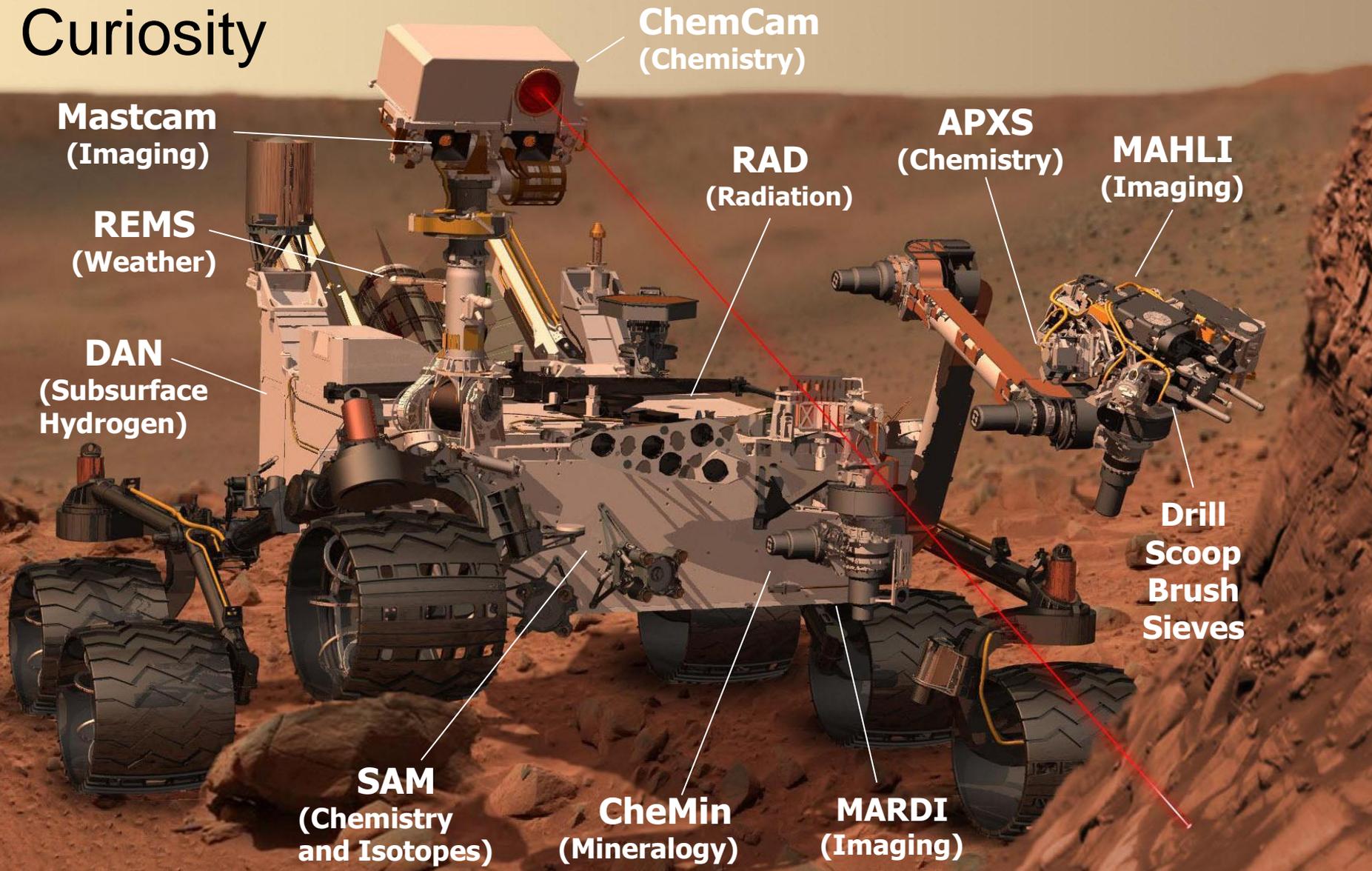


Cruisin' With Curiosity (and archiving)

