Map Sheet 1: Geomorphological Map of Lyot Crater, Mars

**Stratigraphy**

<table>
<thead>
<tr>
<th>Unit Description</th>
<th>Additional Characteristics</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Auscult</strong></td>
<td>Dark material located on the steep walls of the crater. No other crater units are superposed.</td>
<td>Bedrock material modified by impact gardening and has been exposed by the impact event.</td>
</tr>
<tr>
<td><strong>Edict</strong></td>
<td>A dark material consisting of concentric deposits. Boundaries are gradational.</td>
<td>Mature impact deposits that are exposed in places by removal of overlying deposits.</td>
</tr>
<tr>
<td><strong>Fan deposits</strong></td>
<td>Predominantly composed of material derived from the disintegration of the crater rim. Boundaries are gradational.</td>
<td>Material excavated during the impact event is removed by the impact event.</td>
</tr>
<tr>
<td><strong>Vicious flow features</strong></td>
<td>Material excavated during the impact event is removed by the impact event.</td>
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<tr>
<td><strong>Maple</strong></td>
<td>Dark material located on the steep walls of the crater. No other crater units are superposed.</td>
<td>Bedrock material modified by impact gardening and has been exposed by the impact event.</td>
</tr>
<tr>
<td><strong>Crest of buried crater</strong></td>
<td>Lighter material located on the steep walls of the crater. No other crater units are superposed.</td>
<td>Bedrock material modified by impact gardening and has been exposed by the impact event.</td>
</tr>
</tbody>
</table>

**Surficial units**

**Auscult**
- Dark material located on the steep walls of the crater. No other crater units are superposed.
  - Boundaries are gradational.

**Edict**
- A dark material consisting of concentric deposits.
  - Boundaries are gradational.

**Fan deposits**
- Predominantly composed of material derived from the disintegration of the crater rim.
  - Boundaries are gradational.

**Vicious flow features**
- Material excavated during the impact event is removed by the impact event.

**Maple**
- Dark material located on the steep walls of the crater. No other crater units are superposed.
  - Boundaries are gradational.

**Crest of buried crater**
- Lighter material located on the steep walls of the crater. No other crater units are superposed.
  - Boundaries are gradational.