Rock Glacier Inventory Update Report

AR_CentralAndes

Introduction

This report presents minor geometry adjustments to the original rock glacier inventory in the GL_Diskolsland area (Rouyet et al., 2025; doi.org/10.5281/zenodo.15467203; doi.org/10.5194/essd-2024-598).

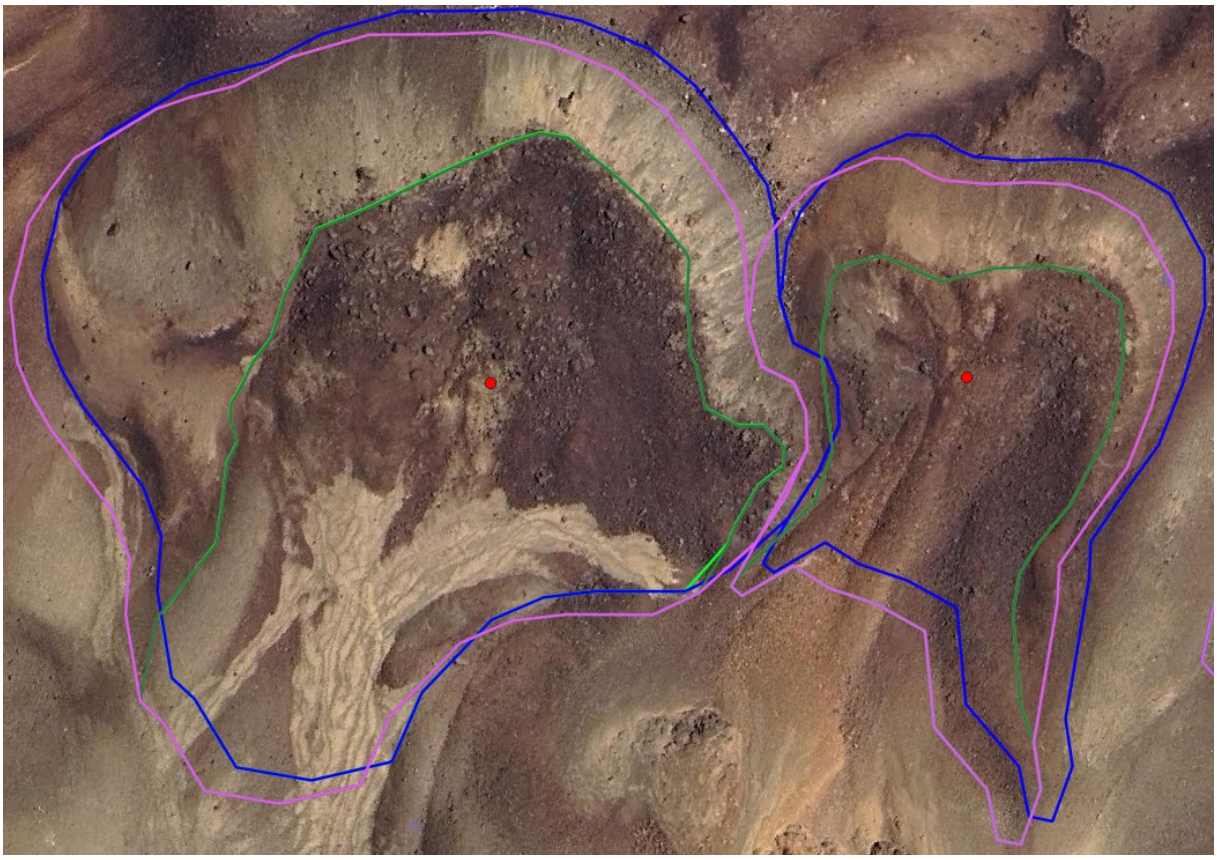
As online basemaps are periodically updated, slight spatial misalignments between the original outlines and currently available imagery were observed. The proposed adjustments aim to improve visual and spatial consistency.

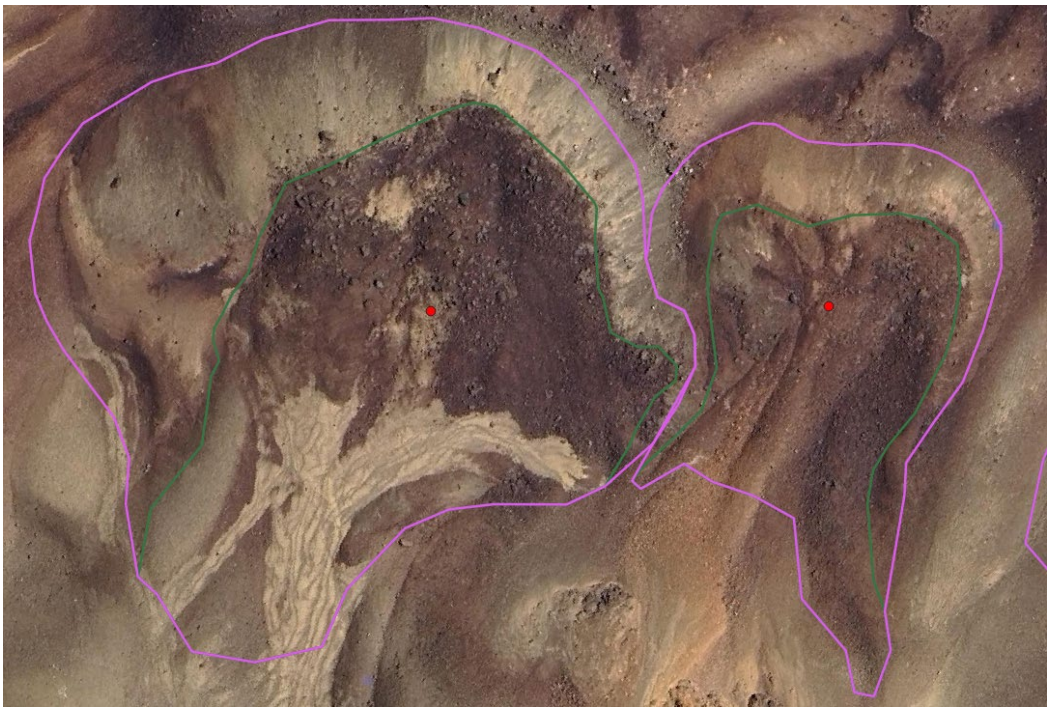
Neon green outlines represent the updated restricted outline.
Dark blue outlines represent the updated extended outline.

