



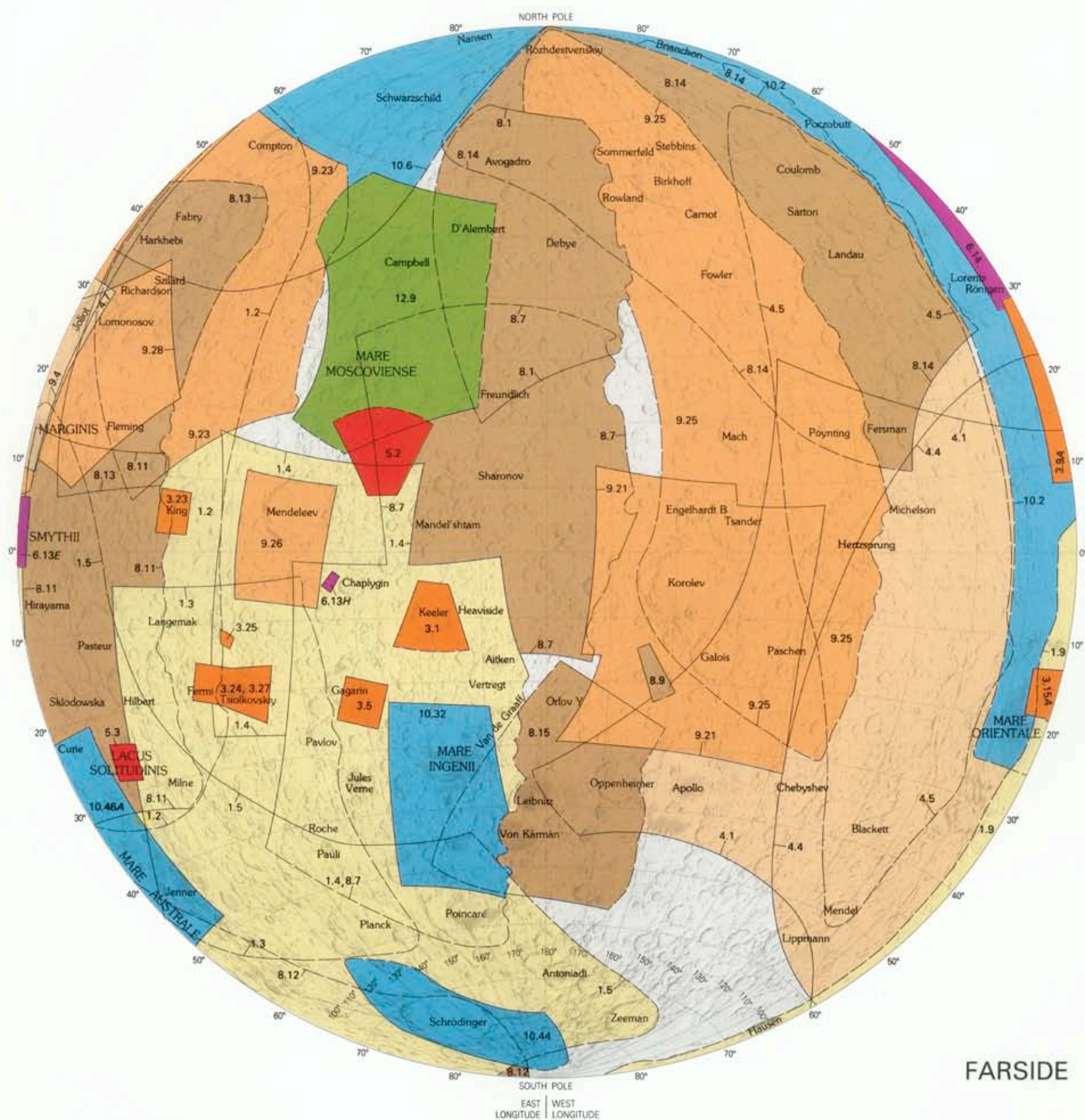
1	2	3	4	5	6	7	8	9	10	11	12	13
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10.31

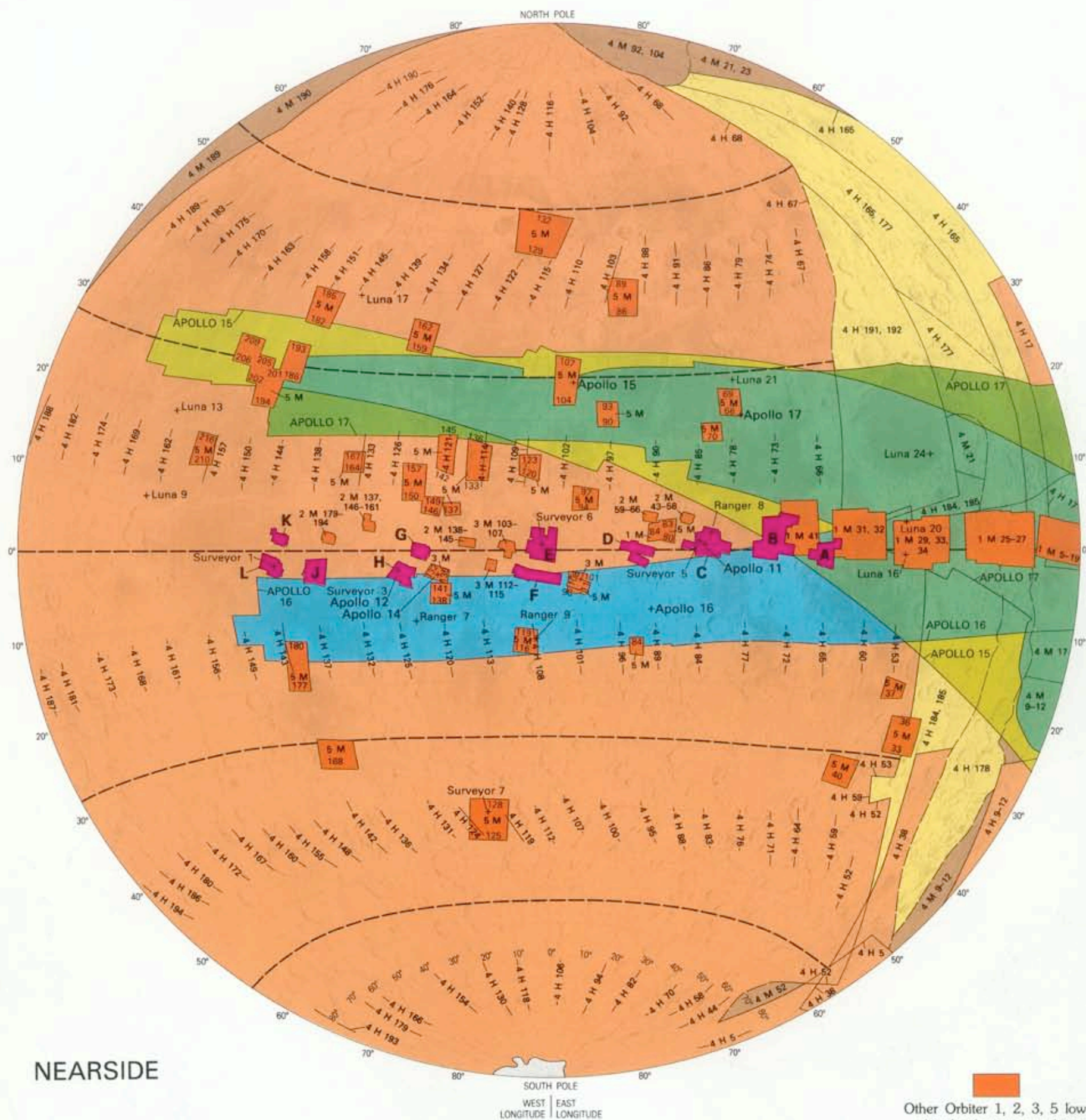
Area of photograph and figure number

Chapter number precedes decimal point, figure number within chapter follows. Photographs of small areas, individual craters, and basin centers (fig. 4.3) are not shown. Boundaries dashed where approximate.

+
Landing site



Each 10° of latitude equals about 300 km



NEARSIDE

Areas multiply photographed by Lunar Orbiter; resolution, 10-20 m

- A 1 M 44, 50-67; 3 M 25, 31, 33; 5 M 38, 41, 42, 44-51
- B 1 M 48, 49, 68-83; 2 M 5, 7, 9, 11-20, 25-32, 35-42; 3 M 5-19 (odd nos.); 5 M 52, 55-63
- C 1 M 85-100; 2 M 67-74, 76-91; 3 M 58, 60, 63, 66, 68, 70; 5 M 64, 71-78
- D 1 M 105-112; 2 M 94; 3 M 80-83
- E 1 M 118-133; 2 M 93, 95-111, 113-136; 3 M 84, 86-101; 5 M 108-115
- F 1 M 141-148, 3 M 116-119
- G 1 M 137, 139, 140; 2 M 163-178; 3 M 120, 124-131
- H 1 M 157-172; 3 M 136-160
- J 1 M 176-183; 3 M 171, 173-180; 5 M 169-176
- K 2 M 195, 197-212; 3 M 161, 163-170
- L 1 M 185-215; 3 M 172, 181-212

