

CHAPTER S. SHALE HILLS

Field Note S2b6. Pebbles at the Bokkeveld Group – Bredasdorp Group contact



View on the Bokkeveld Group - Bredasdorp Group contact east of the Kars River.

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Field Note S2b5. Pebbles at the Bokkeveld Group – Bredasdorp Group contact

Rounded pebbles are found along the contact between the two Renosterfontein Farms, east of the Kars River Gorge (Figure 1).

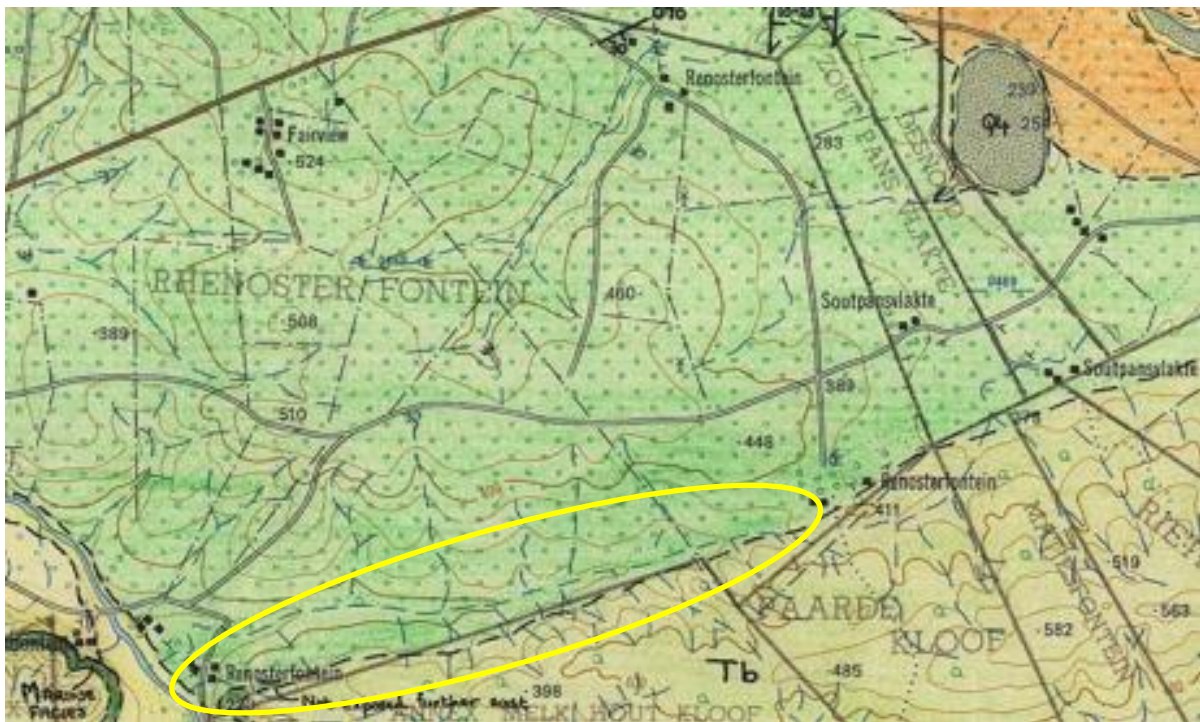


Figure 2. The contact between the Bokkeveld Group and the Bredasdorp Group (ellipse). Top – satellite image. Bottom – geology map (J Malan's 3420AC field sheet, 1984).

