

Appendix C - Archetypal Examples of All Crater Interior Morphologies

This Appendix contains archetypal examples of several of the crater interior morphologies that are included in this database. In some cases, a single image is used to display multiple morphologies as described in the figure captions.

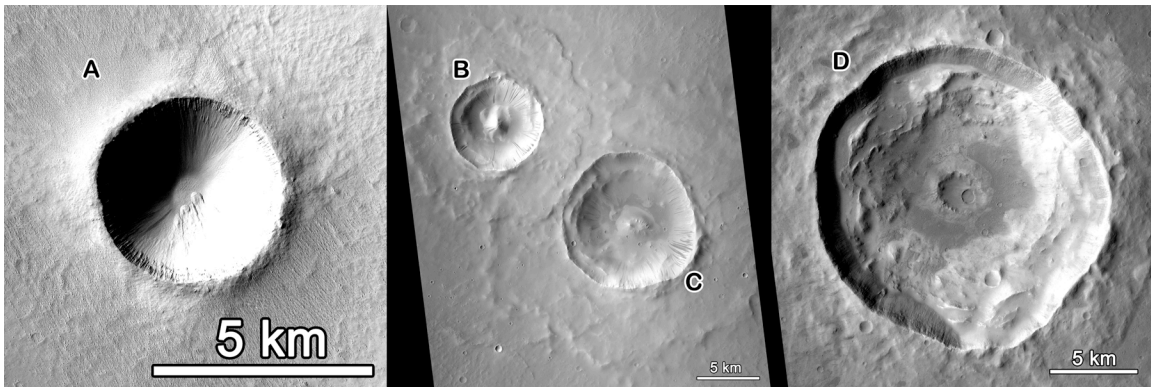


Figure 61: Basic crater morphologies used in the first morphology column; scale bar is 5 km in all examples. Imagery is from CTX (Malin *et al.*, 2007). (A) is a basic simple crater with some "slump deposits" along the southeast side (CTX image P19_008619_1840_XI_04N152W). (B) is a complex, central peak crater, while (C) is a complex summit pit crater; both have terraced walls (CTX image B02_010379_1846_XN_04N325W). (D) is a larger complex crater with a central pit and wall terraces; it also has some "slump deposits" from the walls onto the floor of the crater (CTX image B02_010554_1869_XN_06N063W).

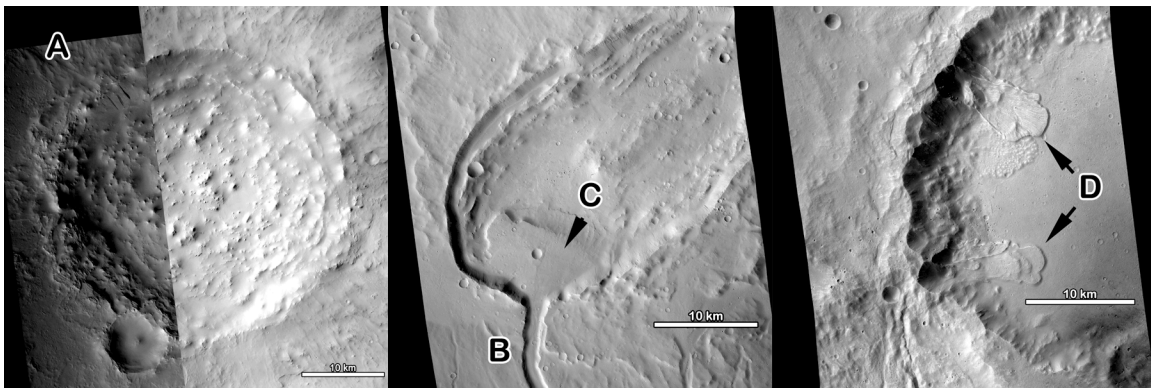


Figure 62: Select floor and wall morphologies; scale bar is 10 km in all examples. Imagery is from CTX (Malin *et al.*, 2007). (A) is a crater floor with heavy deposits ("floor deposits" in the third column) that would have a first morphology column label of CpxUnc (complex, unclassifiable) (CTX mosaic from P07_003799_1961_XN_16N311W and P19_008282_1982_XN_18N311W). An example of a channel breaching the crater wall is (B) and (C) is "valley deposits" on the crater floor of Rahe Crater (CTX image B04_011399_2045_XN_24MN097). (D) shows an example of "landslide deposits" (CTX image G02_018952_1919_XI_11N021W).