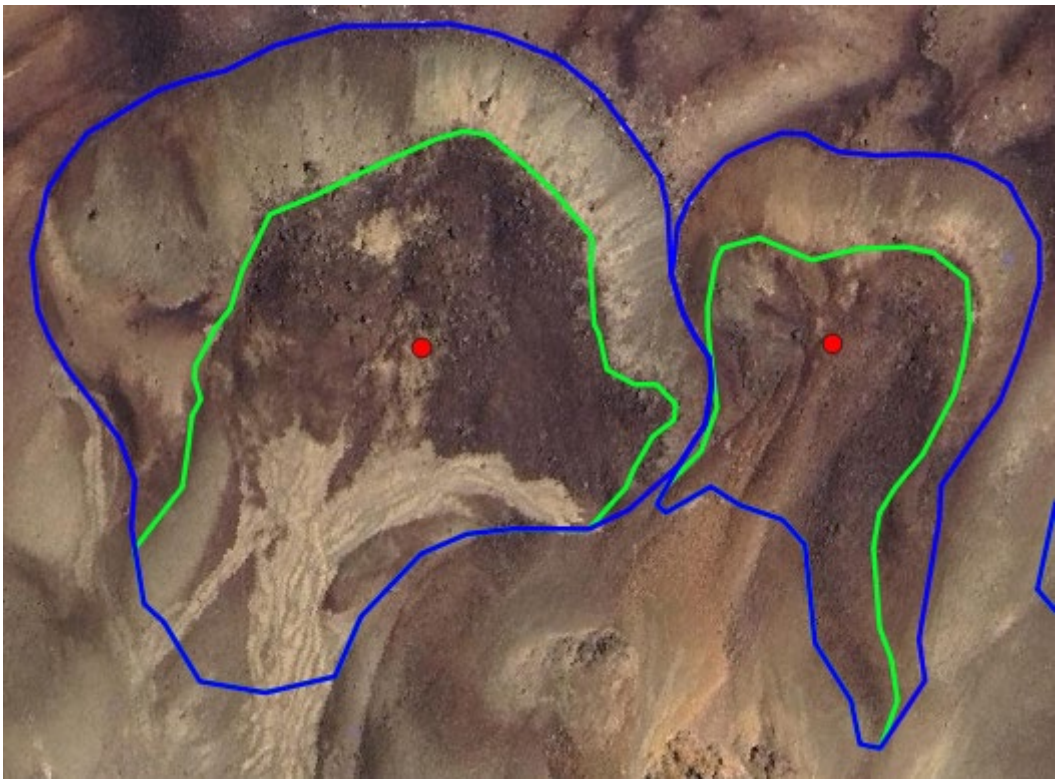
Green outlines represent the original restricted outline.
Magenta outlines represent the original extended outline.