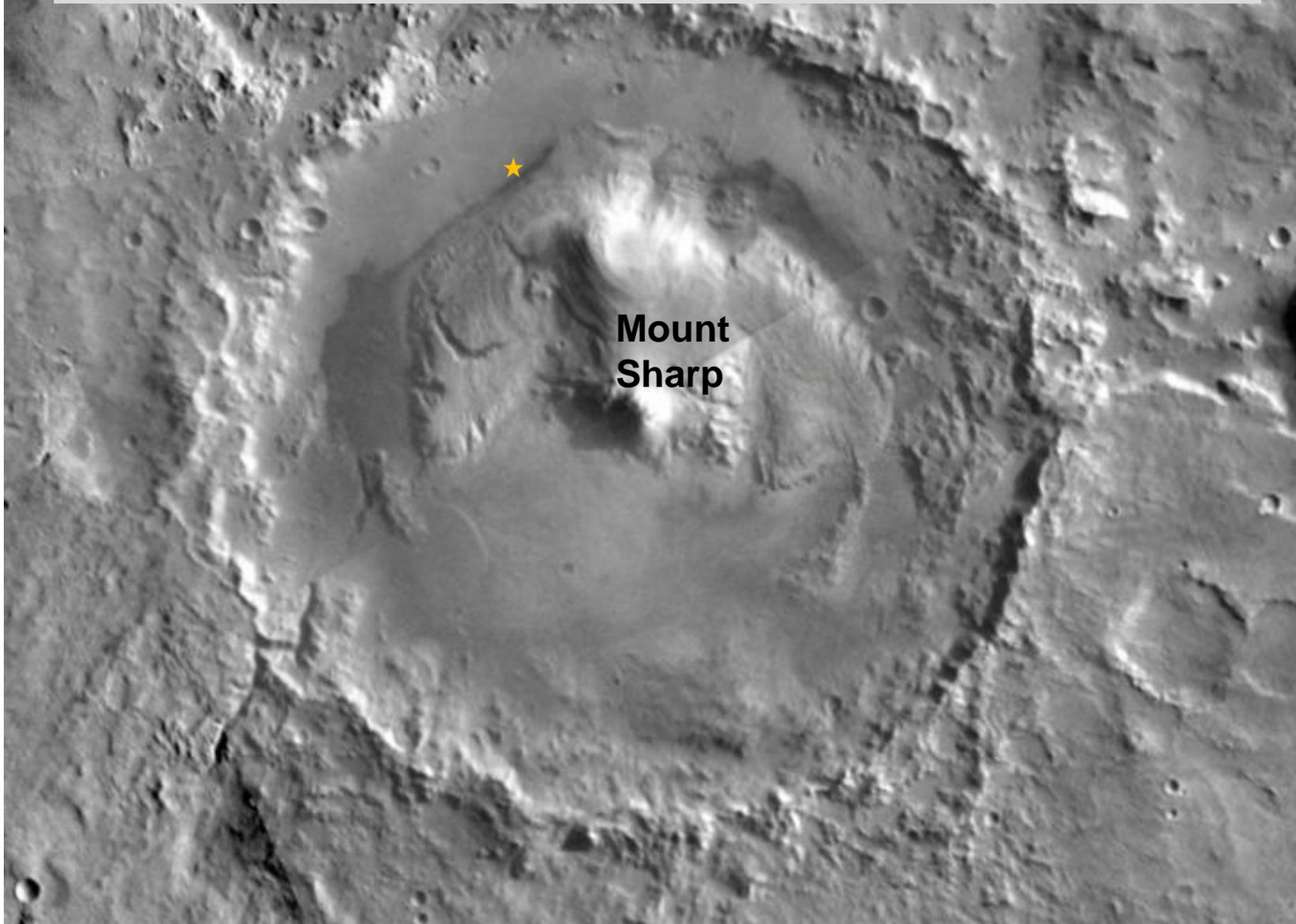
Ray Arvidson and Susie Slavney

04/03/13

Curiosity

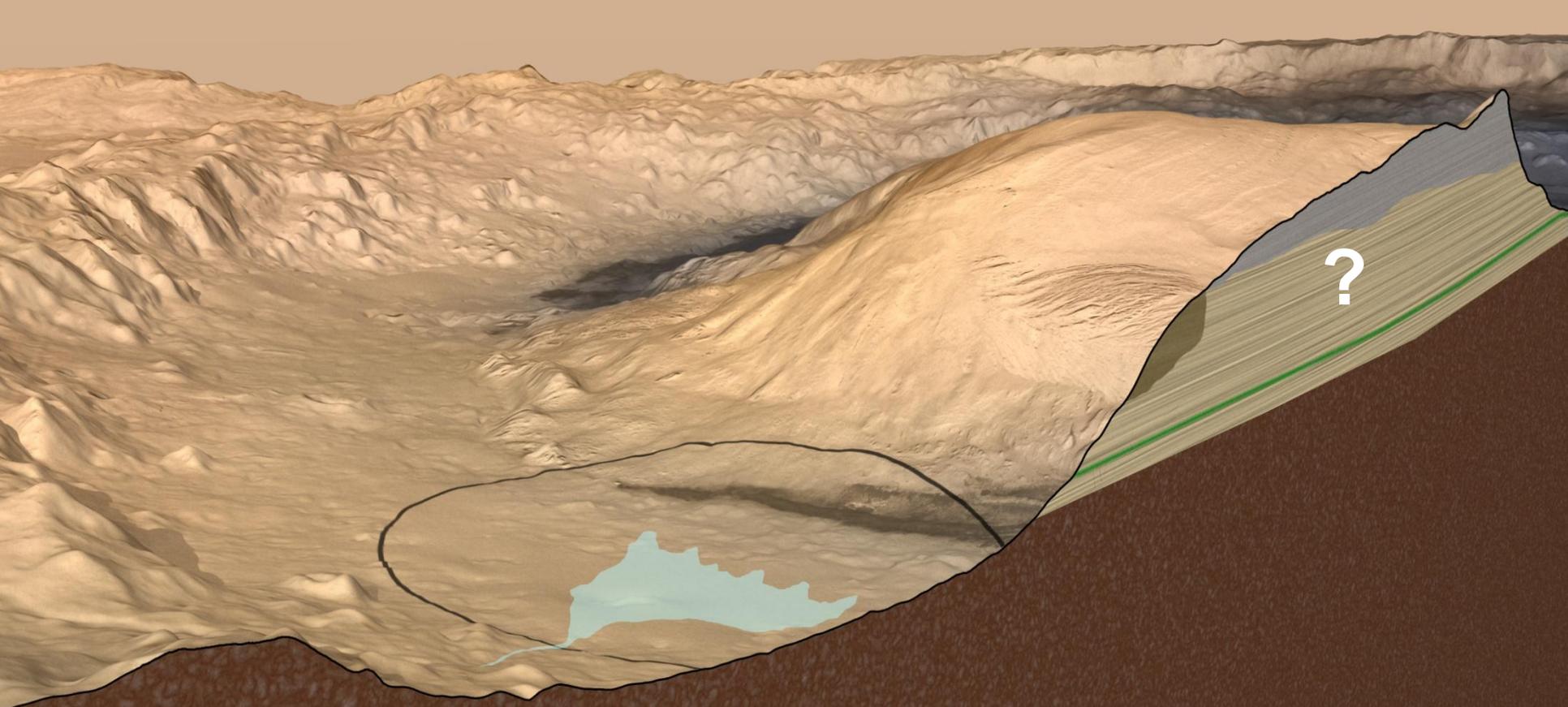


Curiosity's Landing Site from Orbit

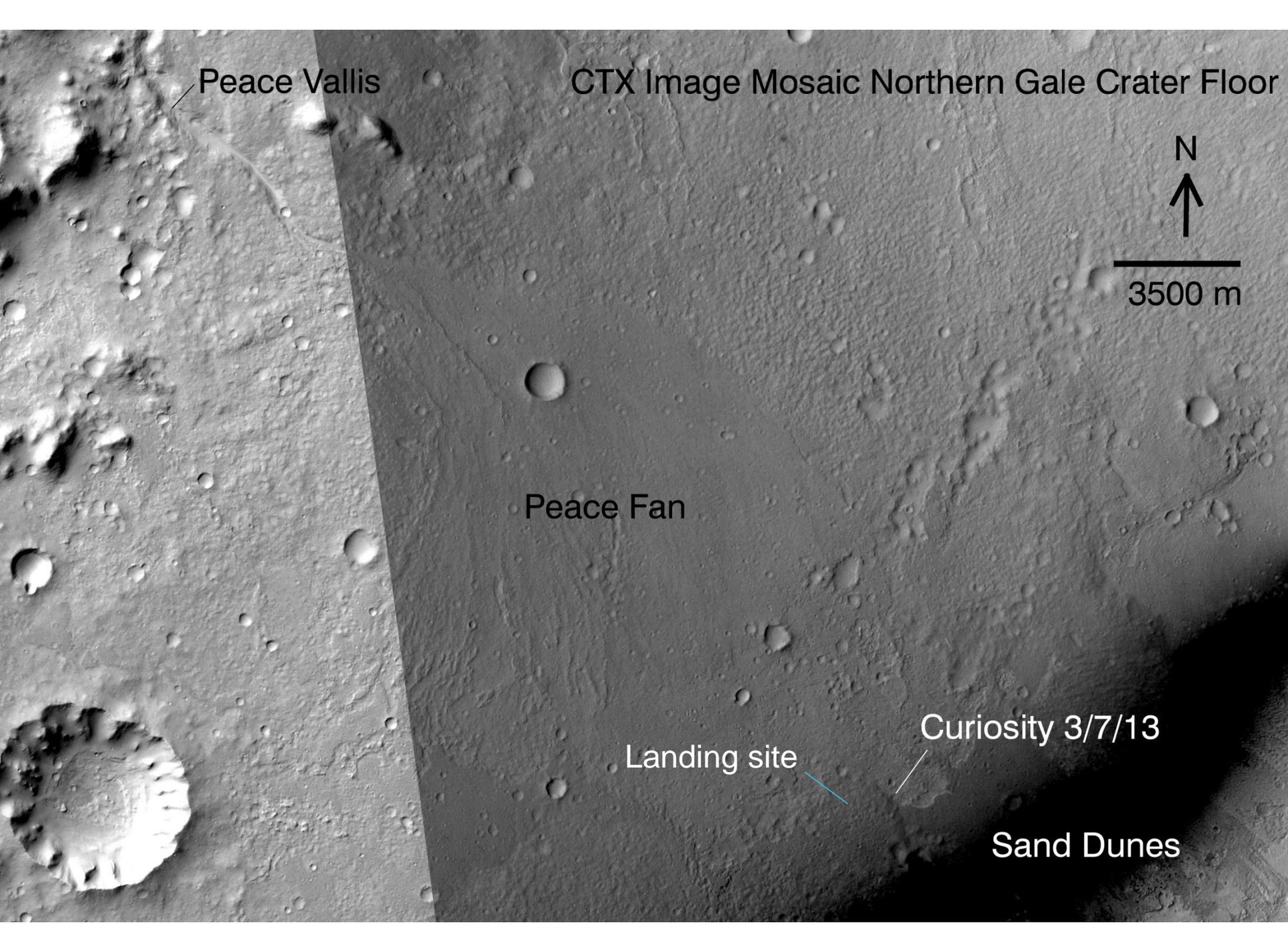


Mount
Sharp

Mars digital image model (MDIM) mosaic, ~230 m/pixel



150-km Gale Crater contains a 5-km high mound of stratified rock. Strata in the lower section of the mound vary in mineralogy and texture, suggesting that they may have recorded environmental changes over time. Curiosity will investigate this record for clues about habitability, and the ability of Mars to preserve evidence about habitability or life.



