

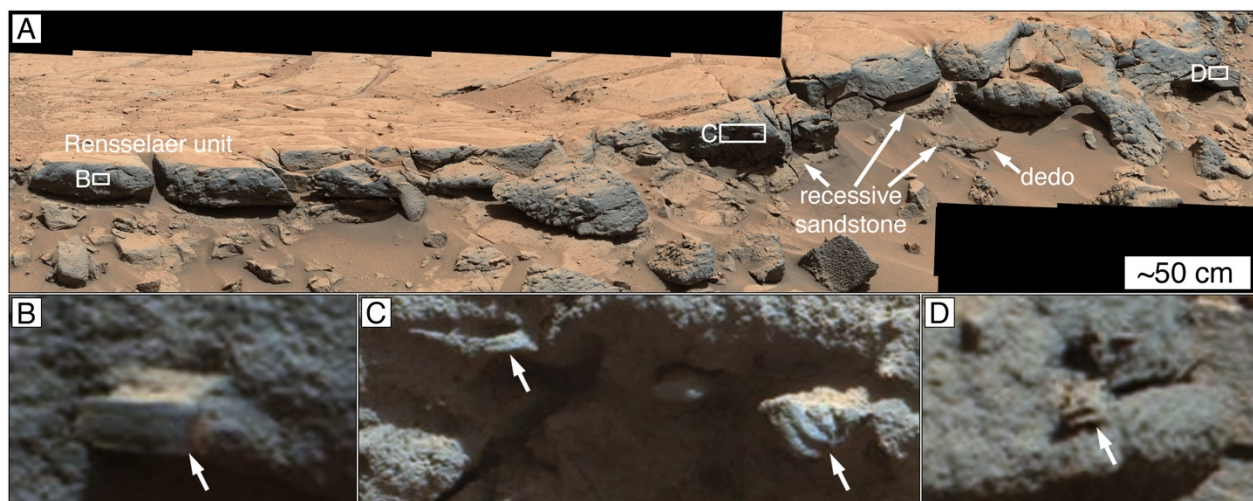
## Supplement S7

### Additional Examples of Sedimentary Rock Fragments in the Outcrop at Cooperstown

#### Extraformational sediment recycling on Mars

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#### ADDITIONAL EXAMPLES OF SEDIMENTARY ROCK FRAGMENTS IN THE OUTCROP AT COOPERSTOWN



**Figure S7-1.** Additional examples of sedimentary rock fragments in the Rensselaer unit sandstone at Cooperstown. **(A)** Broad view of the Cooperstown outcrop, to the right (north) of the area shown in **Figure 11B (in main paper)**. A dedo (rock protrusion tipped by a pebble; cf. Laity, 2011) indicates the power of aeolian erosion, particularly of the underlying recessive sandstone. **(B)** Layered pebble in the dark gray Rensselaer unit. **(C)** Layered pebble, expressed as “stair steps” (right arrow). **(D)** Platy clast split laterally down its middle, perhaps an indicator of layering. Image identifiers: **(A)** Portion of Sol 440 Mastcam-100 (sequence mcam01795) mosaic. **(B–D)** Portions of Sol 440 Mastcam-100 (sequence mcam01795) mosaic.

**REFERENCES CITED IN THIS SUPPLEMENT**

Laity, J.E., 2011, Wind erosion in drylands, Chapter 21 *in* Thomas, D.S.G., ed., *Arid Zone Geomorphology: Process, Form and Change in Drylands* (3rd edition): West Sussex, UK, Wiley-Blackwell, p. 539–568, <https://doi.org/10.1002/9780470710777.ch21>.