Description of Modifications

RGU329917S695760W and RGU329913S695745W

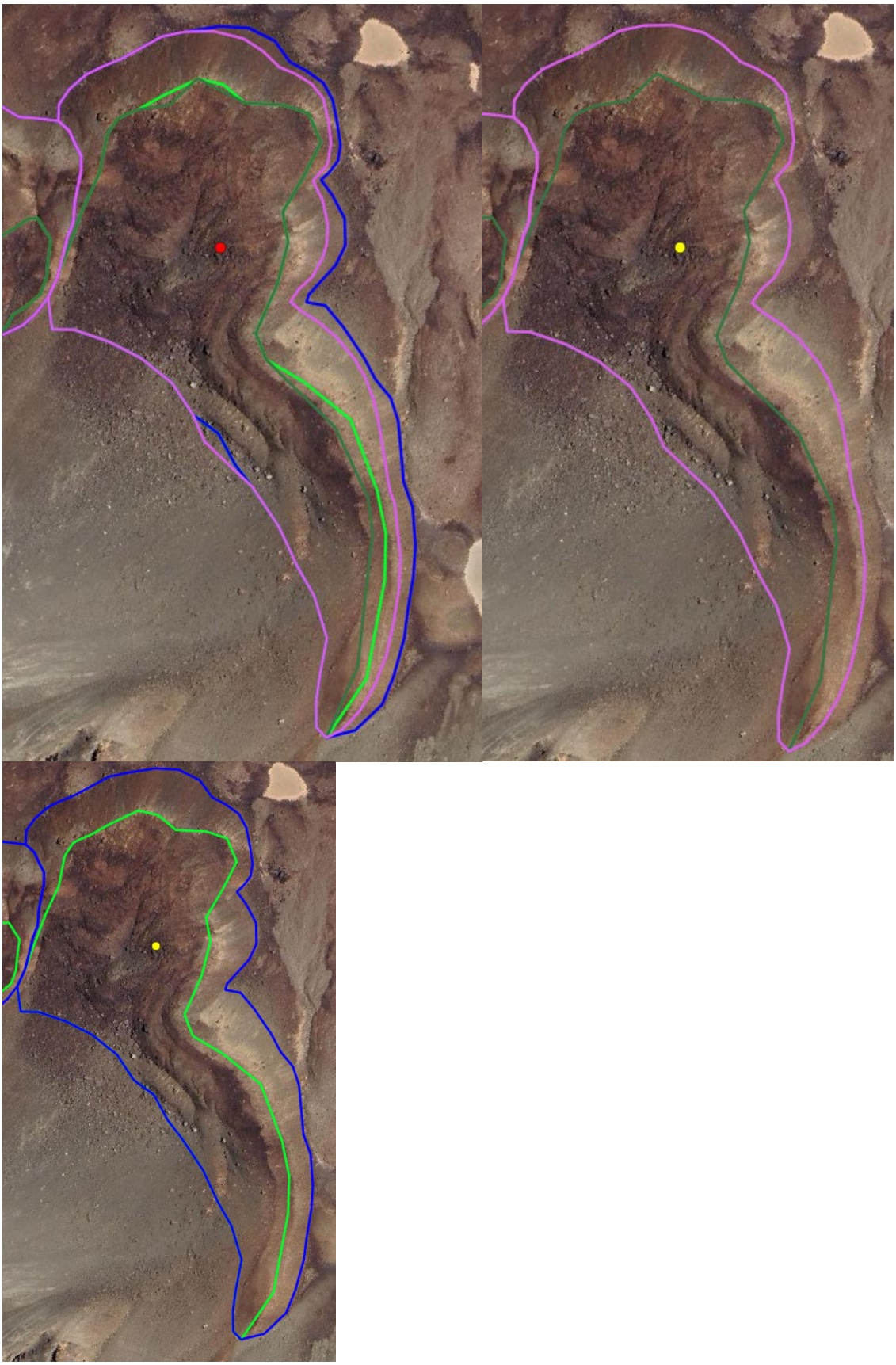






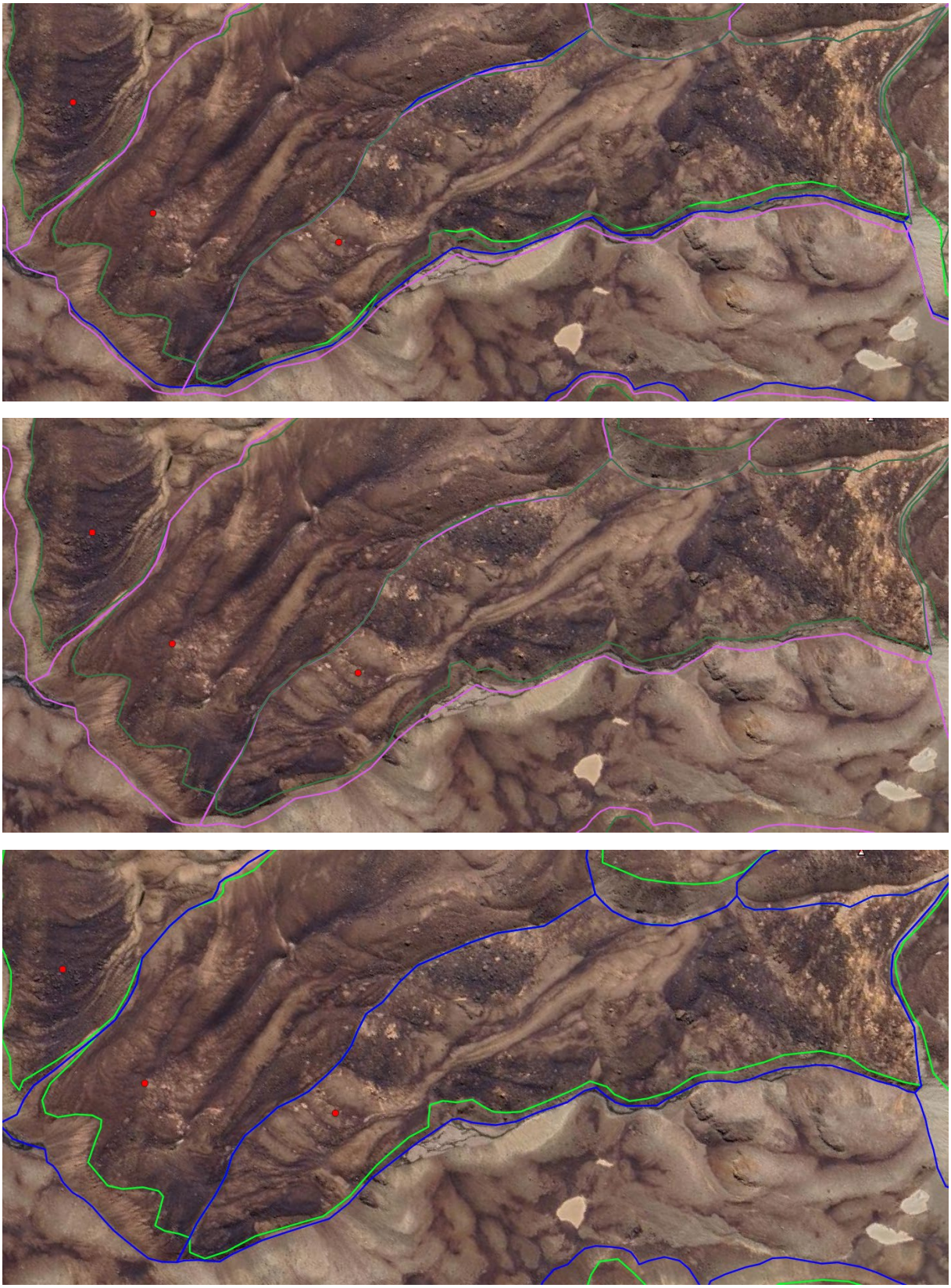
The polygons were shifted, probably due to a map update. They were adjusted to match the outline of the rock glacier.