- Actual boundary of photographs
- Approximate boundary of best coverage

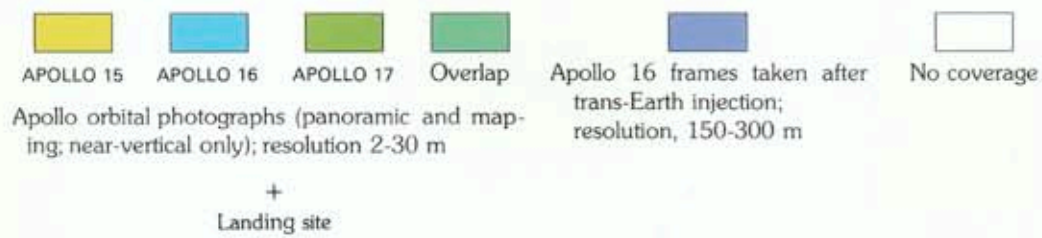
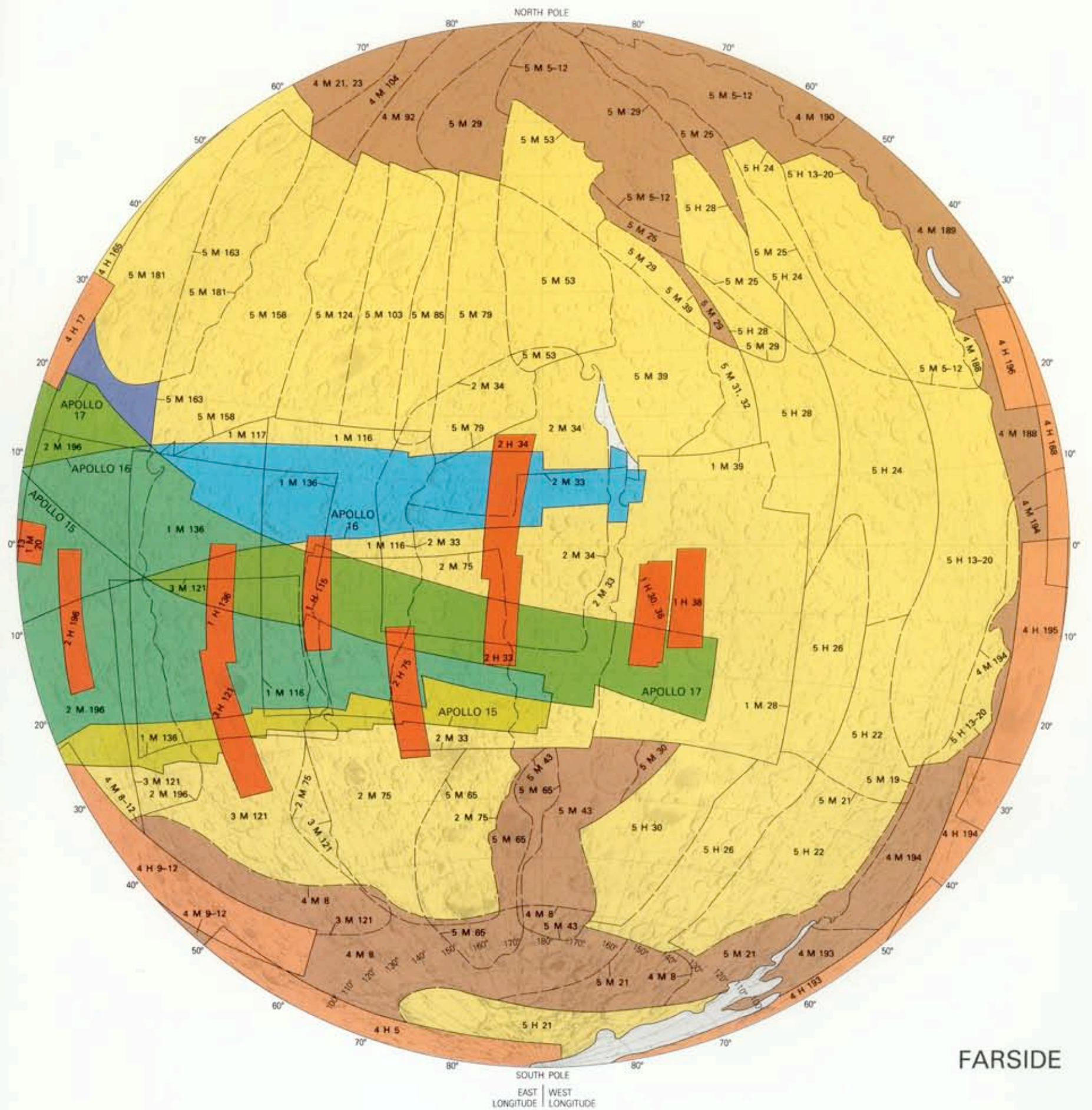
An H-frame is centered within each M-frame: each H-frame has an eightfold better resolution than the corresponding M-frame. X-ray spectrometer data acquired along Apollo 15 track between long 155° E. and 40° W. and along Apollo 16 track between long 140° E. and 30° W.; gamma-ray spectrometer data acquired along entire Apollo 15 and 16 tracks including unphotographed regions (see chap. 5). Orbiter resolutions after Hansen (1970); complete plots of Orbiter coverage given by Hansen (1970), Kosofsky and El-Baz (1970), and Bowker and Hughes (1971). Apollo data after Masursky and others (1978).

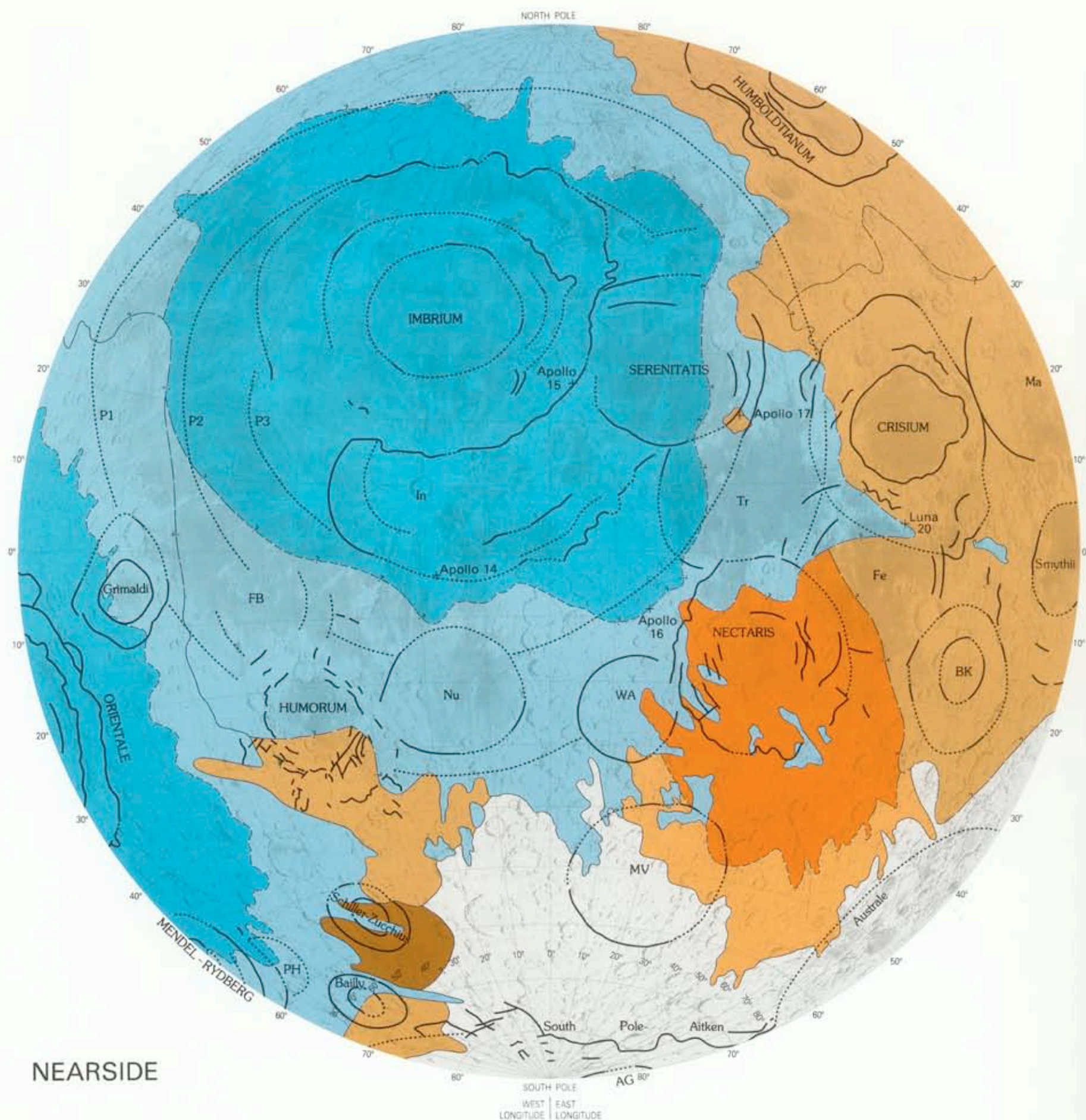
Other Orbiter 1, 2, 3, 5 low-altitude frames; resolution, 10-40 m. Numbers of Orbiter 5 M-frames are inclusive