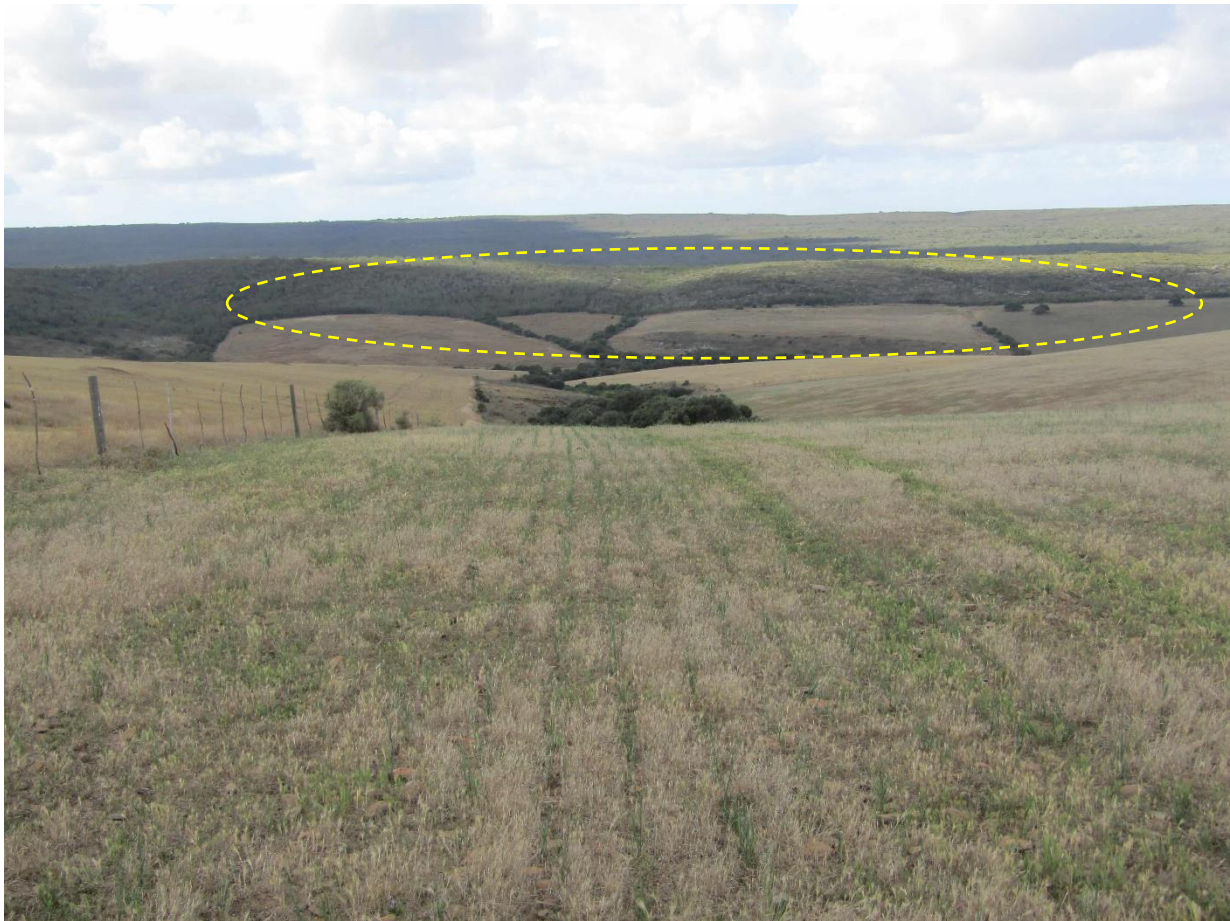


Figure 3. Top and bottom - views from the north of the contact between the Bokkeveld Group and the Bredasdorp Group (ellipse). A line of Milkwood trees is present along the contact.



Figure 4. Satellite image of the contact between the Bokkeveld Group and the Bredasdorp Group (ellipse). A line of Milkwood trees is present along the contact.

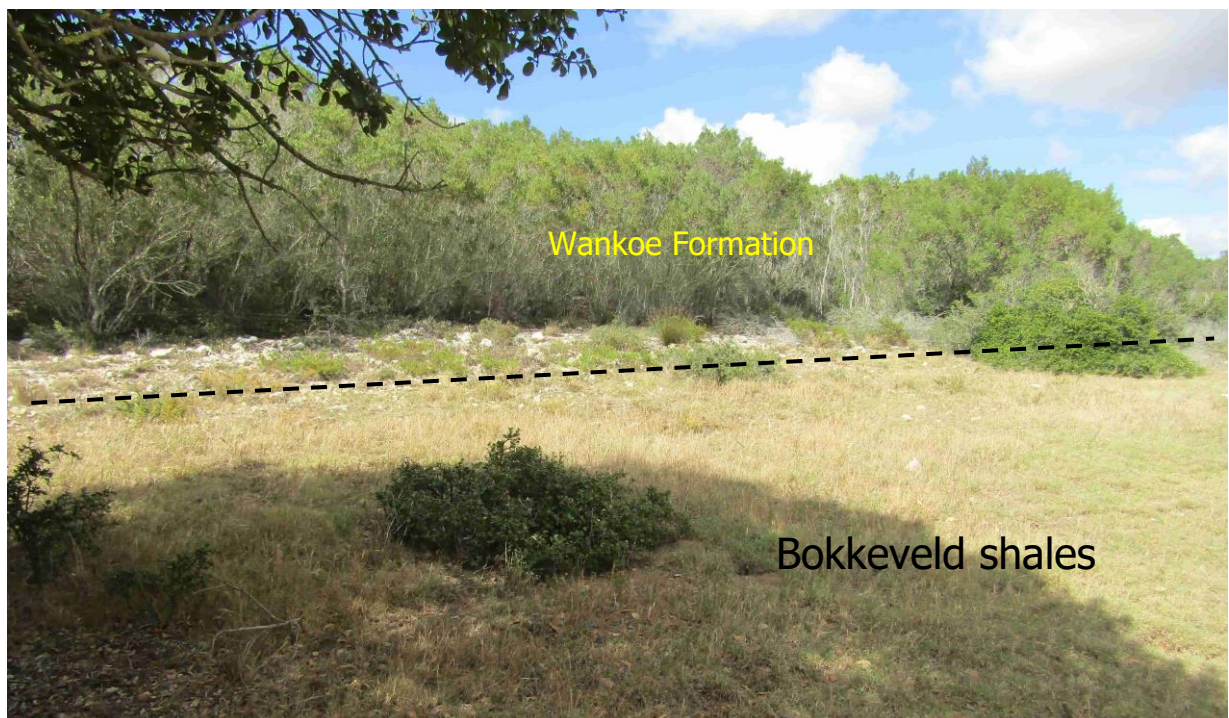


Figure 5. Views of the Bokkeveld Group contact with the Bredasdorp Group rocks between the two Renosterfontein Farms. Rounded pebbles were found along this section.

The pebbles found consist of quartz, sandstone and quartzite of various sizes (Figure 6).



Figure 6. Top and bottom - views of the pebbles found along the Bokkeveld Group contact with the Bredasdorp Group rocks, between the two Renosterfontein Farms.

The presence of the above pebbles in that location poses a question, as they are not typical of any of the formations. Similar pebbles were found in the West Renoster Valley and on the Kars River Gravel Terrace, north of the Bredasdorp block (Figure 7).



Figure 7. Satellite image of the area around the Kars River Gorge, showing locations (arrows) where rounded pebbles were found: yellow – pebbles reported in this Field Note; blue – West Renoster Valley; black – the Kars River Gravel Terrace.

The origins of these pebbles are subjects for further studies. They may indicate a riverine deposition phase, which has never been reported before. See Field Notes on the gravel terrace north of the Hard Dunes (Chapter C) and on the West Renoster Valley (Chapter K).