RGU329924S695684W



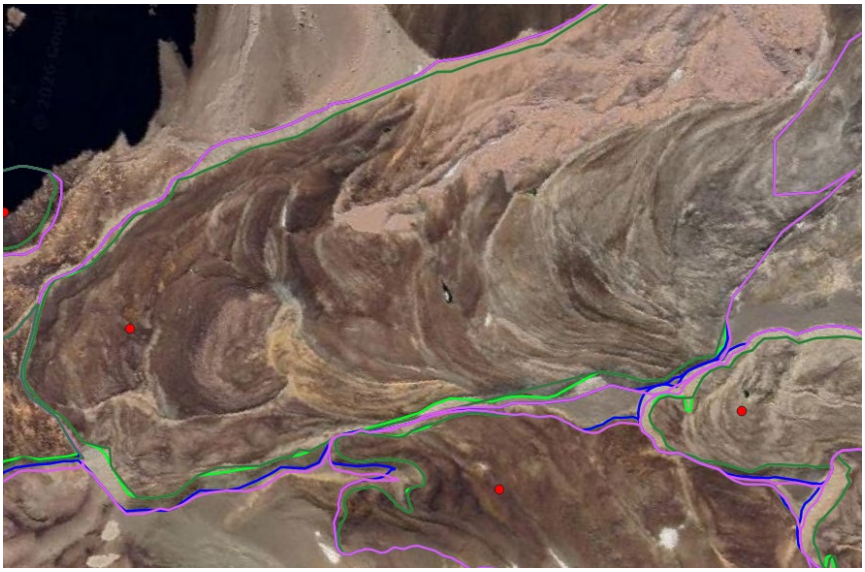
The outline was corrected at the front, as there was a shift.

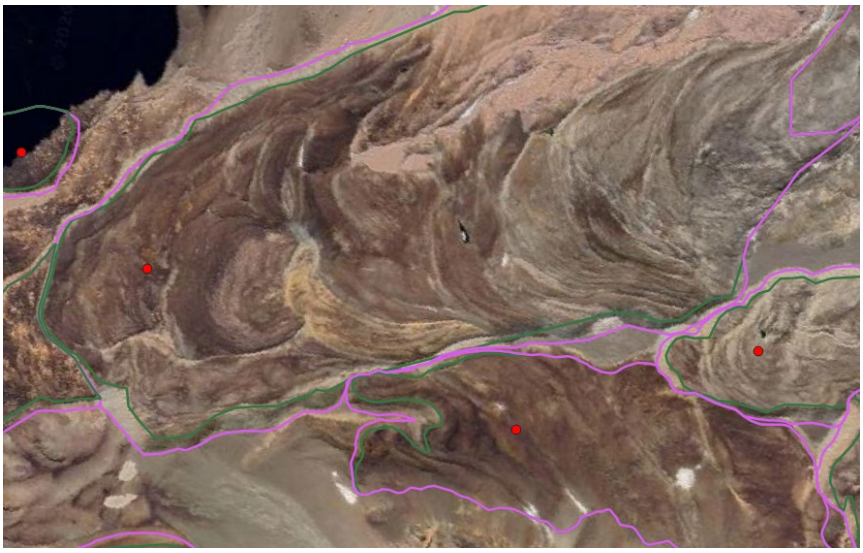
RGU329885S695685W and RGU329868S695695W

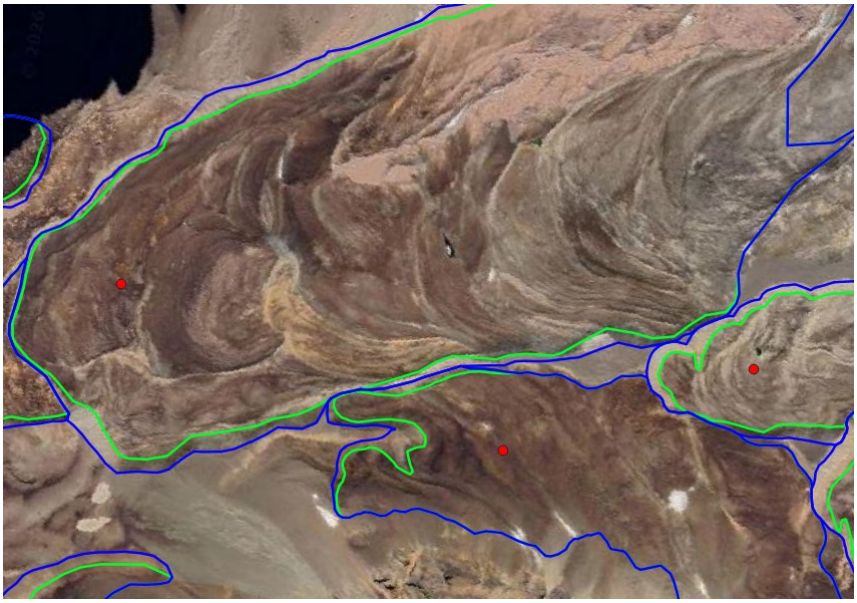


The left margin of RGU329885S695685W was edited to better match the outline of the rock glacier. The right margin was also edited to ensure a clear boundary with the neighboring rock glacier. The frontal outline of RGU329868S695695W was corrected to better match the outline of the rock glacier.

