The History of Water at Lyot Crater, Mars: Possible Surface Manifestations of Ancient Groundwater and/or Recent Climate Change

Thesis

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Map Sheet 1: Geomorphological Map of Lyot Crater, Mars

**Surface units**

**Aed:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Ej:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Ed:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Fp:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Vf:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Cf:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Cru:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Pse:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Man:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Mn:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Pm:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Pd:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Dd:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Dm:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Fm:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Fp:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Pf:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Cf:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Cru:**
- Viscous flow features
  - Approximately channel-like features with a distinctive textural surface, 100 m wide, trough and fill on the surface.

**Stratigraphy**

**Unit Description**

**Interpretation**

**Legend**

- **Contours**
  - Contour (1000 m)
  - Contour (100 m)

- **Linear Features**
  - Channel
  - Gully
  - Crest of buried crater
  - Crest of crater rim

- **Contacts**
  - Certain
  - Approximate
  - Gradational
  - Field deposit boundary