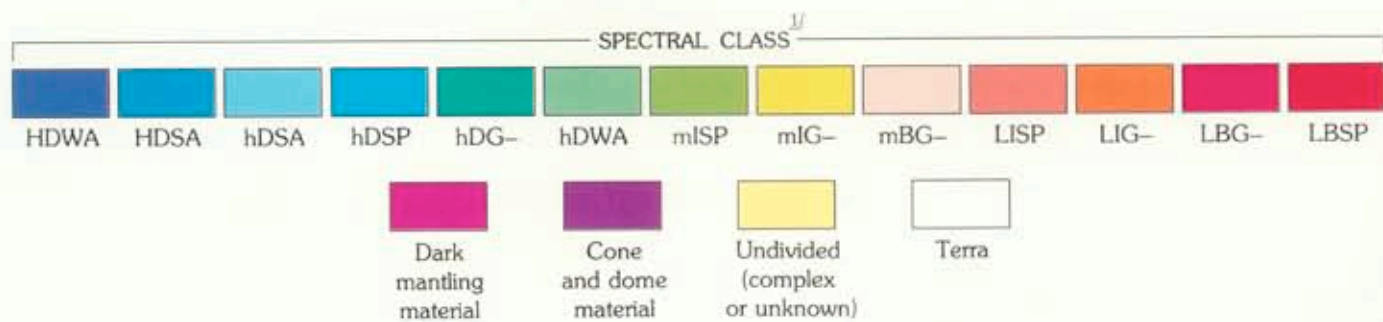
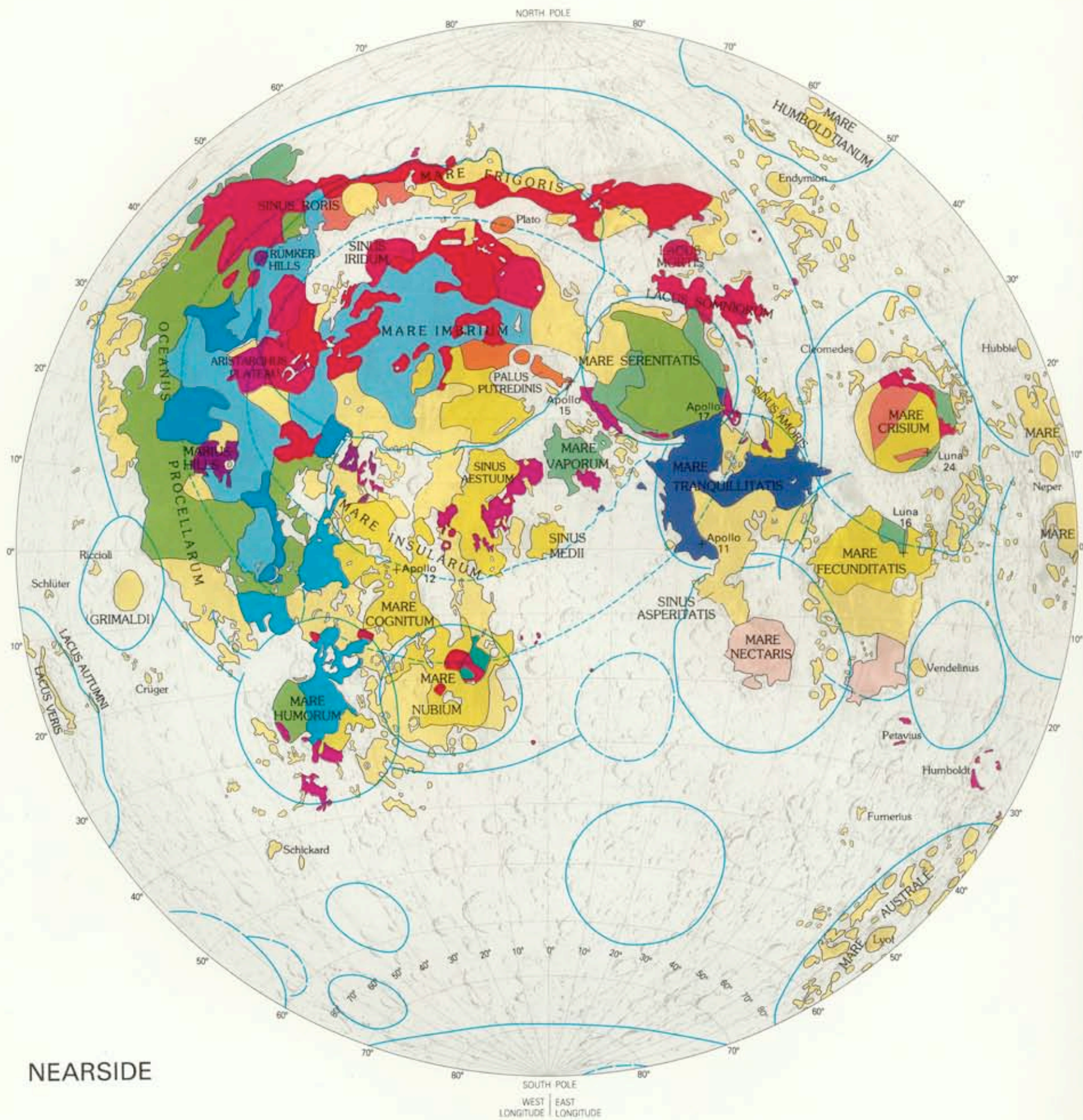
Orbiter 4 low-altitude H-frames, resolution, 60-100 m. Denoted by midpoint; adjacent rows overlap in zone centered on heavy dashed line

Other Orbiter; resolution, 150-300 m

Other Orbiter; resolution, >300 m



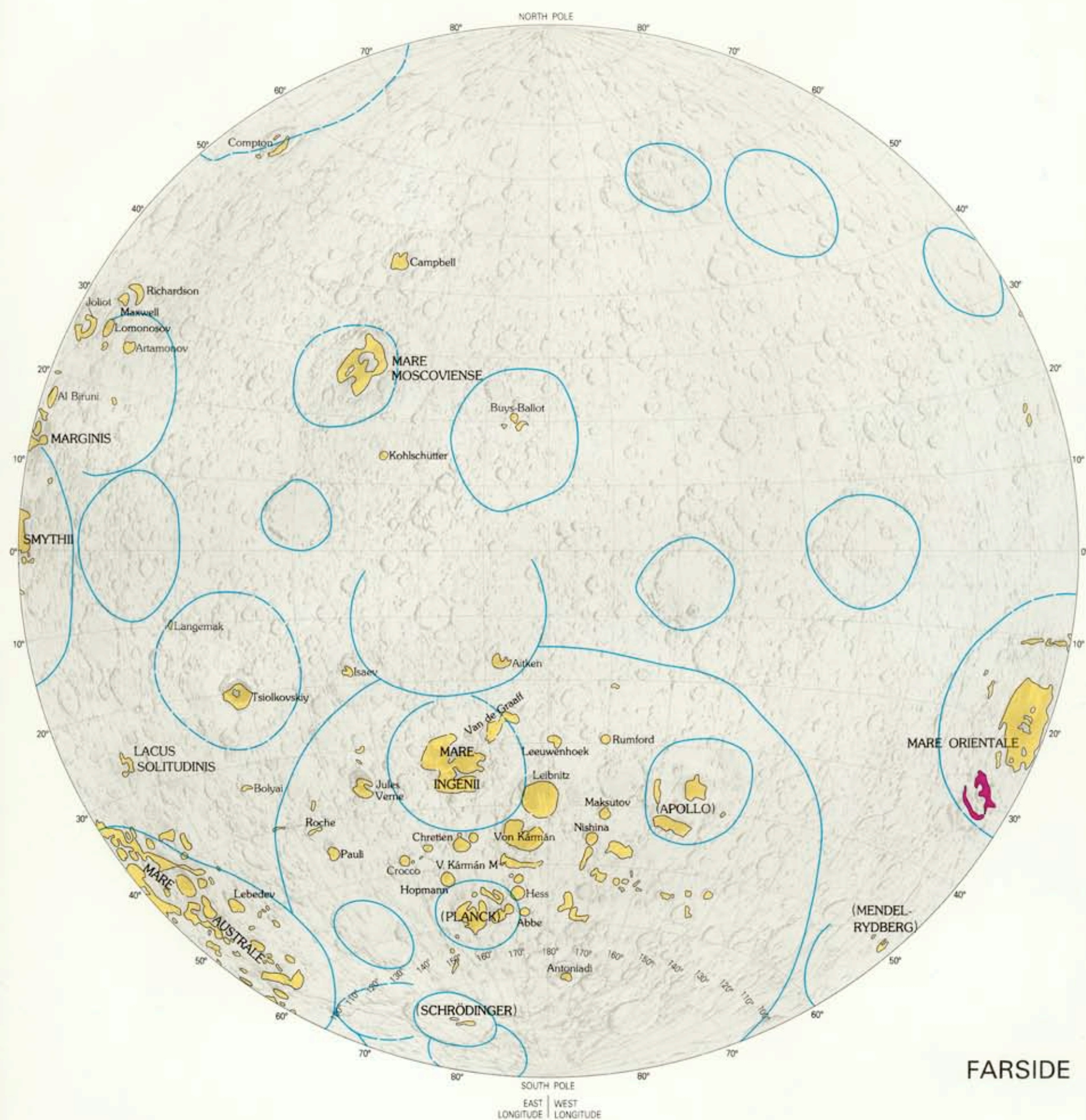




Projection of mare-terra contact beneath younger crater deposits

Basin rim. Dashed where uncertain

Inner ring of Procellarum basin



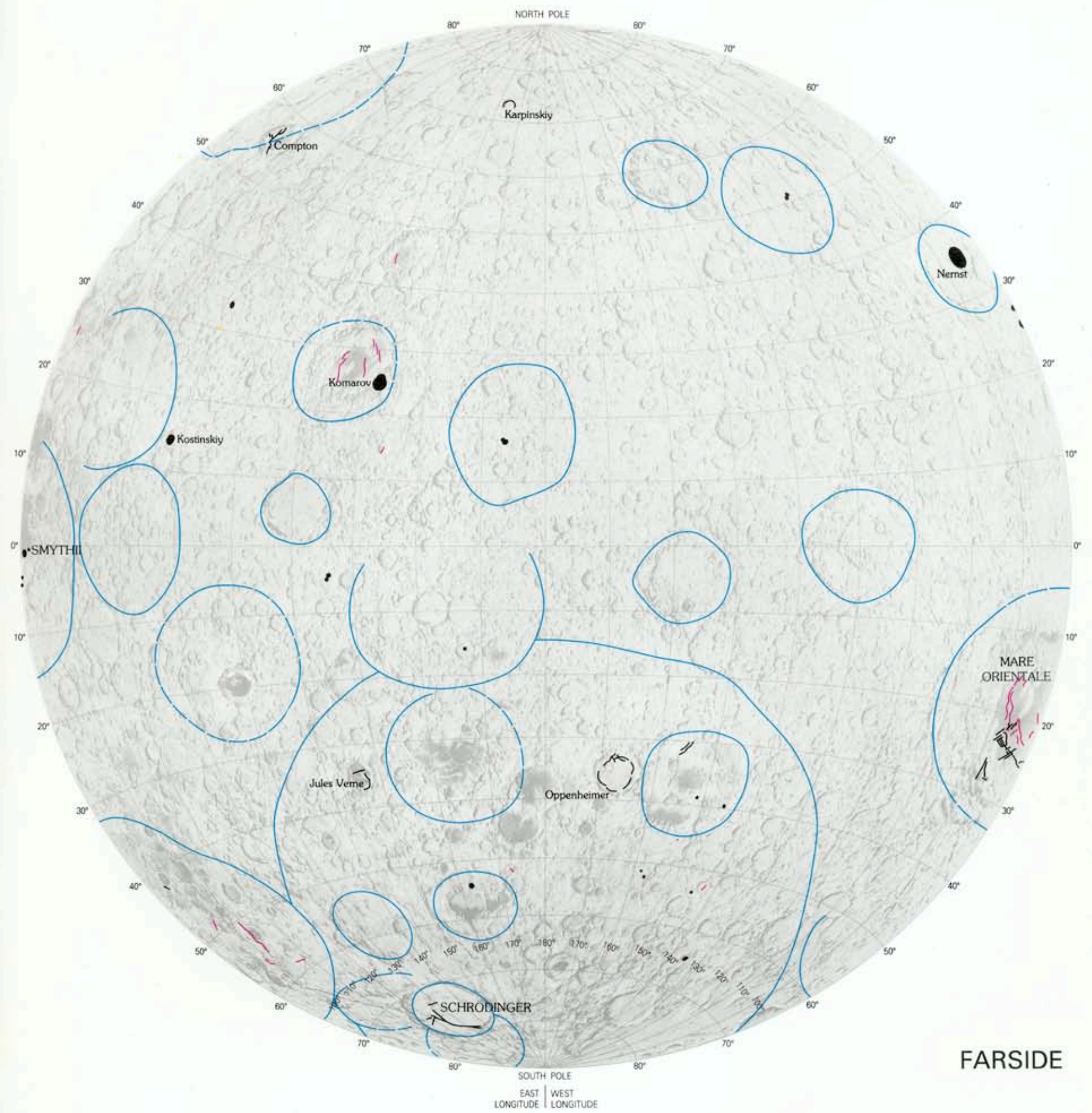
^{1/}NOTE:

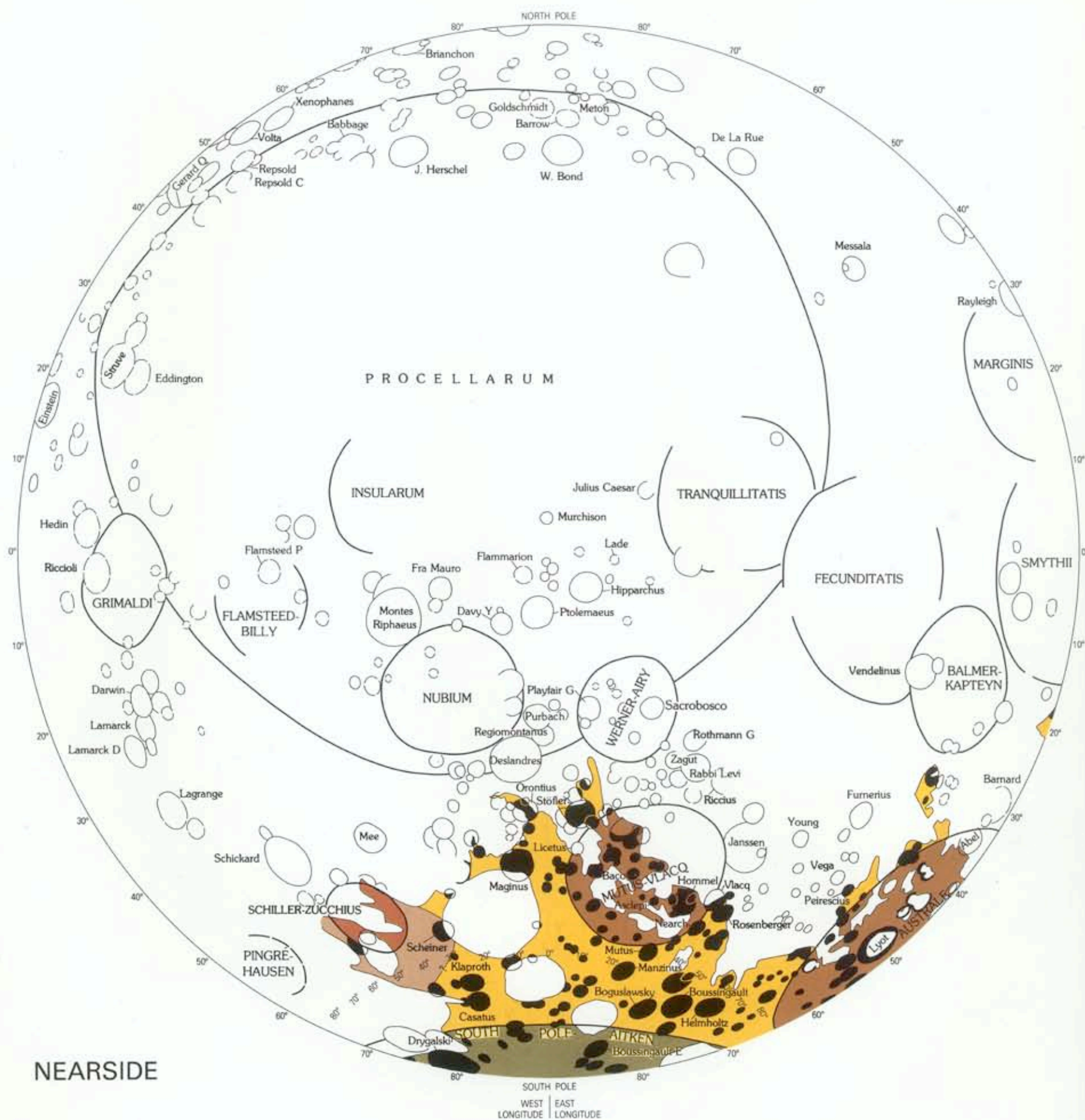
Spectral classes (see table 5.1) from Pieters (1978; see Basaltic Volcanism Study Project, 1981, pl. 2.8), redrawn here on the basis of color-difference image (fig. 5.20). Mare Humorum units from Pieters and others (1975); Mare Crisium units from Head and others (1978a). Lowercase names and names in parentheses refer to basins or craters containing otherwise unnamed maria





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Landing site





-
- Mare ridge
- Fault (mostly graben)
- Fractured crater floor
- Basin rim. Dashed where uncertain
- Inner ring of Procellarum basin





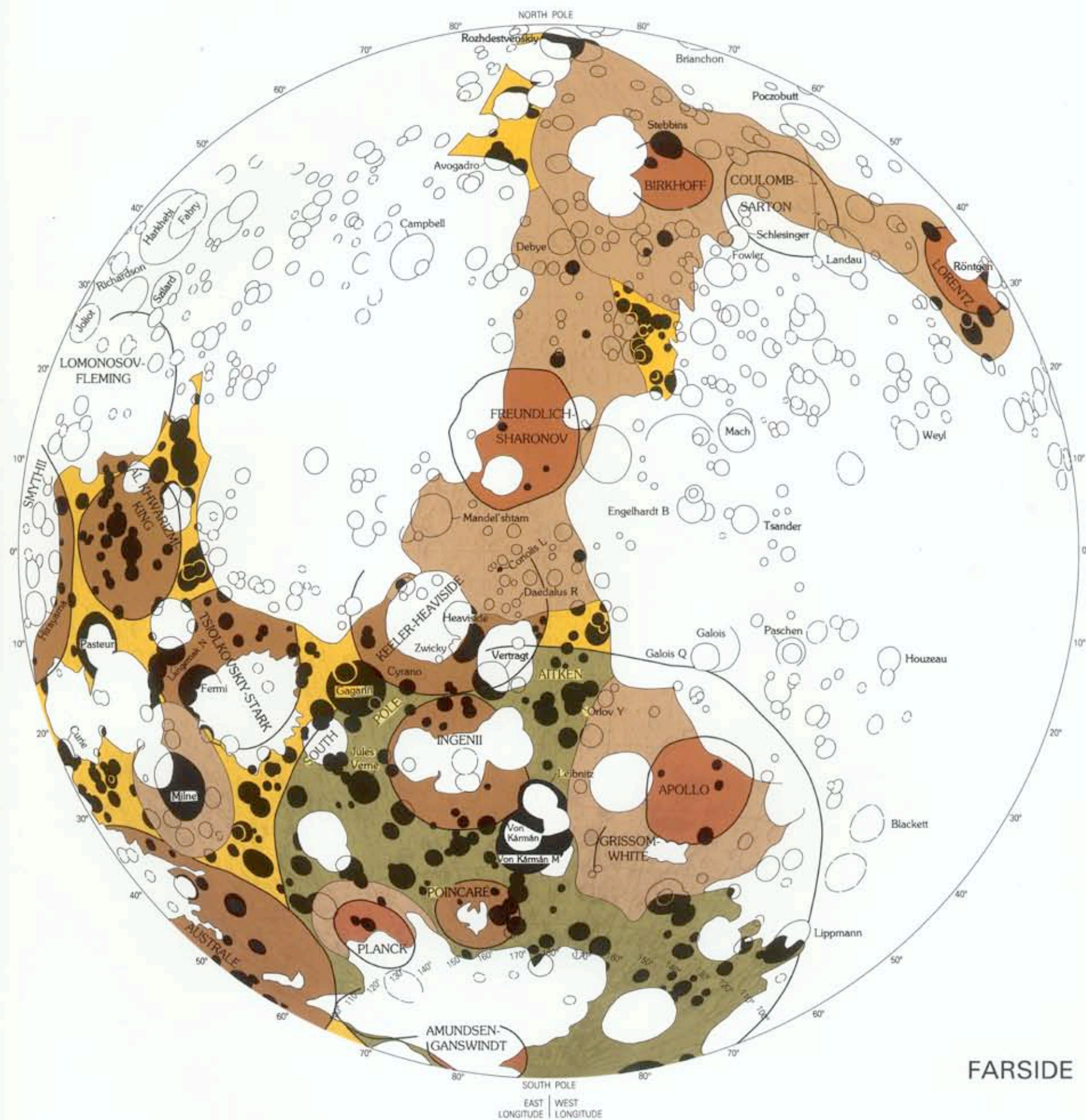


 Nectarian and younger units
 Interior Exterior
 Basin materials, younger groups (6-9)
 Basin interior materials, older groups (2-5)
 Interior materials of South Pole-Aitken basin