RGU329935S695620W, RGU330022S695616W and RGU329990S695636W

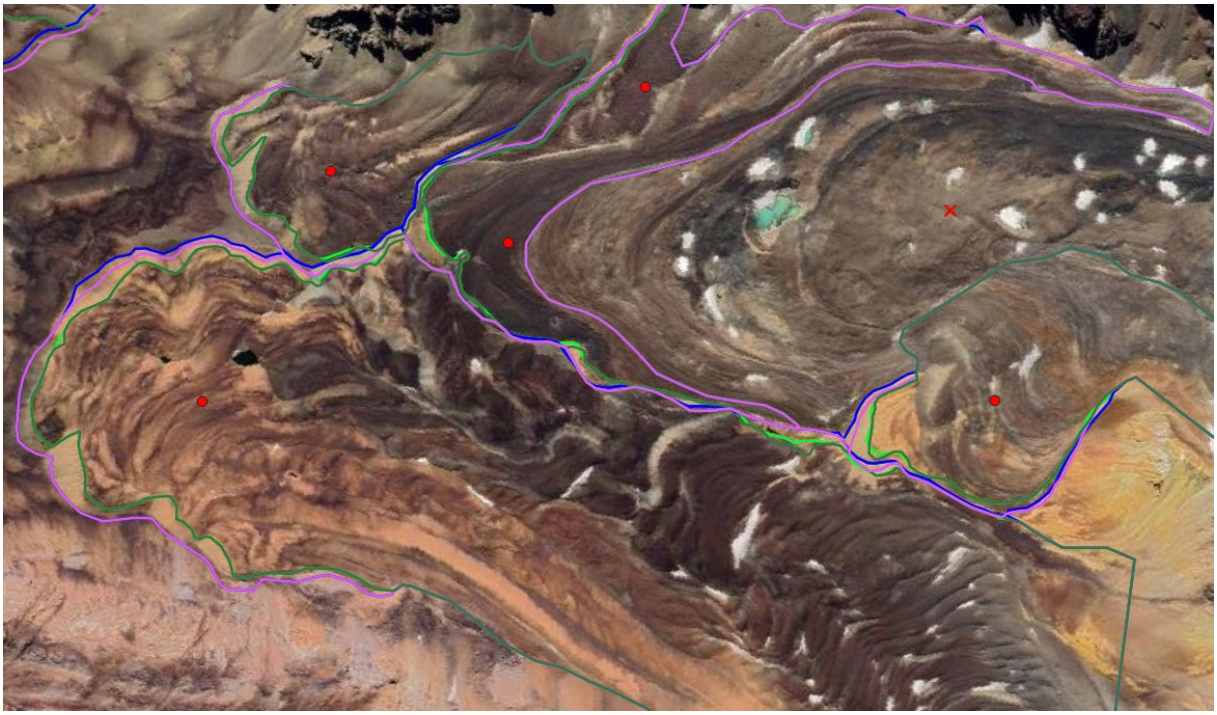


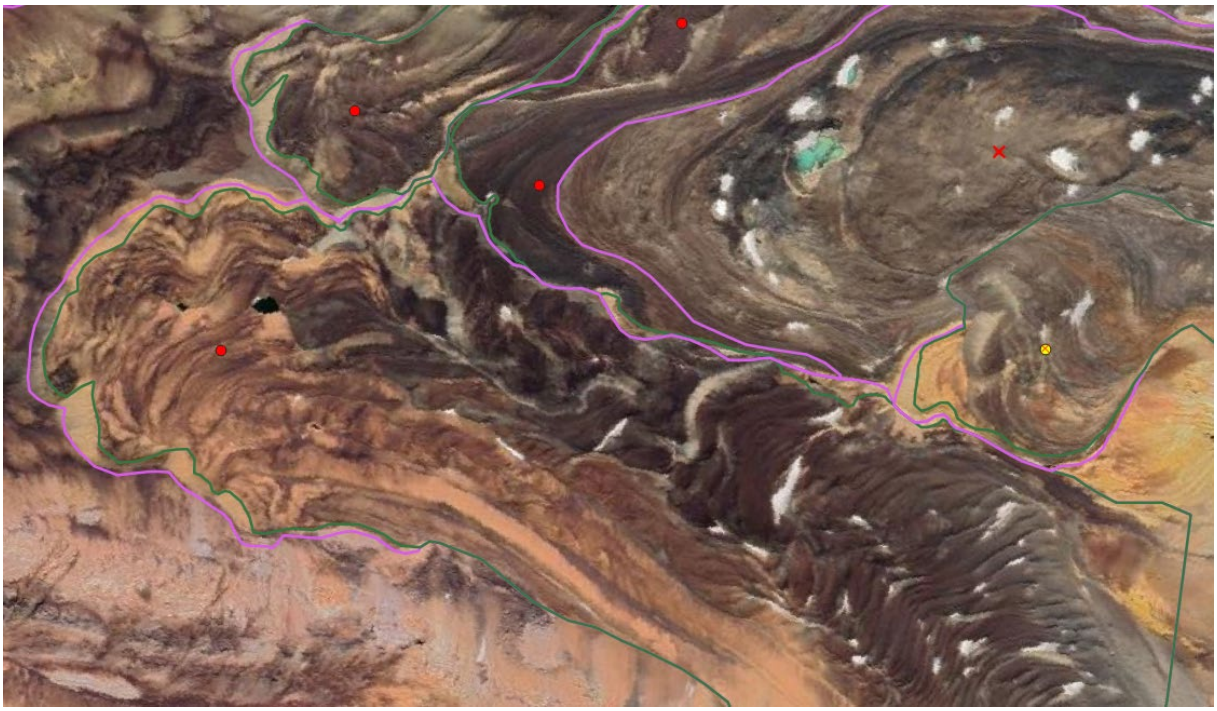


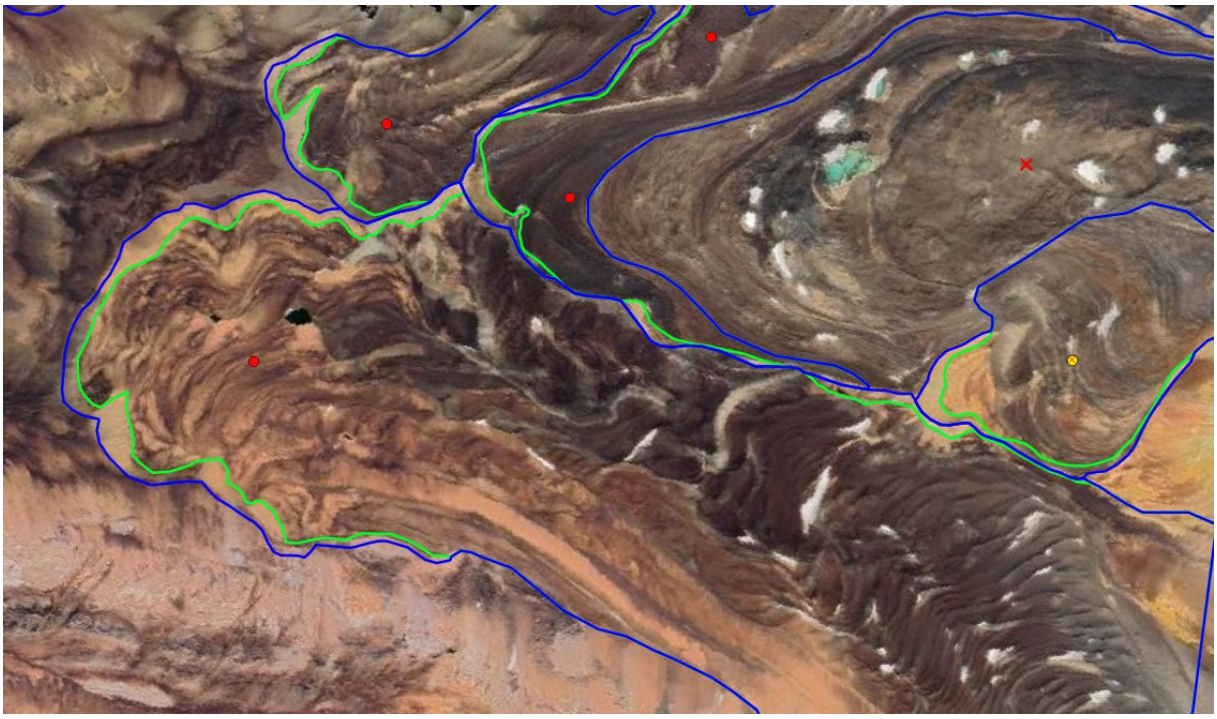


The outlines of these three rock glaciers were edited to ensure that their intersections were represented correctly. As there were many overlapping outlines, some confusion occurred