



### GEOLOGIC MAP OF THE MTM -05152 AND -10152 QUADRANGLES, MANGALA VALLES REGION OF MARS

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Figure 1. Index map showing major physiographic features and locations of 1:500,000 scale maps in Mangala Valles region. Major physiographic features include the Amazonis Plateau, the Tharsis volcanic plateau, the northern lowlands, and the southern highlands. The Mangala Valles region is shown in the center of the map.

Figure 2. Correlation chart of map units. The chart shows the relationship between the units on the map and the units in the geologic series. The units are color-coded to match the map.

Figure 3. Description of map units. This section provides a detailed description of each unit shown on the map, including its composition, structure, and age.

Figure 4. List of references. This section lists the scientific papers and reports that were consulted during the preparation of the map.

Figure 5. Index map showing major physiographic features and locations of 1:500,000 scale maps in Mangala Valles region. Major physiographic features include the Amazonis Plateau, the Tharsis volcanic plateau, the northern lowlands, and the southern highlands. The Mangala Valles region is shown in the center of the map.