 Crater interior materials

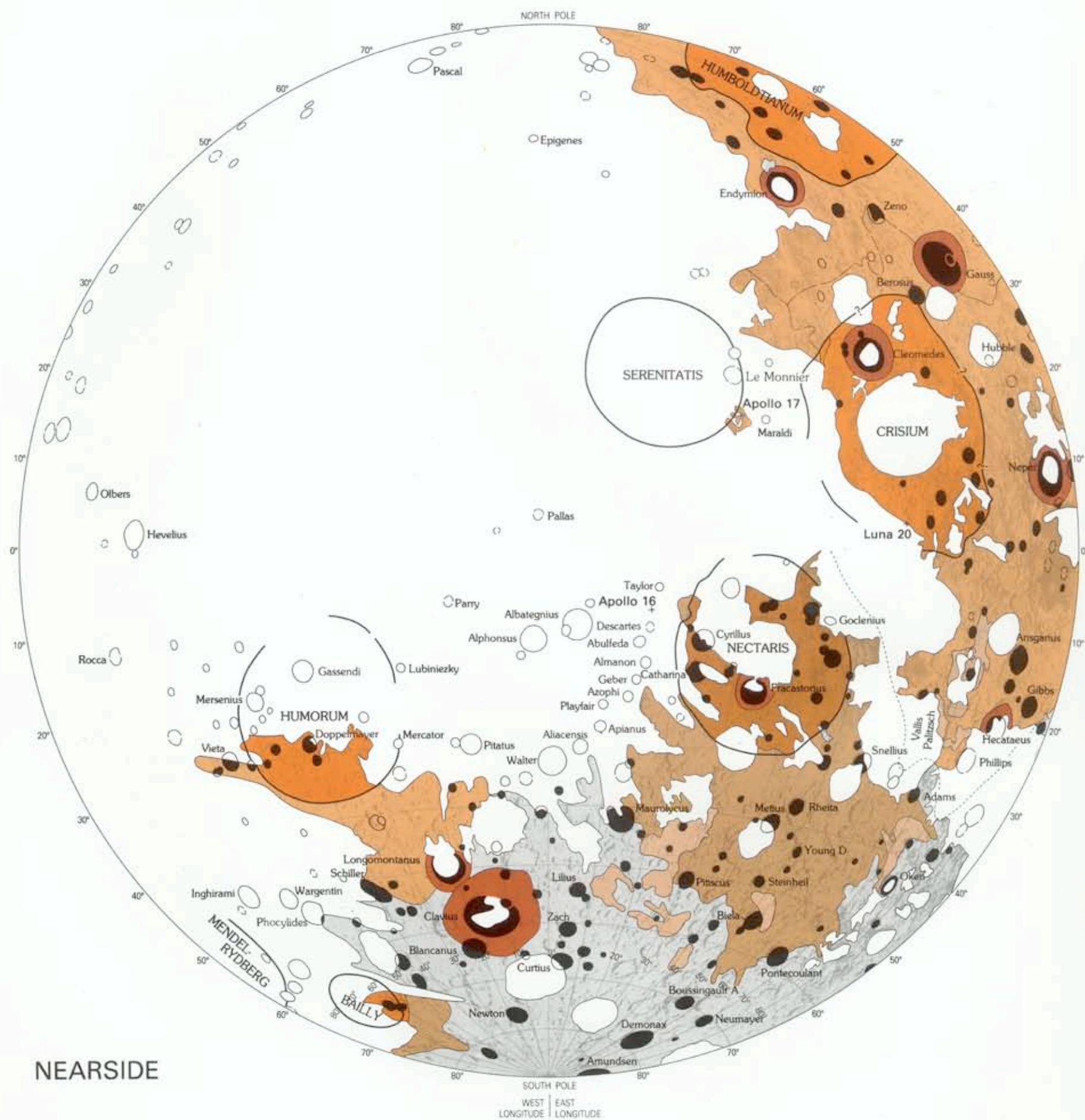
 Inter crater terrane
 Probably consists mostly of crater deposits and undetected basin deposits

 Rim crest of buried crater
 Dashed where possibly Nectarian
 Basin rim

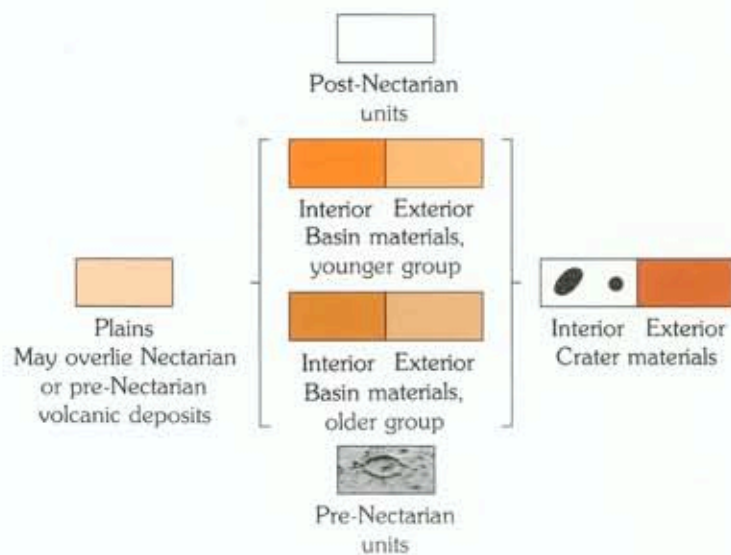


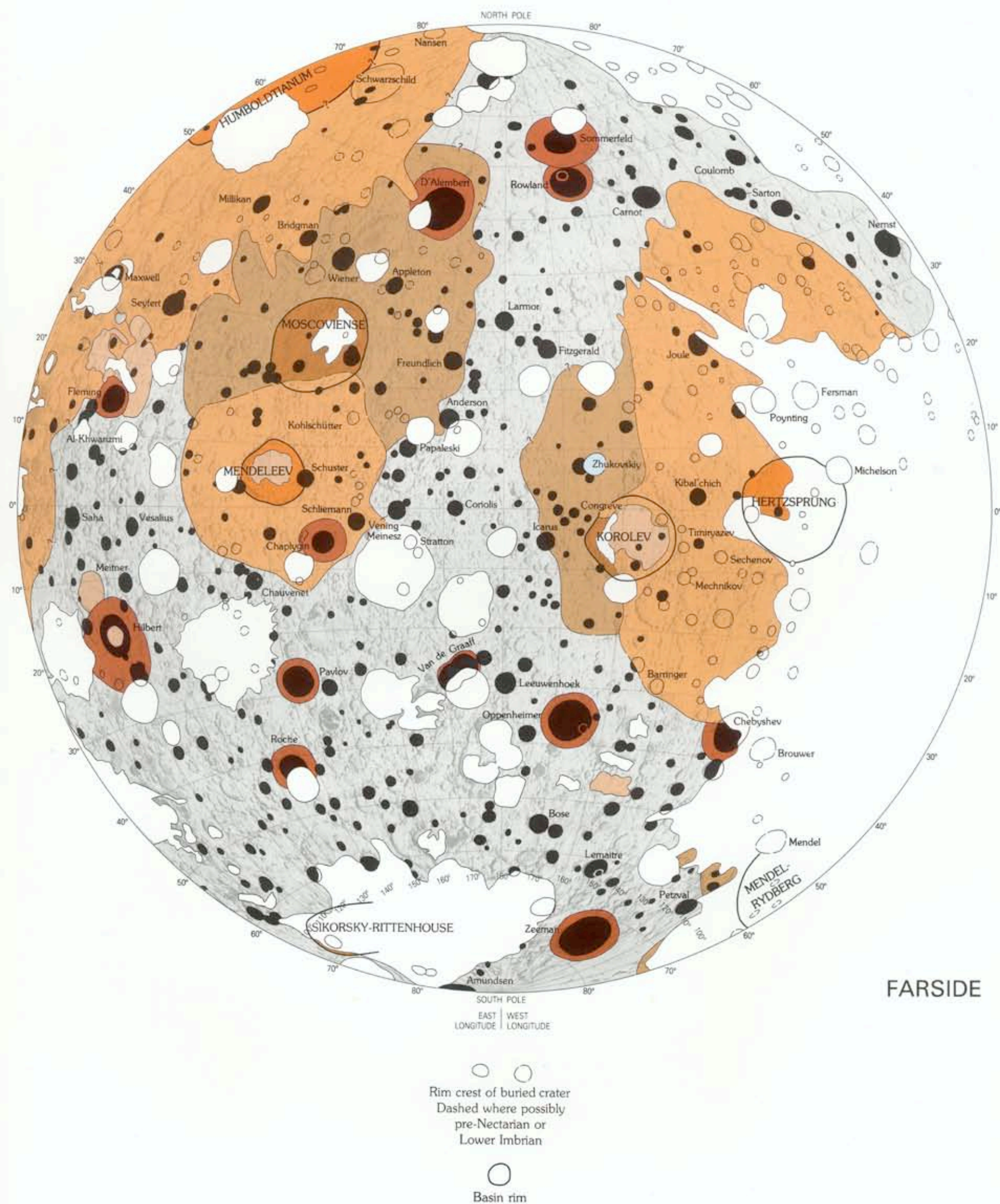
FARSIDE

Plates 6-11 are paleogeologic maps that show units of the indicated age in color, older units only by the shaded-relief base, and younger units by blank areas. Exterior basin and crater deposits that are sufficiently well expressed to display stratigraphic relations with other units are mapped; divided where possible into near-rim deposits consisting of thick primary ejecta and outer discontinuous deposits including secondary craters and their ejecta, small patches of plains, terra-mantling material, and lineate ejecta. Craters >30 km in diameter are mapped; exterior deposits mapped around craters >120 km (pl. 7) or >60 km (pls. 8-11) in rim-crest diameter. Basin-interior materials (pls. 6-8) include massifs, knobby ejecta, and impact-melt plains. Number of superposed craters varies with age of underlying basin; number of visible buried craters varies with thickness of overlying deposit and with age of the substrate.

