Figure 1: Weight percent CuFeS2.
Figure 2: Weight percent PbS.
Figure 3: Weight percent ZnS.
Figure 4: Plan map of the Lost Creek Mine area including topography, road system and processing plant.
Figure 5: Dialog for attaching drawing files containing topography and border.
Figure 6: Query dialog to insert contents of attached drawings into current drawing.
Figure 7: Dialog activated by the” Map > Map Tools > Drawing Cleanup” menu selection.
Figure 8: Object selection dialog activated from the “Object selection” button.
Figure 9: Dialog for controlling object conversion activated from the “Object conversion” button.
Figure 10: Dialog for cleanup options activated from the main “Cleanup options” button.
Figure 11: Create topology main dialog applied to topography.
Figure 12: Dialog activated by the “Link objects” button in the “Create Topology” dialog.
Figure 13: Define object data dialog used to create object tables.
Figure 14: Dialog used to attach object table to polygon centroid point objects.
**Figure 15:** Dialog used to edit object tables attached to polygon centroids.
**Figure 16:** Dialog for creating a union topology of topography and CuFeS2 data.
**Figure 17:** Dialog for including object table fields within the overlay topology operation.
Figure 18: Resulting “COMBO1” object table created from the union of the topography and CuFeS2 polygon topologies.
Figure 19: Dialog activated by the “Add” button in the External Database Configuration utility.
Figure 20: Dialog for setting the path to database files in the database environment.
Figure 21: Dialog used to convert object data into an external database file.
Figure 22: Definition of LPN for the export of object data to an external database file.
Figure 23: Dialog generated by the “select” key column(s) button.
Figure 24: Exported “Combo1” object data in a Paradox table (DBF) form. Note that field names have been shortened.
Figure 25: Dialog used in Paradox to restructure the field names of a database table.
Figure 26: Connecting to the COMBO1 external database file via a LPN.
Figure 27: Dialog activated by the “Map > Database > Attach” menu selection.
**Figure 28:** Window generated by the “Map > Database > Browse Database” menu selection.
Figure 29: Combo3 polygon topology.
Figure 30: Appearance of the “Combo3.DBF” database within Paradox.
Figure 31: Dialog activated by the “Map > Topology > Buffer” menu selection.
Figure 32: Map of the 50 meter buffer polygon.
Figure 33: Dialog generated for the overlay of the buffer polygon over Combo3.
Figure 34: Geometry of the “FinalResults” polygon topology.
Figure 35: Example of query and resulting table that calculates the OBT field.
Figure 36: Results of Paradox query that sets the “LEVL” field value.
Figure 37: Thematic query dialog for “FinalResults”.
Figure 38: Display options for the thematic query in “FinalResults”.

<table>
<thead>
<tr>
<th>Range</th>
<th>Pattern</th>
<th>$S1$</th>
<th>$Ang$</th>
<th>Color</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SOLID</td>
<td>1.00</td>
<td>E</td>
<td>182</td>
<td>1.00</td>
</tr>
<tr>
<td>2</td>
<td>SOLID</td>
<td>1.00</td>
<td>E</td>
<td>140</td>
<td>2.00</td>
</tr>
<tr>
<td>3</td>
<td>SOLID</td>
<td>1.00</td>
<td>E</td>
<td>110</td>
<td>3.00</td>
</tr>
<tr>
<td>4</td>
<td>SOLID</td>
<td>1.00</td>
<td>E</td>
<td>51</td>
<td>4.00</td>
</tr>
<tr>
<td>5</td>
<td>SOLID</td>
<td>1.00</td>
<td>E</td>
<td>211</td>
<td>5.00</td>
</tr>
<tr>
<td>6</td>
<td>SOLID</td>
<td>1.00</td>
<td>E</td>
<td>1</td>
<td>6.00</td>
</tr>
</tbody>
</table>
Figure 39: Dialog for creating the thematic query legend information.
Figure 40: Final Results map after thematic query and legend information has been added.
**Figure 41:** Dialog for opening a file in Quattro.
Figure 42: Appearance of the Lost Creek project spreadsheet (Quattro).