CTX Image Mosaic Northern Gale Crater Floor

Peace Vallis



3500 m

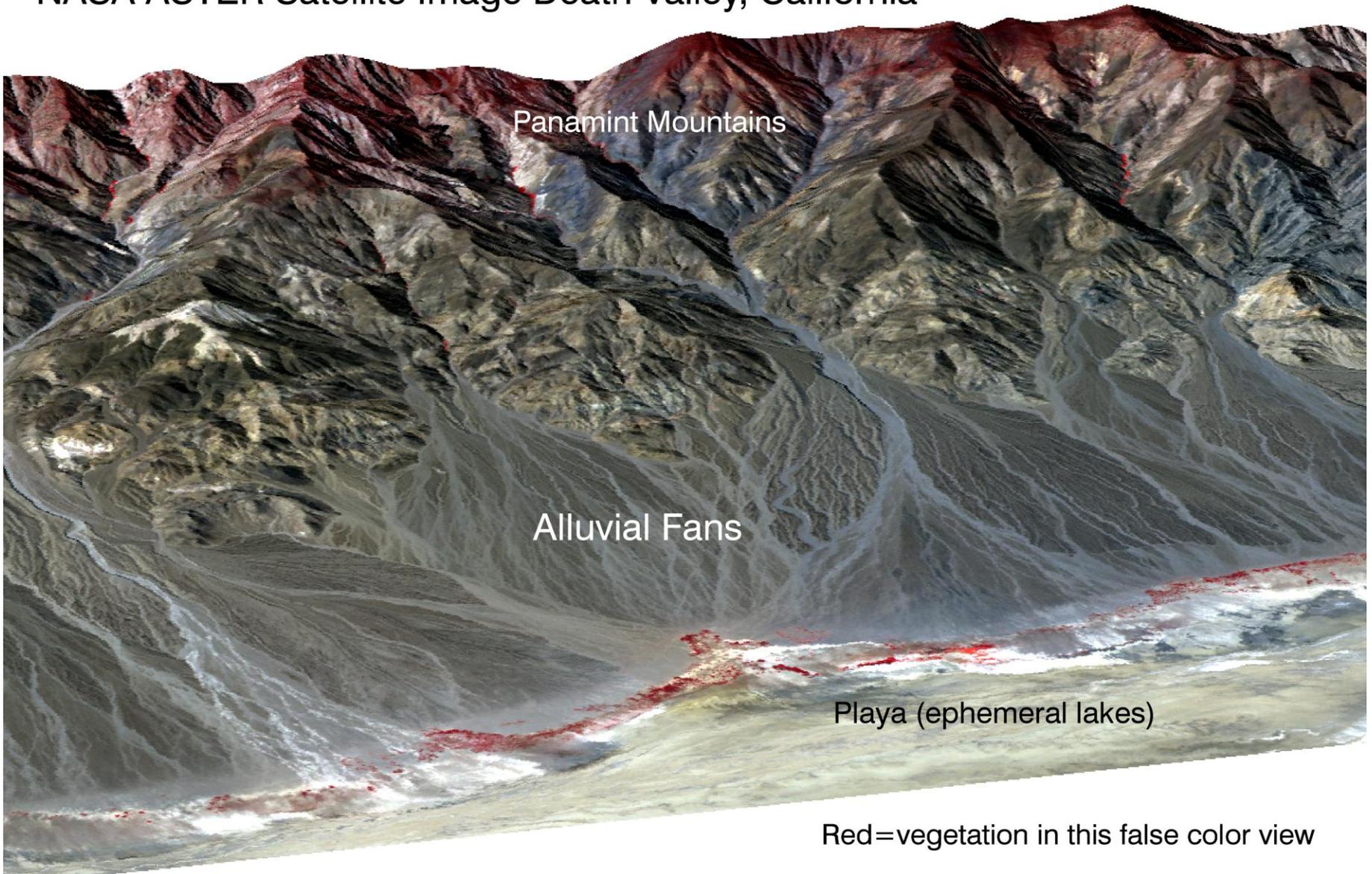
Peace Fan

Curiosity 3/7/13

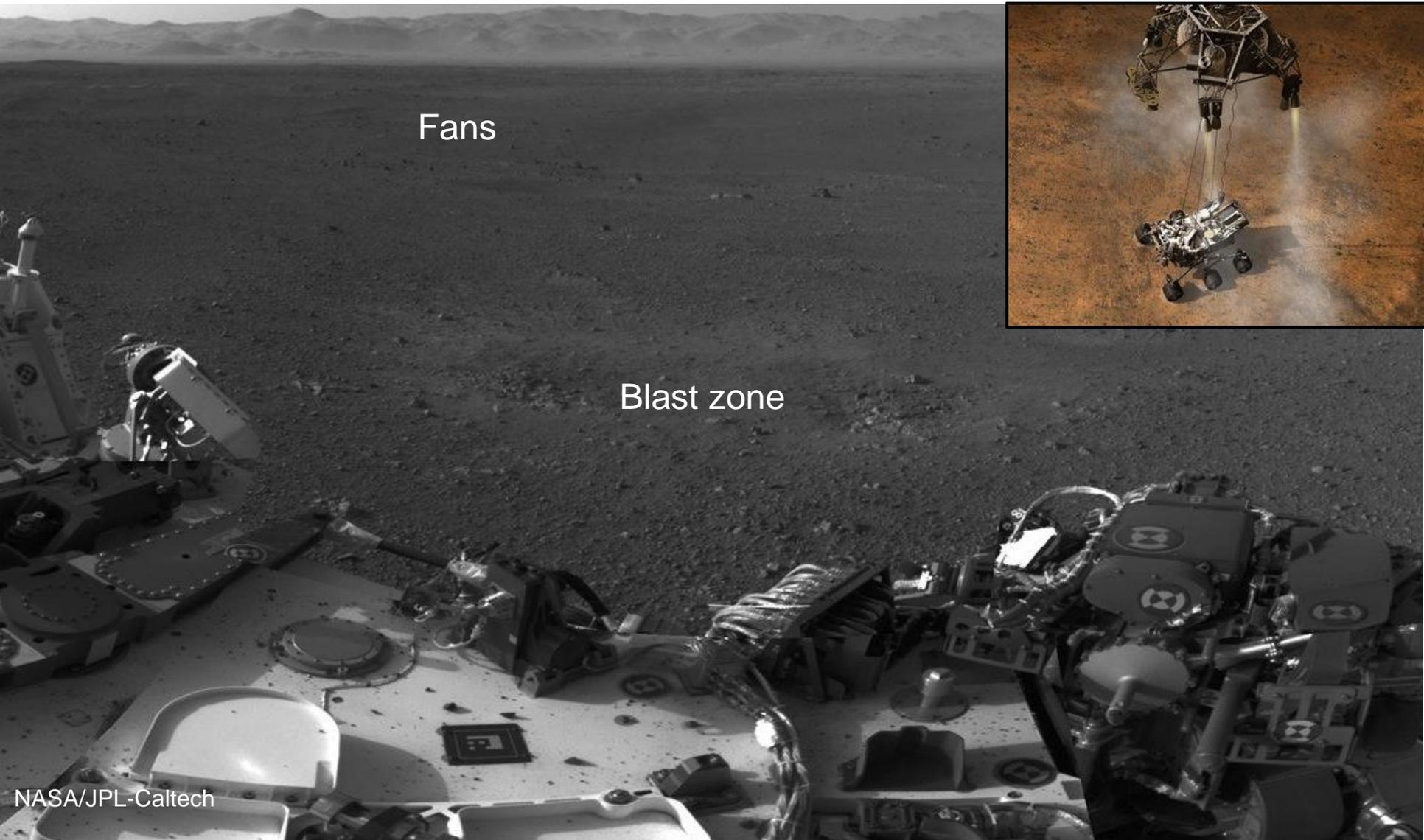
Landing site

Sand Dunes