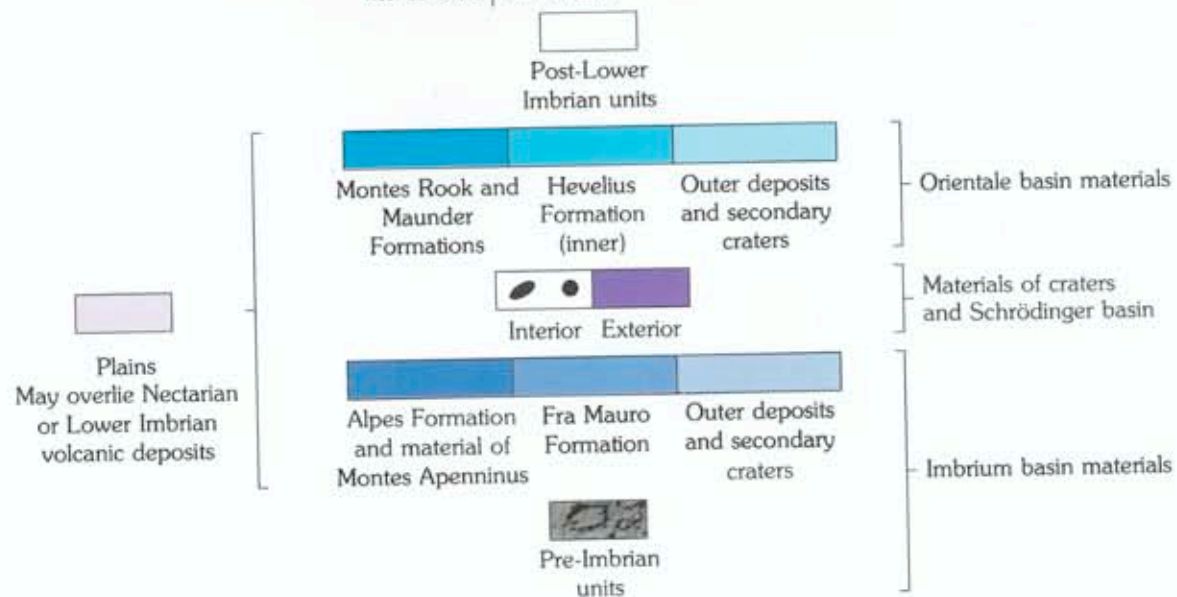
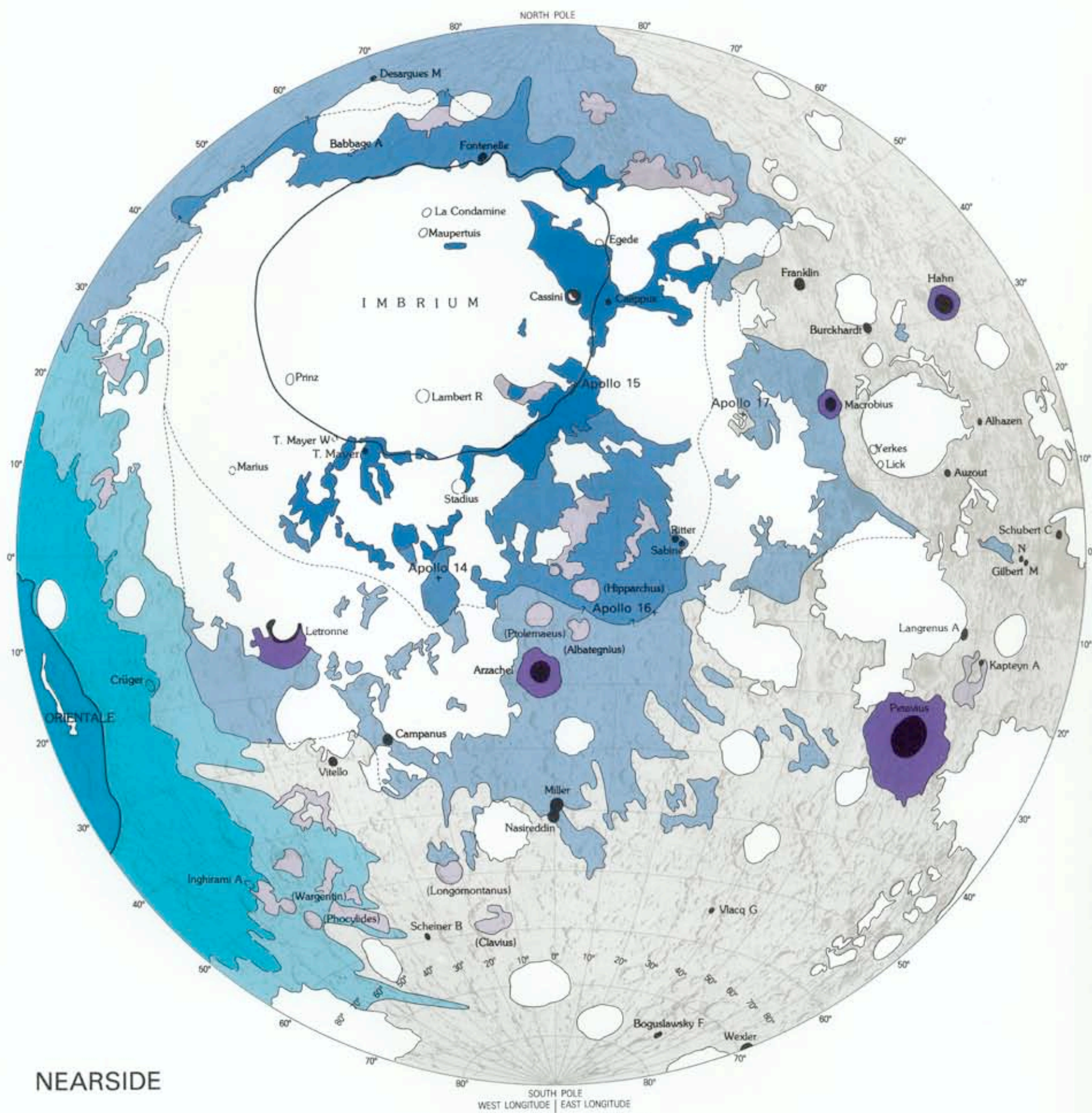


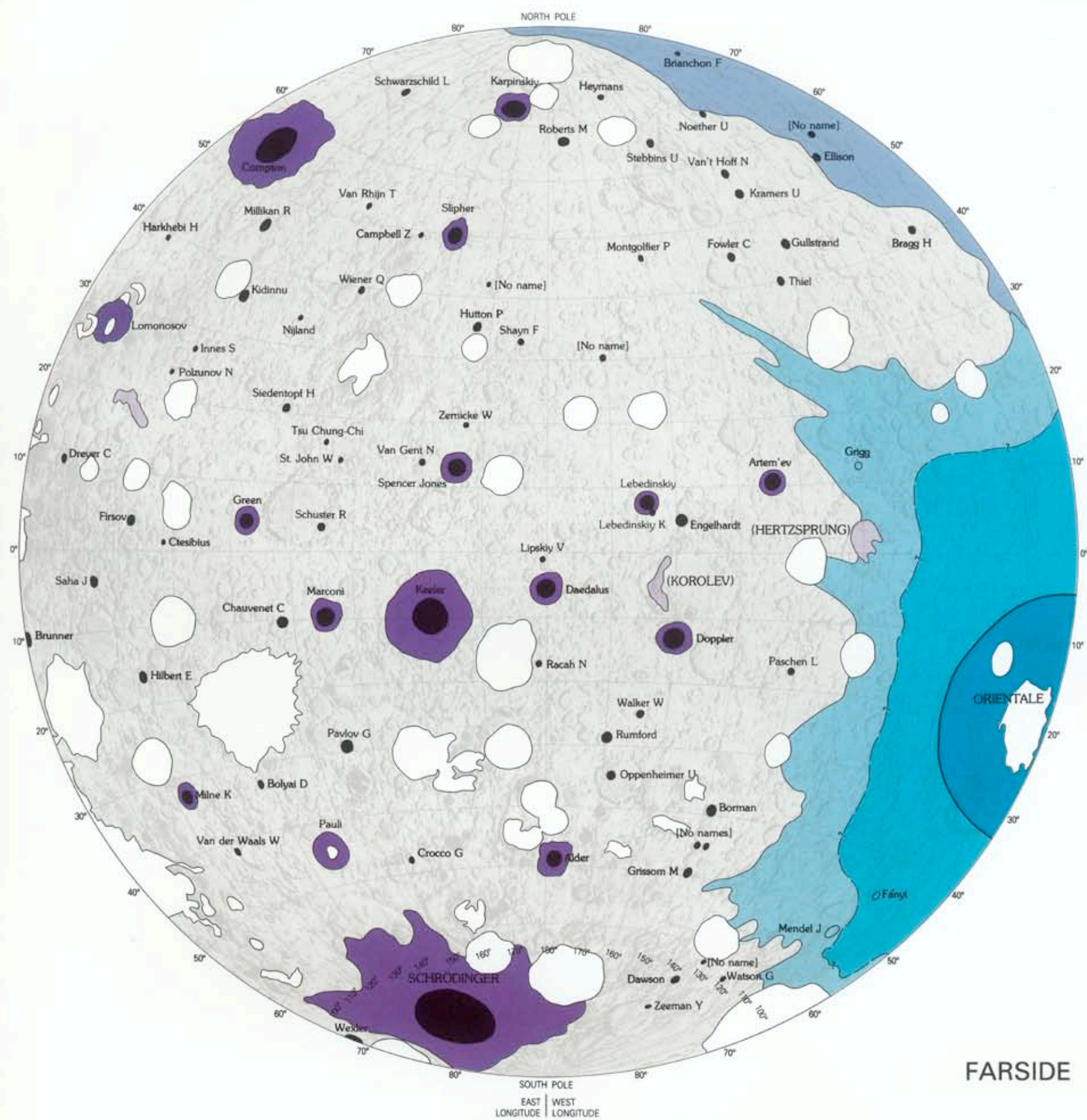
NEARSIDE





FARSIDE





Rim crest of buried crater
Dashed where possibly Nectarian or Upper Imbrian


Basin rim

Buried contact
location inferred

Note:

Pre-Imbrian basins (capitals) and craters (lowercase) containing otherwise unnamed plains patches are named in parentheses

Shaded-relief base by J. L. Inge, U.S. Geological Survey; reproduced by courtesy of the National Geographic Society.