between them. The vertices were not connected properly, which affected the display of the outlines.

RGU329953S695821W, RGU329964S695783W, RGU329989S695789W, RGU330055S695800W



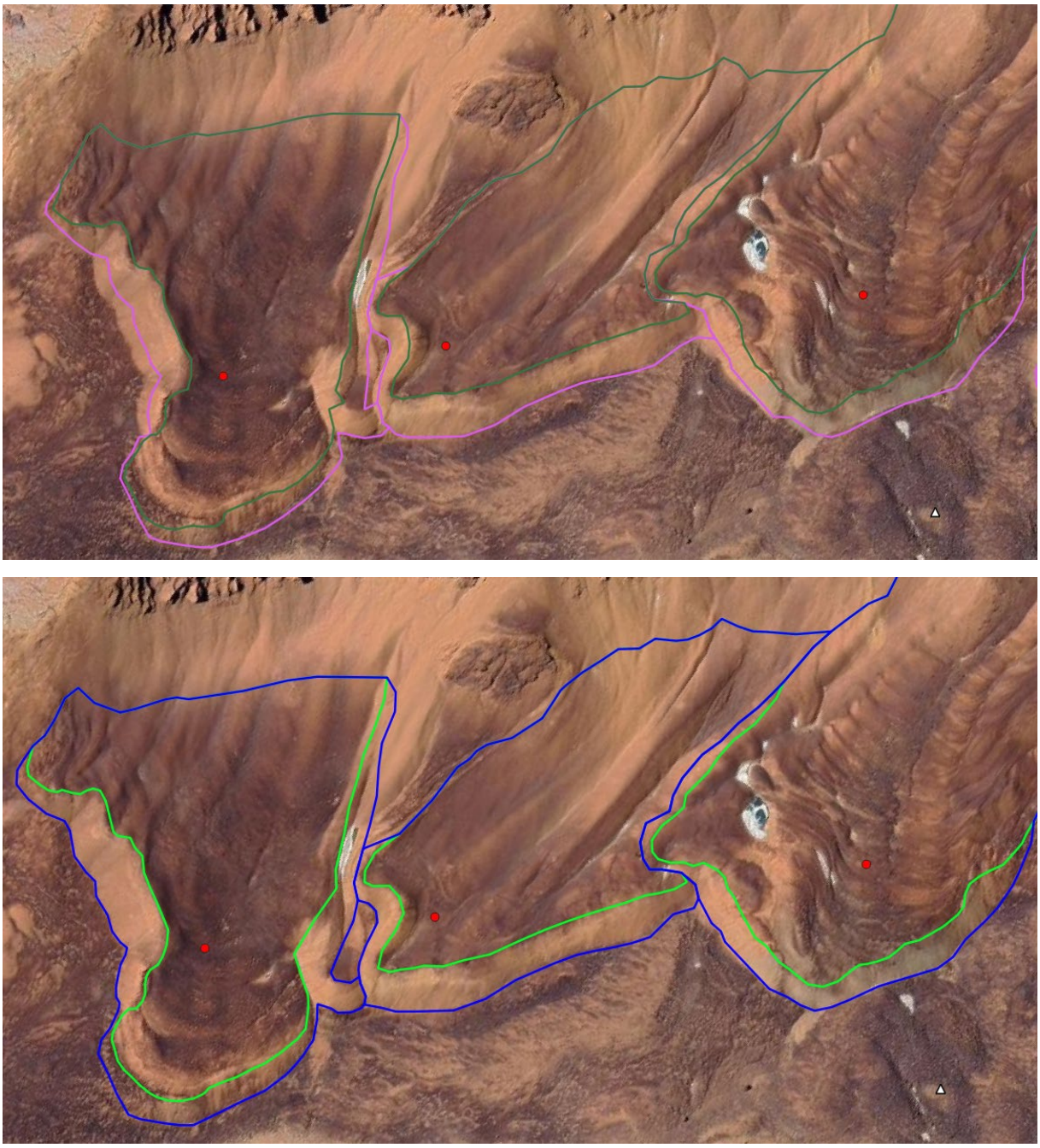




The outlines were edited to ensure a clearer separation of the boundaries. The vertices were connected to improve the alignment of the outlines.