NASA ASTER Satellite Image Death Valley, California



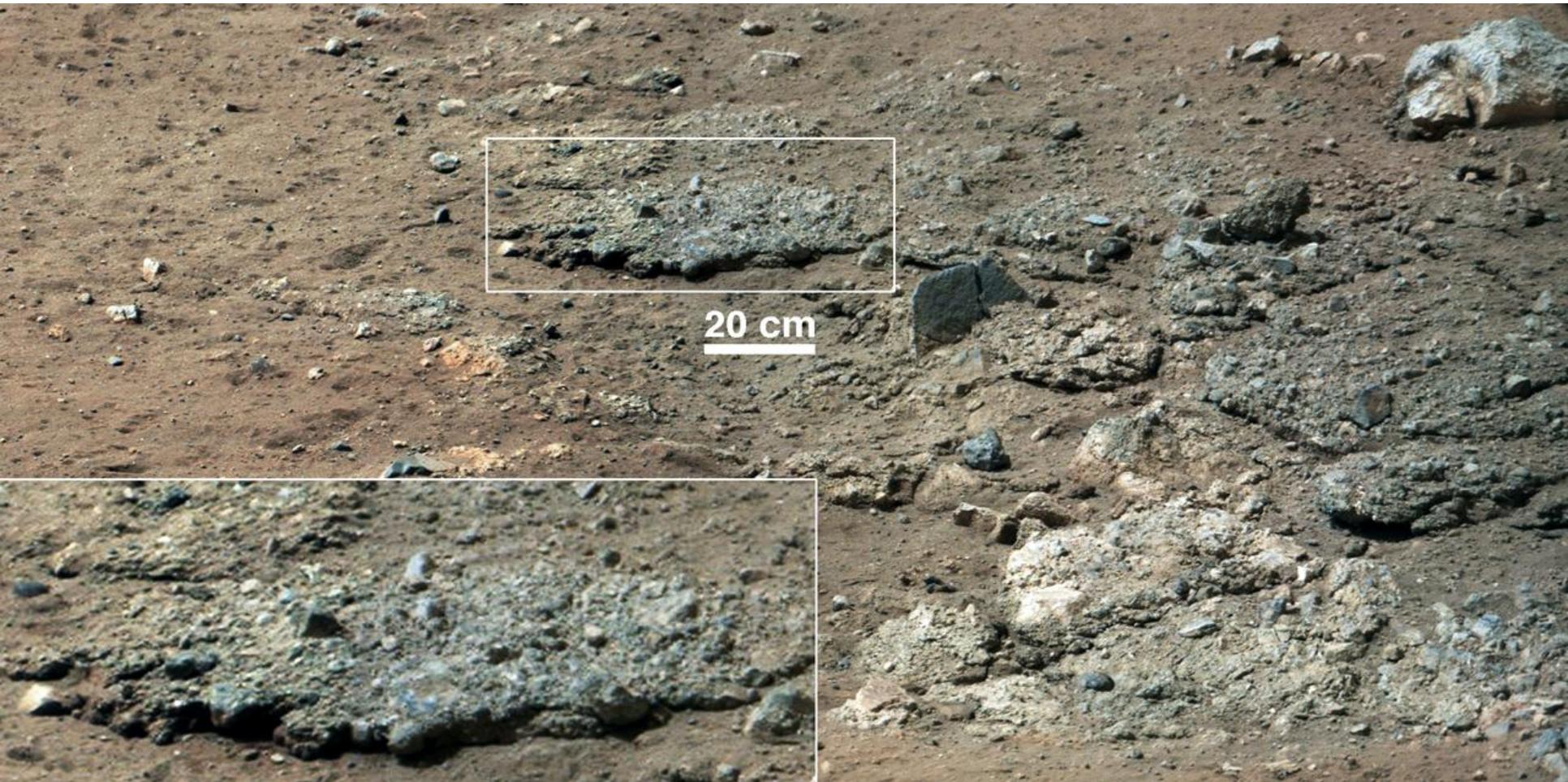
Navcam View of the Floor of Gale Crater



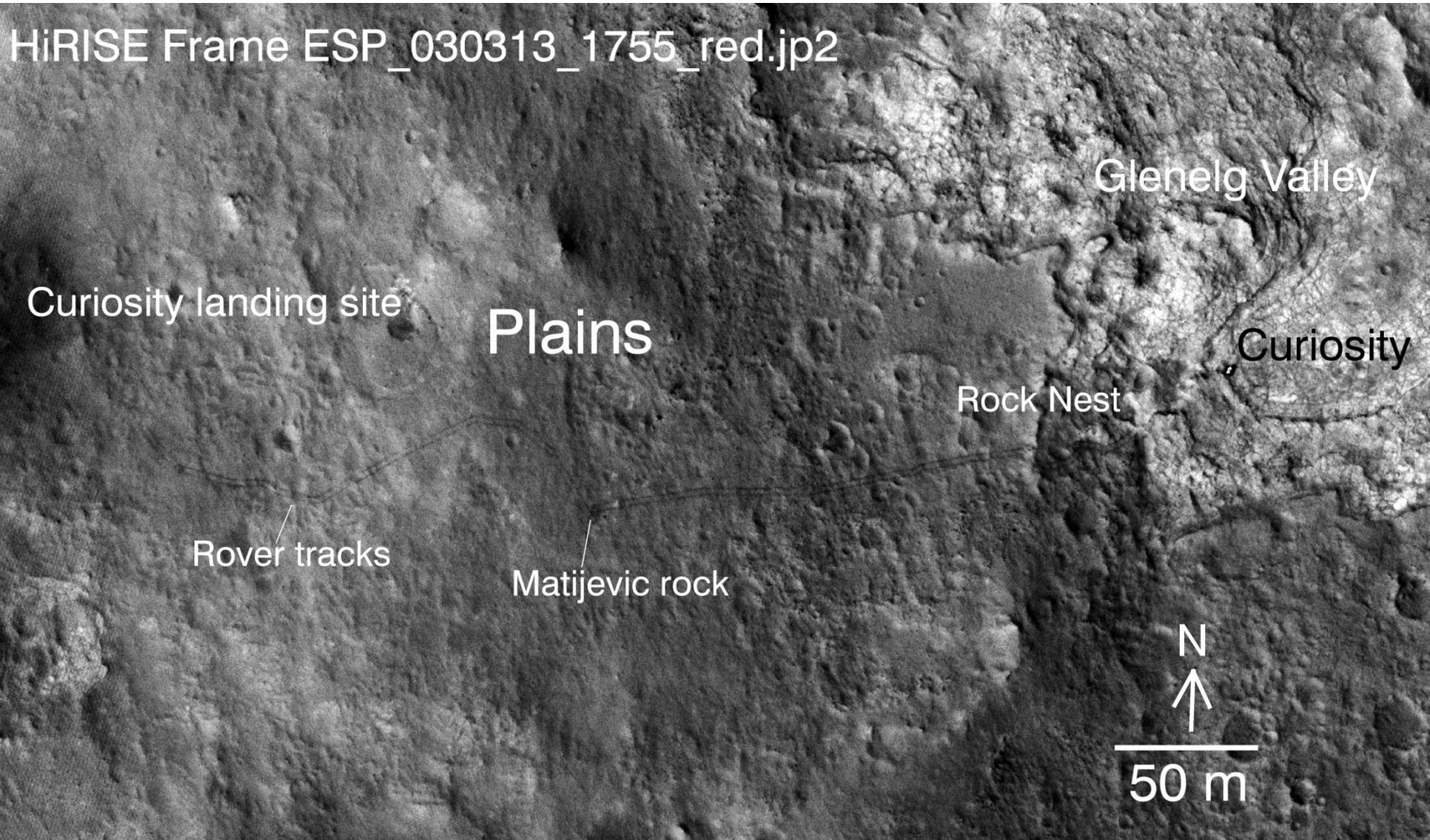
Fans

Blast zone

Ancient Stream Bed Deposits Exposed in Blast Zone