Post-Imbrian
Units

—Younger→

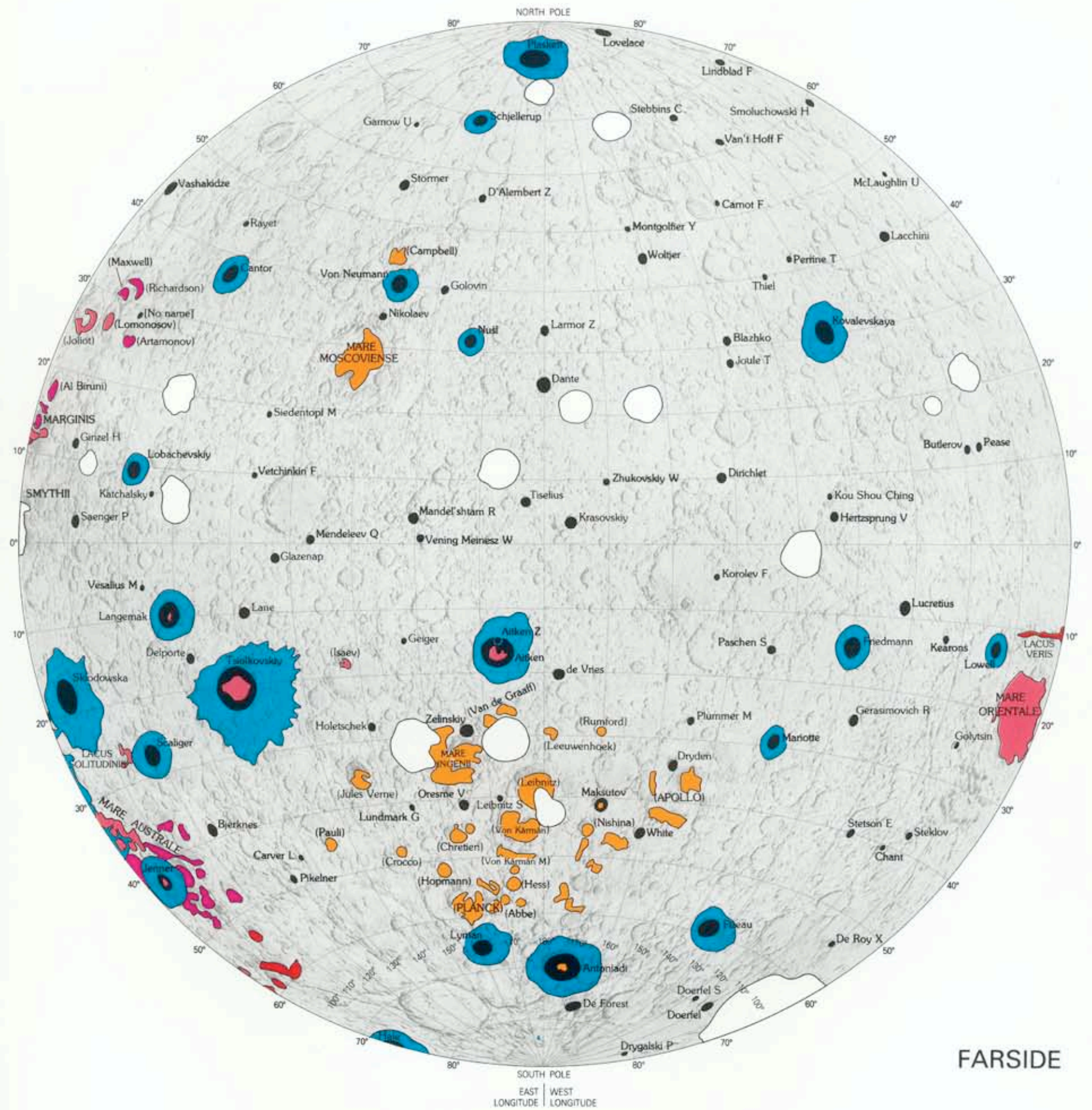
Undivided

Mare basalt

Volcanic province Interior Exterior
Crater materials



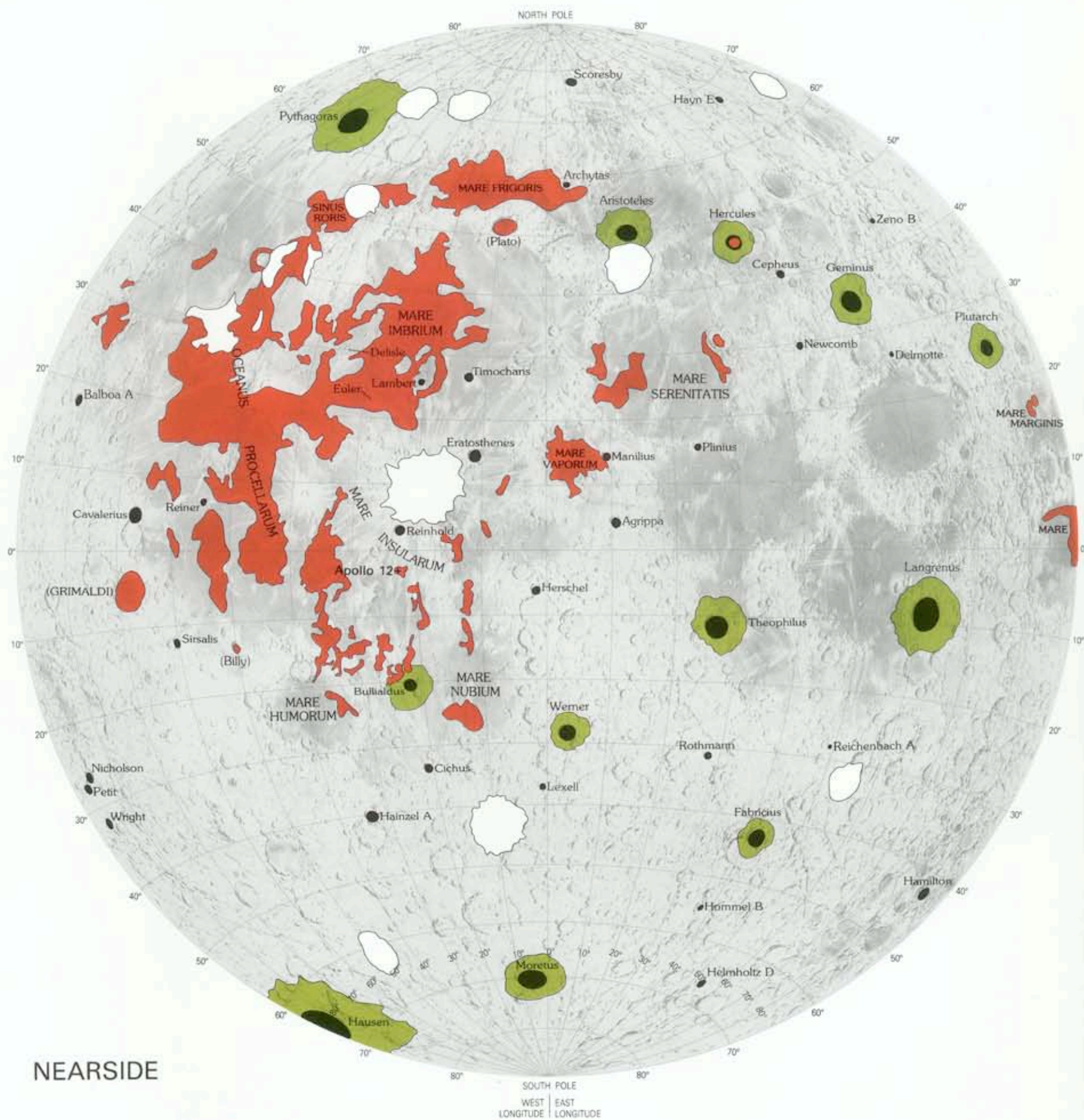
Pre-Upper
Imbrian units



FAR SIDE

NOTE:

Mare mapping preliminary (pls. 9-12); contacts generalized from plate 4; small patches omitted; ages on central farside from Walker and El-Baz (1982). Volcanic provinces include numerous domes, cones, and dark-mantling deposits; other dark-mantling deposits are not shown (see pl. 4). Pre-Late Imbrian basins (capitals) and craters (lowercase) containing otherwise unnamed mare patches are named in parentheses.



