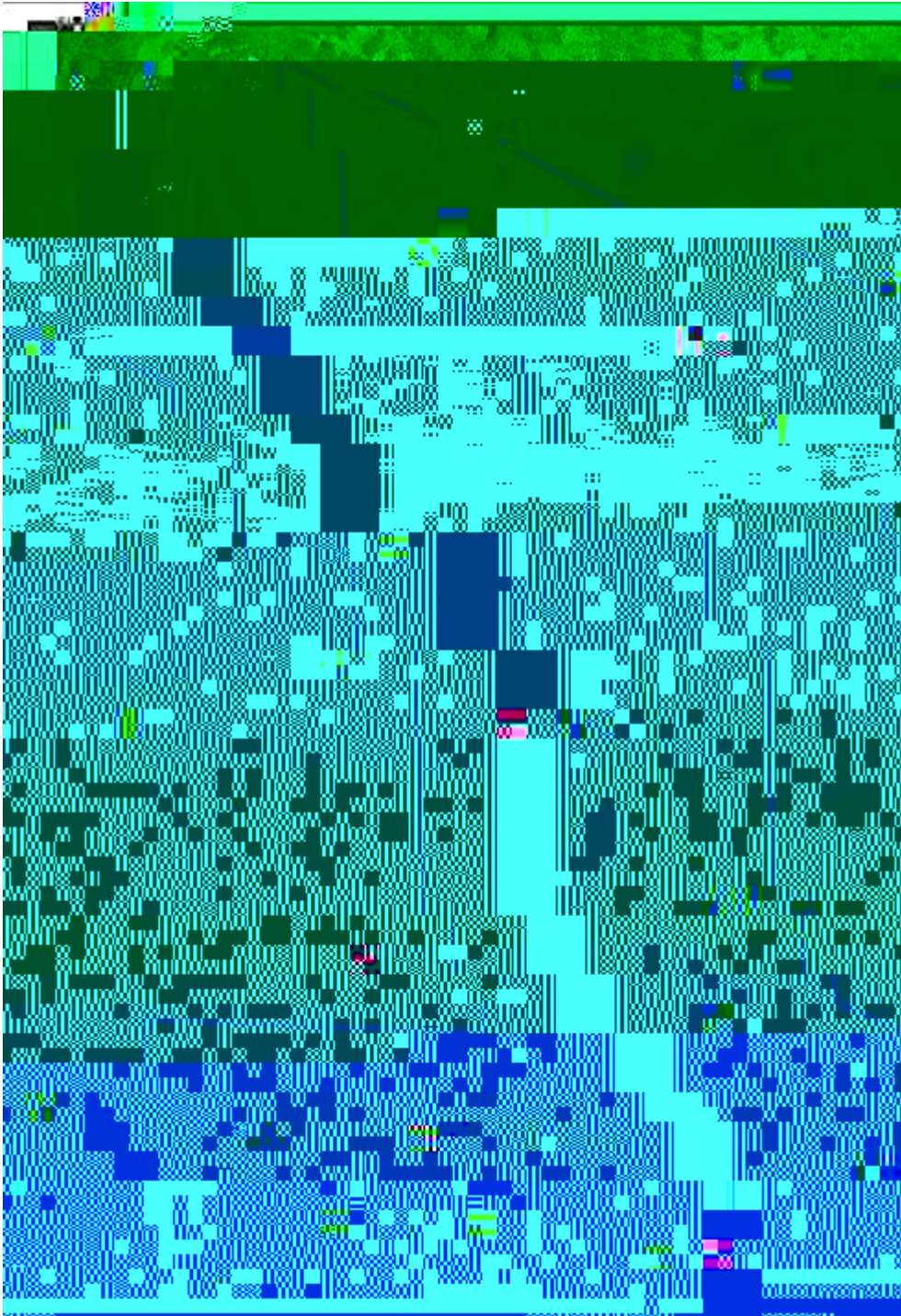


Dolines in the Mynydd Llangynidr  
preferred area of search

Photos taken by Professor John Gunn,  
Accompanied by Stuart Reid (CCW)  
11<sup>th</sup> July 2012