HiRISE Frame ESP_030313_1755_red.jp2



Curiosity landing site

Plains

Glenelg Valley

Curiosity

Rock Nest

Rover tracks

Matijevic rock



50 m

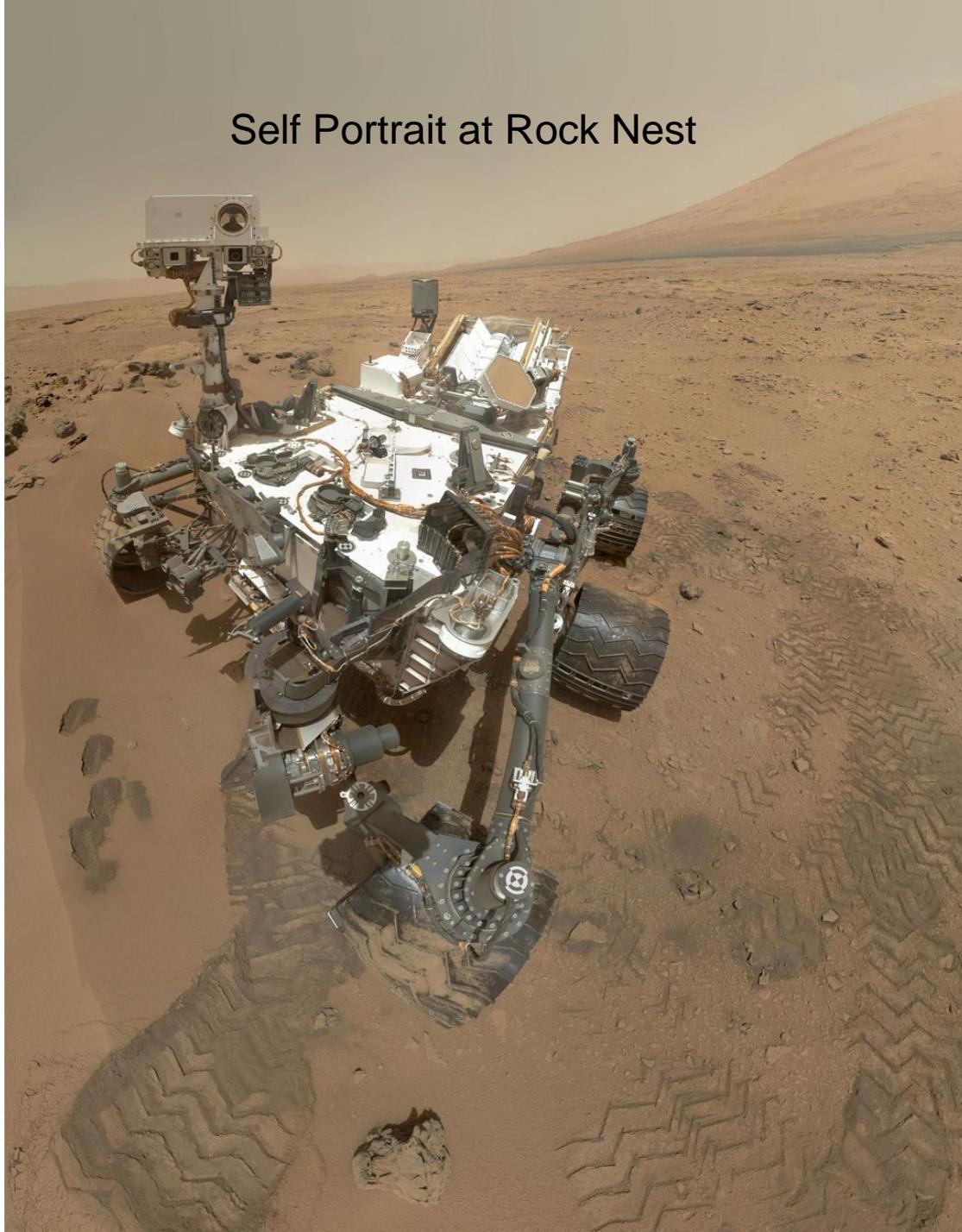
Pebble Conglomerate From Ancient Stream Bed