NEARSIDE

Post-Eratosthenian
units

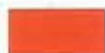
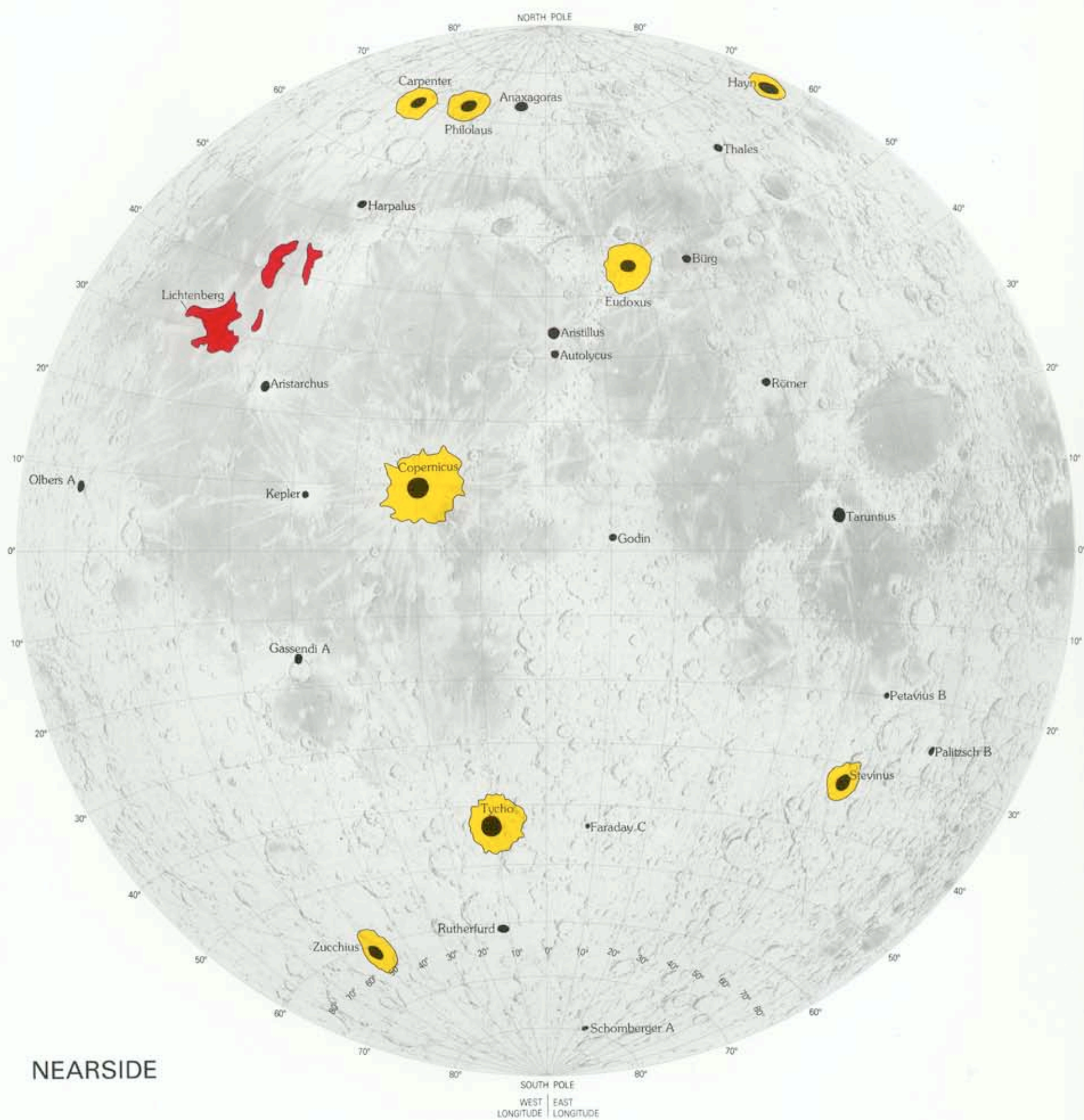
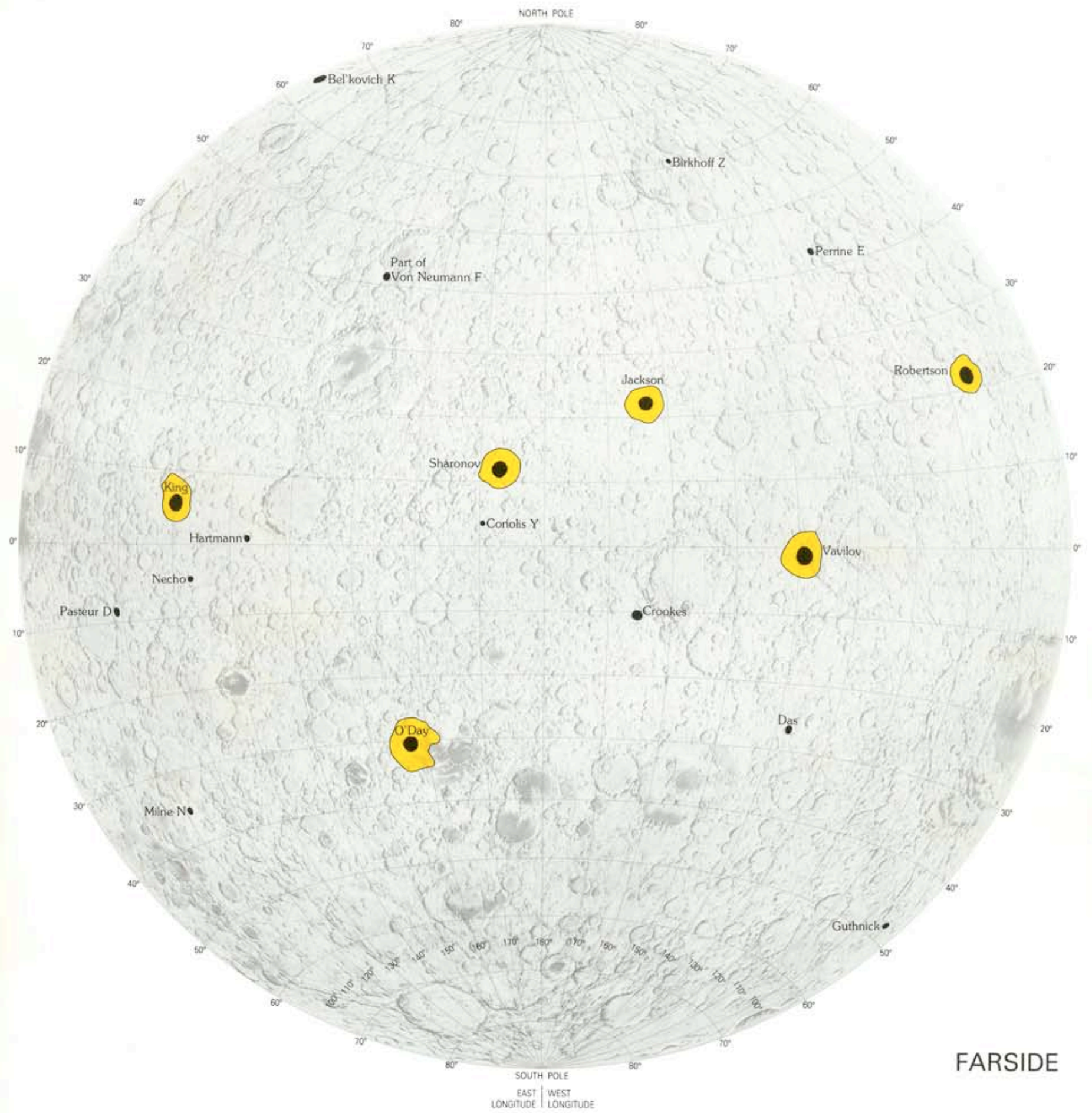
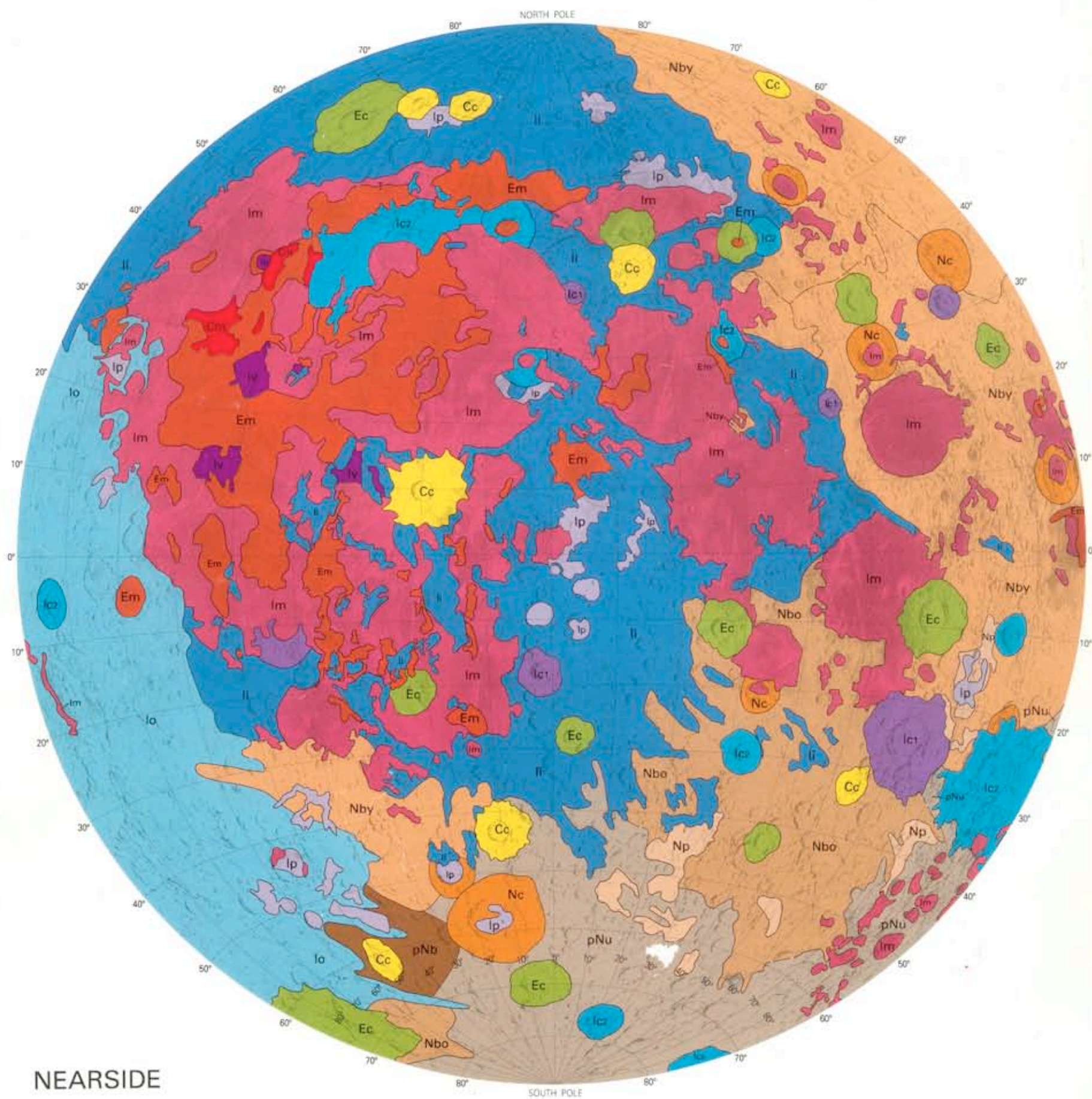
Mare
basaltInterior
Crater materialsPre-Eratosthenian
units

PLATE 11. COPERNICAN SYSTEM



NEARSIDE





NEARSIDE

WEST LONGITUDE | EAST LONGITUDE

System	Unit	Material Type
COPERNICAN SYSTEM	Cls	Mare basalt
	Cc	Crater material
ERATOSTHENIAN SYSTEM	Em	Mare basalt
	Ec	Crater material
IMBRIAN SYSTEM	Im	Mare basalt
	Iv	Volcanic province
	Icz	Crater material
IMBRIAN SYSTEM (Lower)	Io	Oriente-basin material
	Ici	Crater material (including Schrödinger basin)
	Ii	Imbrium-basin material
NECTARIAN SYSTEM	Np	Plains material
	Nc	Crater material
PRE-NECTARIAN SYSTEM	Nby	Younger basin material
	Nbo	Older basin material
	pNb	Basin material (including Milne)
PRE-NECTARIAN SYSTEM	pNu	Undivided material
	Ip	Plains material

