nodes it connects to (source and target)