



Shaded relief base chart. North Polar Region of LMP-3, 2nd edition, October 1970, prepared by AGIC (Aeronautical Chart and Information Center), U.S. Air Force. Overlaid on Lunar Earthquake Chart LMP-1 and Lunar Earthquake Chart LMP-2. Horizontal positions of shaded relief features based on AGIC Potential Reference System, 1969. Feature names from the International Astronomical Union catalogue extended 1970.

Mapped 1971-1974. Data sources: Lunar Orbiter photographs (1967) provided monthly; zones 7 (1969) and Mission 10 (1972) frames processed on index map. Photograph courtesy of National Aeronautics and Space Administration. Additional geologic maps at same scale: Neoprecambrian by Wilhelms and McCauley (1971) overlap between long 50° W and 40° E and 140° W and 50° W; and between long 50° W and 40° E and 140° W. Eurasia, outside and central basin maps overlap between long 140° W and 50° W, outside map by Wilhelms and Fisher (1971) between long 140° W and 140° W, and inside map by Scott, McCauley, and Hess (1971) between long 140° W and 140° W.

Geologic maps at 1:1,000,000 scale entirely within northpolar map by Ulrich (1969). Morphologic and geologic maps at 1:250,000 scale of the maria, outside maps by Scott and Eglington (1973), Schaber (1969), Page (1970), Scott (1972), and others. Work performed on behalf of the National Aeronautics and Space Administration under Contract No. DA19-113D.

GEOLOGIC MAP OF THE NORTH SIDE OF THE MOON

By
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1978

PROVINCE MAP

Figure 1.-Generalized geologic map showing major geologic units grouped statistically and geographically. Craters of Imbrium and younger age are omitted.

EXPLANATION

- Geologic units are indicated by letters and numbers as defined for Lunar Orbiter IV pictures, or, in all others, entire outline of usual part of picture shown. If refers to high resolution, H ; if moderate resolution, M .
- Lunar Orbiter IV-B
 - Lunar Orbiter IV-M, when it is the only Lunar Orbiter coverage. For other areas, only terminator traces of each picture determined, but useful coverage extends to more than 500 km beyond. Center of picture near lat 17° N.
 - Lunar Orbiter V-1 and V-6.
 - Lunar Orbiter V-M
 - Overlap of Lunar Orbiter IV-B and V-M.
 - Zoned of Lunar Orbiter V-1 and V-6.
 - Missions:
 - M10-F (Missions 10-F)
 - M11-F (Missions 11-F)
 - M12-F (Missions 12-F)
 - M13-F (Missions 13-F)
 - M14-F (Missions 14-F)
 - M15-F (Missions 15-F)
 - M16-F (Missions 16-F)
 - M17-F (Missions 17-F)
 - M18-F (Missions 18-F)
 - M19-F (Missions 19-F)
 - M20-F (Missions 20-F)
 - M21-F (Missions 21-F)
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 - M97-F (Missions 97-F)
 - M98-F (Missions 98-F)
 - M99-F (Missions 99-F)
 - M100-F (Missions 100-F)
 - Terminator, backscattered on illuminated part of limb.
 - Limit of coverage of obliquely viewed part near limb.
- Not shown are:
- Lunar Orbiter IV-M frames except for those of the northeastern and western ends.
 - IV-165M, 177M, and 191M; and frames V-13M to 19M, 24M, 28M, all of which have very small scale.
 - Mission 10 pictures that duplicate areas well covered by Mission 16.
- Scale: 1:1,000,000
- INDEX MAP OF THE MOON
The number preceded by 1 refers to published 1:5,000,000 geologic map.
- 1-723 Geologic map of the North Side of the Moon (circular) (this map)
- 1-724 Geologic map of the West Side of the Moon
- 1-725 Geologic map of the East Side of the Moon
- 1-1062 Geologic map of the North Side of the Moon

Photographic coverage

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