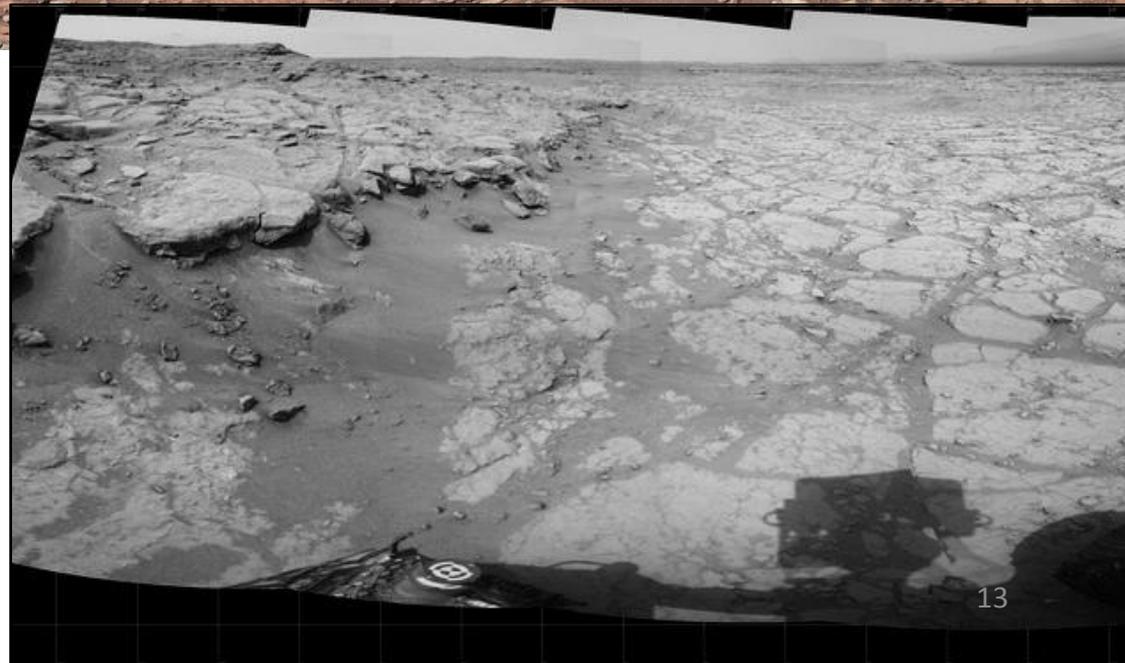


Modern Stream Bed in Chile



Self Portrait at Rock Nest

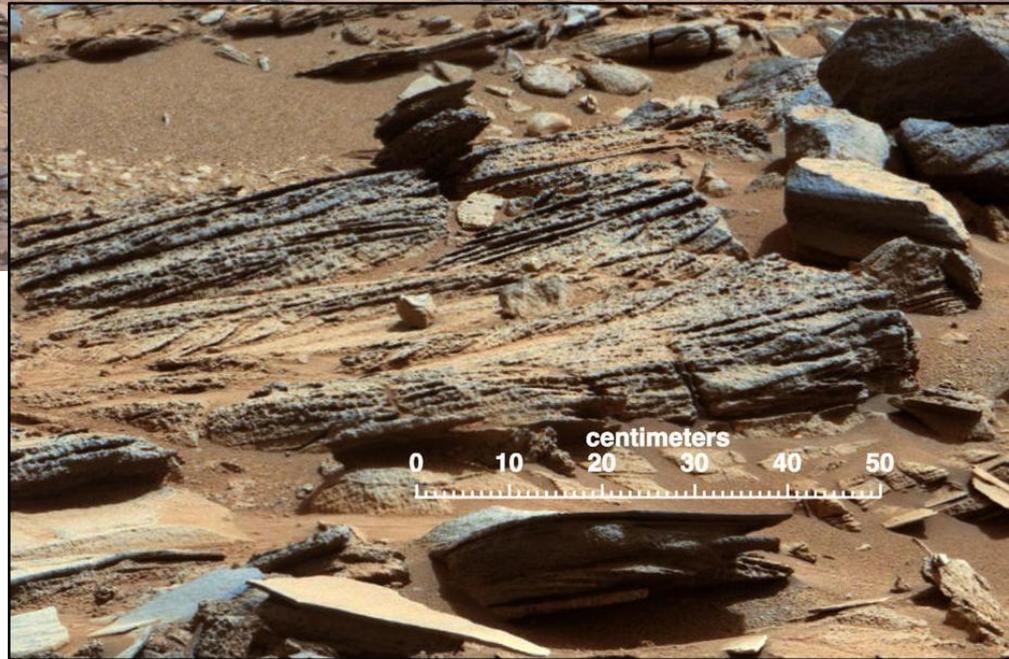


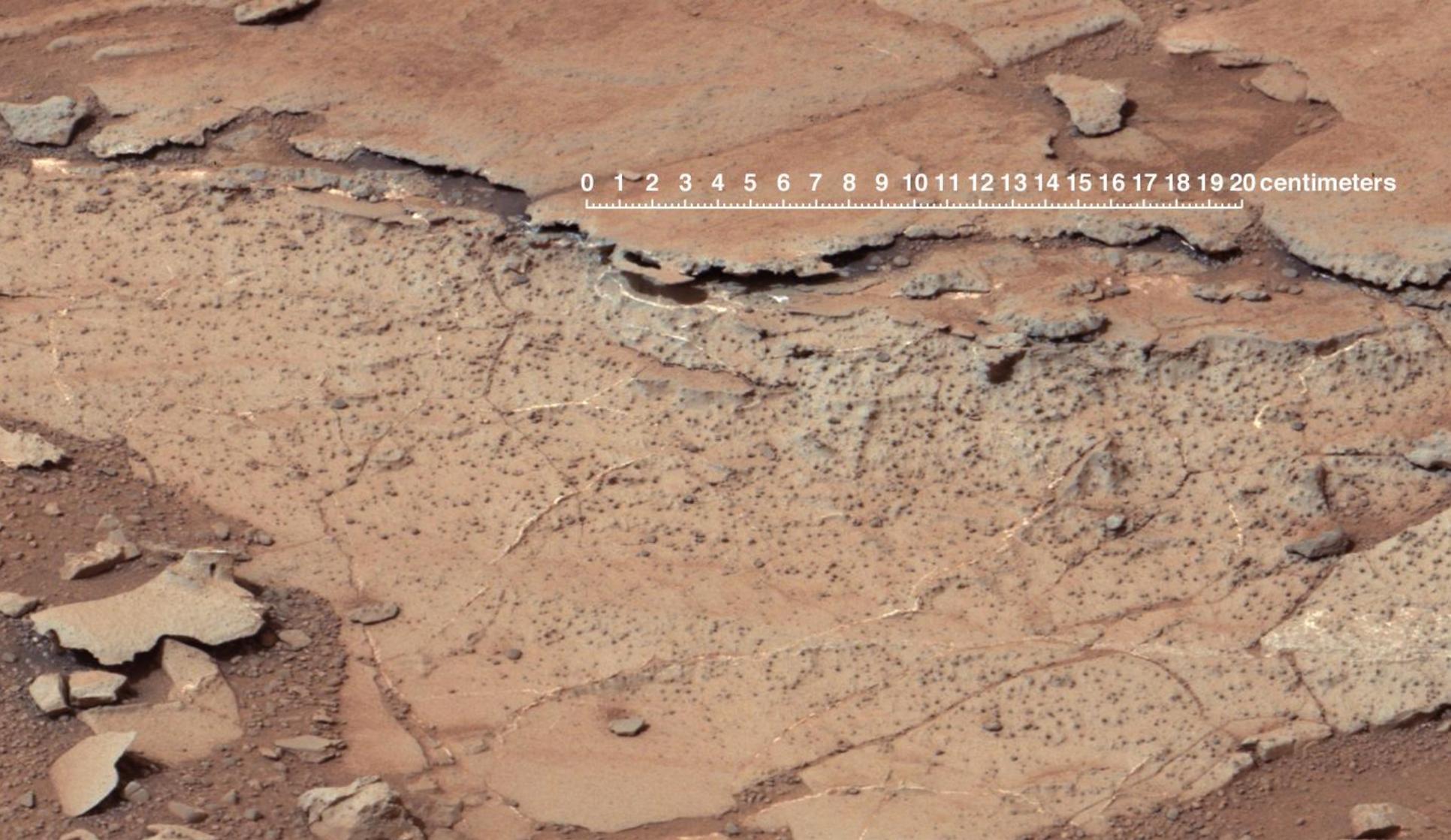


In Glenelg Valley
Stream and Lake
Deposits



Crossbeds in Glenelg Valley
Formed in Ancient Stream





Veins and Spherules in Glenelg Valley



Ancient Lake Beds?

Drill Site in Glenelg Valley

Drilling into Yellow Knife Bay

Percussion test

Drill hole

Smectites with good preservation conditions