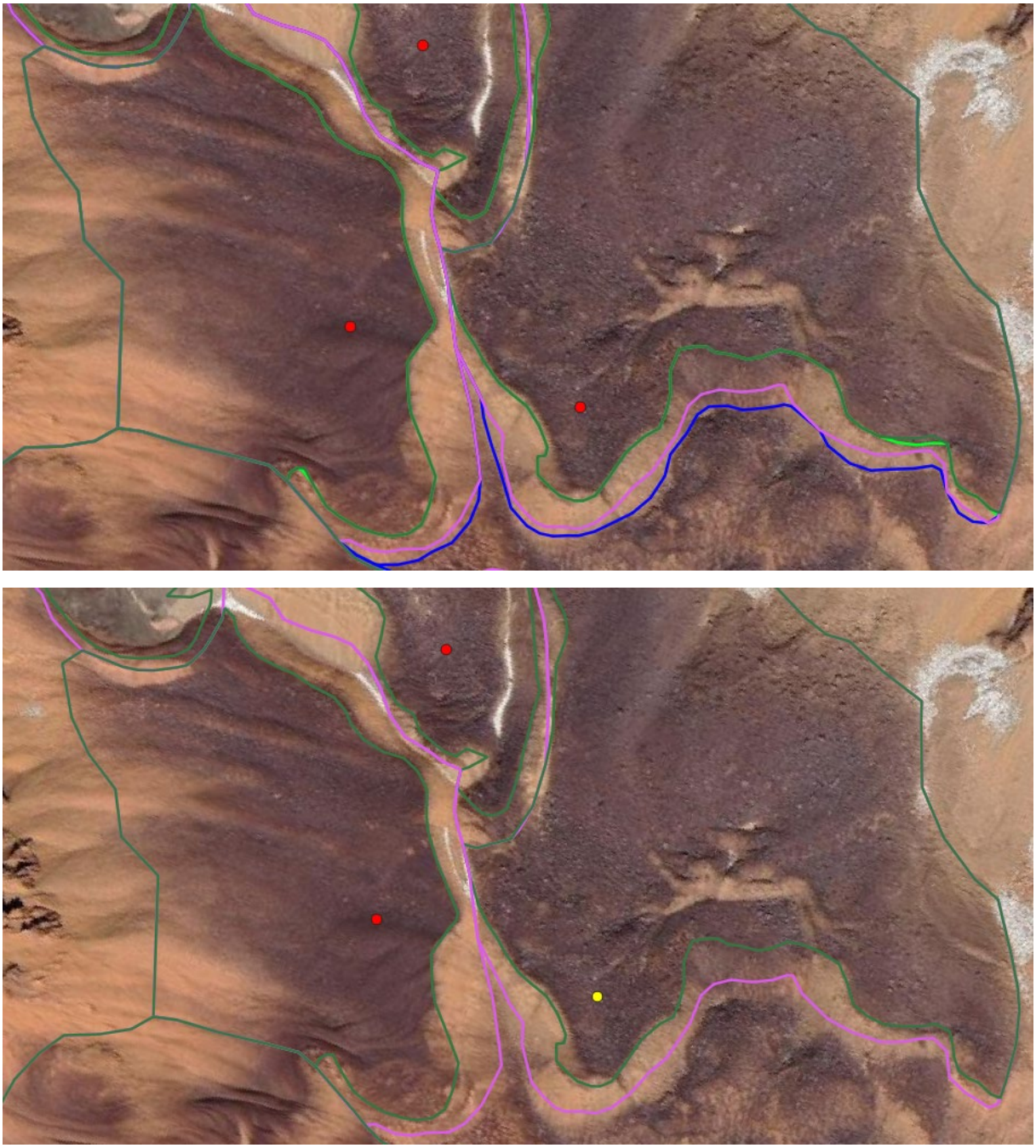
RGU329979S695898W, RGU329991S695913W, RGU330013S695942W





For rock glacier RGU329979S695898W, the right margin and front were edited. For rock glaciers RGU329991S695913W and RGU330013S695942W, only the front was adjusted. The updated maps showed these boundaries more clearly, so the outlines were revised to better match the mapped features.