## Location map

Blue line = proposed preferred area of search

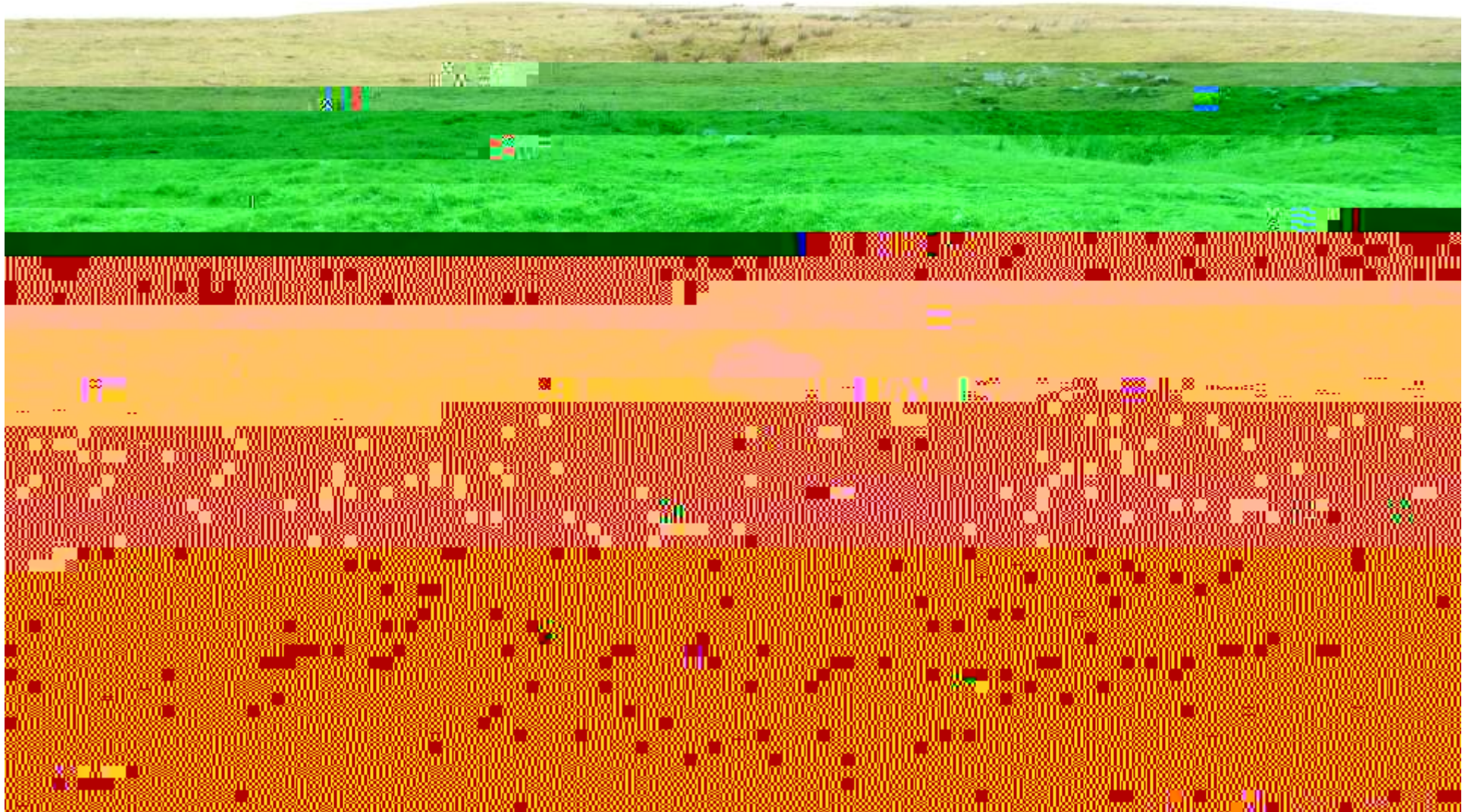
Red line = boundary between  
Carboniferous Limestone Supergroup  
and Millstone Grit Group on BGS  
1:250,000 sheet