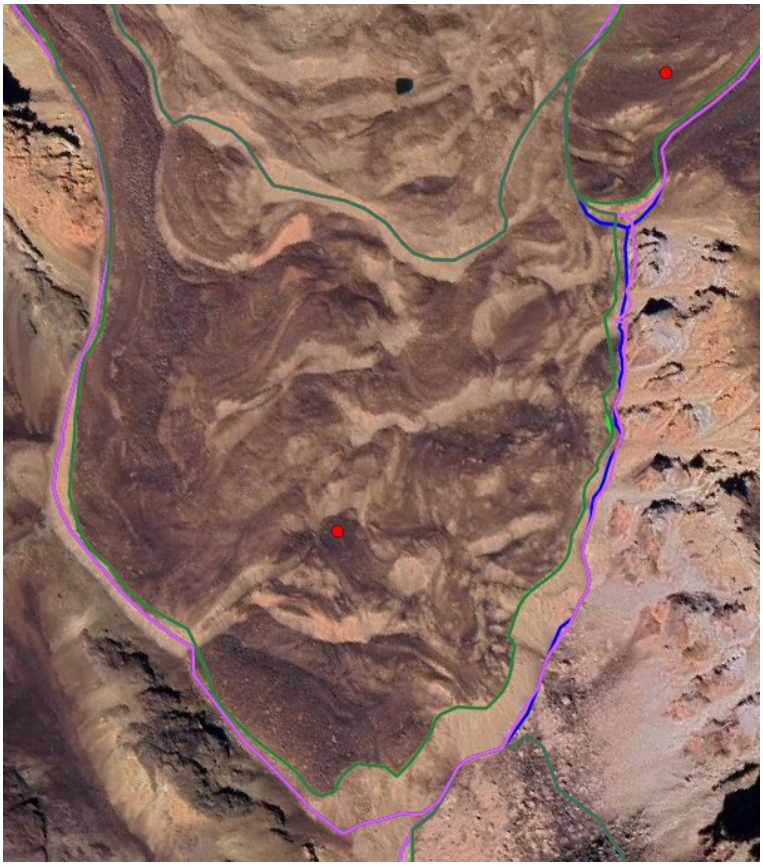
RGU330033S695968W , RGU330018S695968W

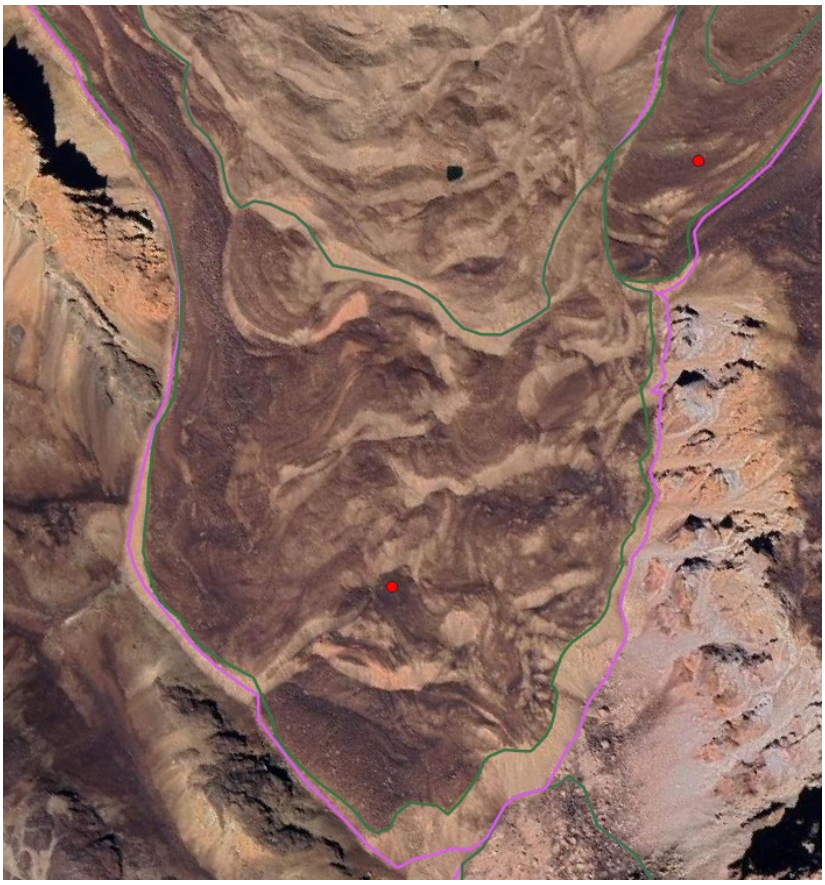


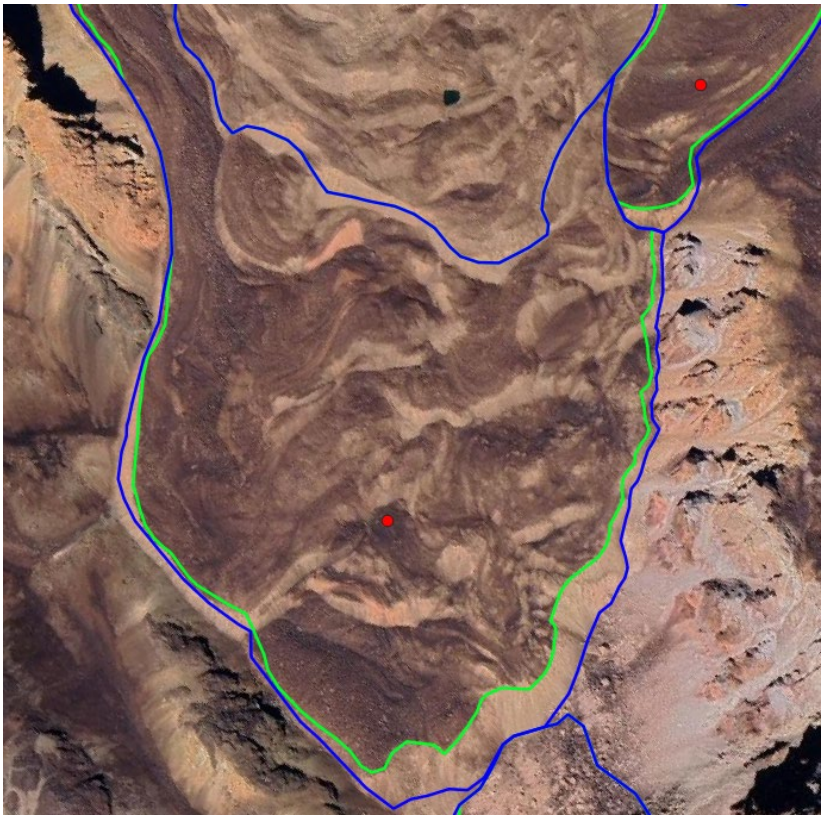


The frontal margins of both rock glaciers were adjusted to better match the outlines visible on the map.

RGU329816S695788W, RGU329826S695838W







The left margin of rock glacier RGU329816S695788W and the front of rock glacier RGU329826S695838W were adjusted to better match the updated map.