Triangles are GPS waypoints locating  
the 5 doline photographs that follow

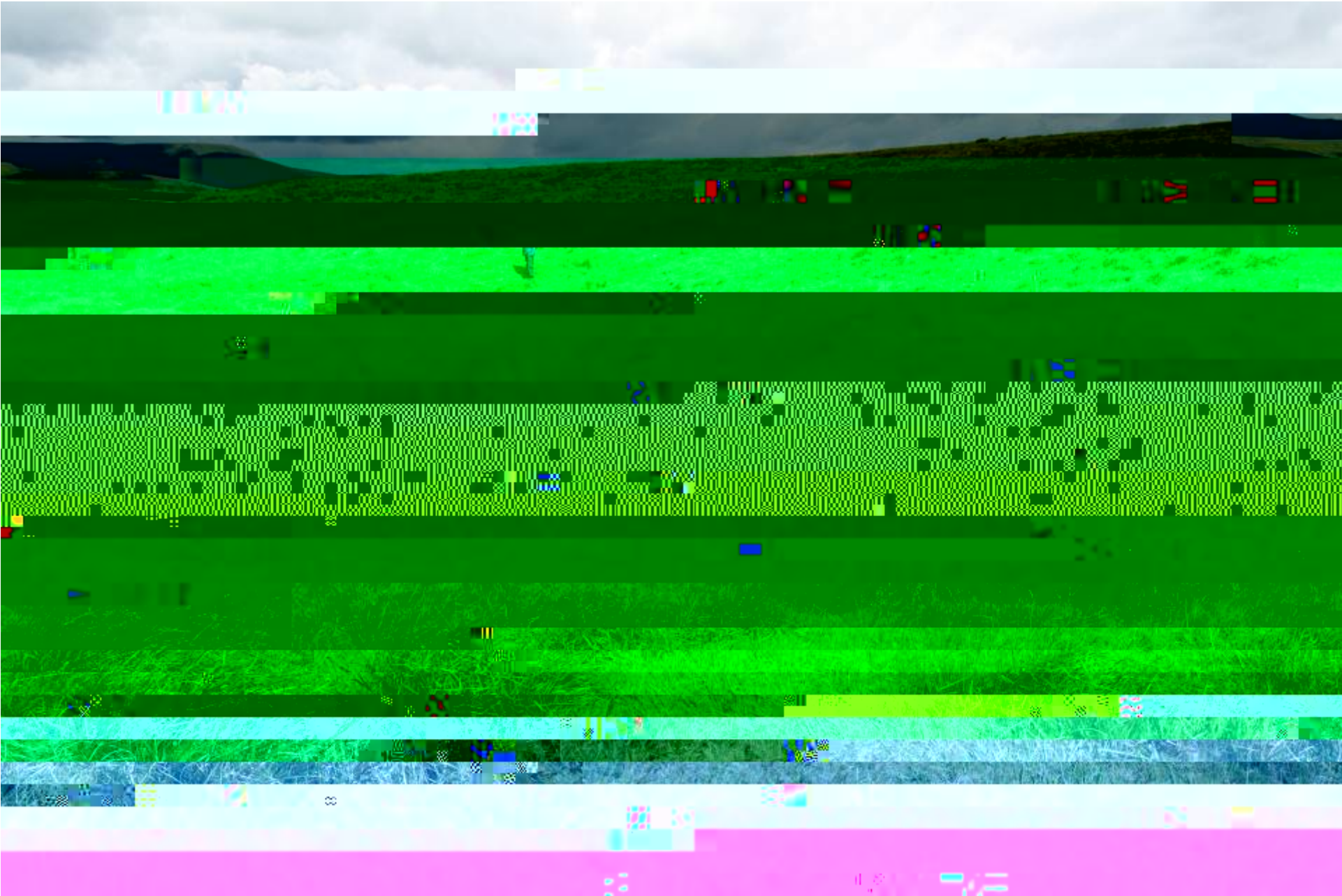
Interstratal karst doline CD1 (fence at quarry boundary in background)  
There is no limestone in the floor or sides; the visible boulders are all sandstone.  
Area of 'Collapsed and Soliflucted Grit on Carboniferous Limestone'



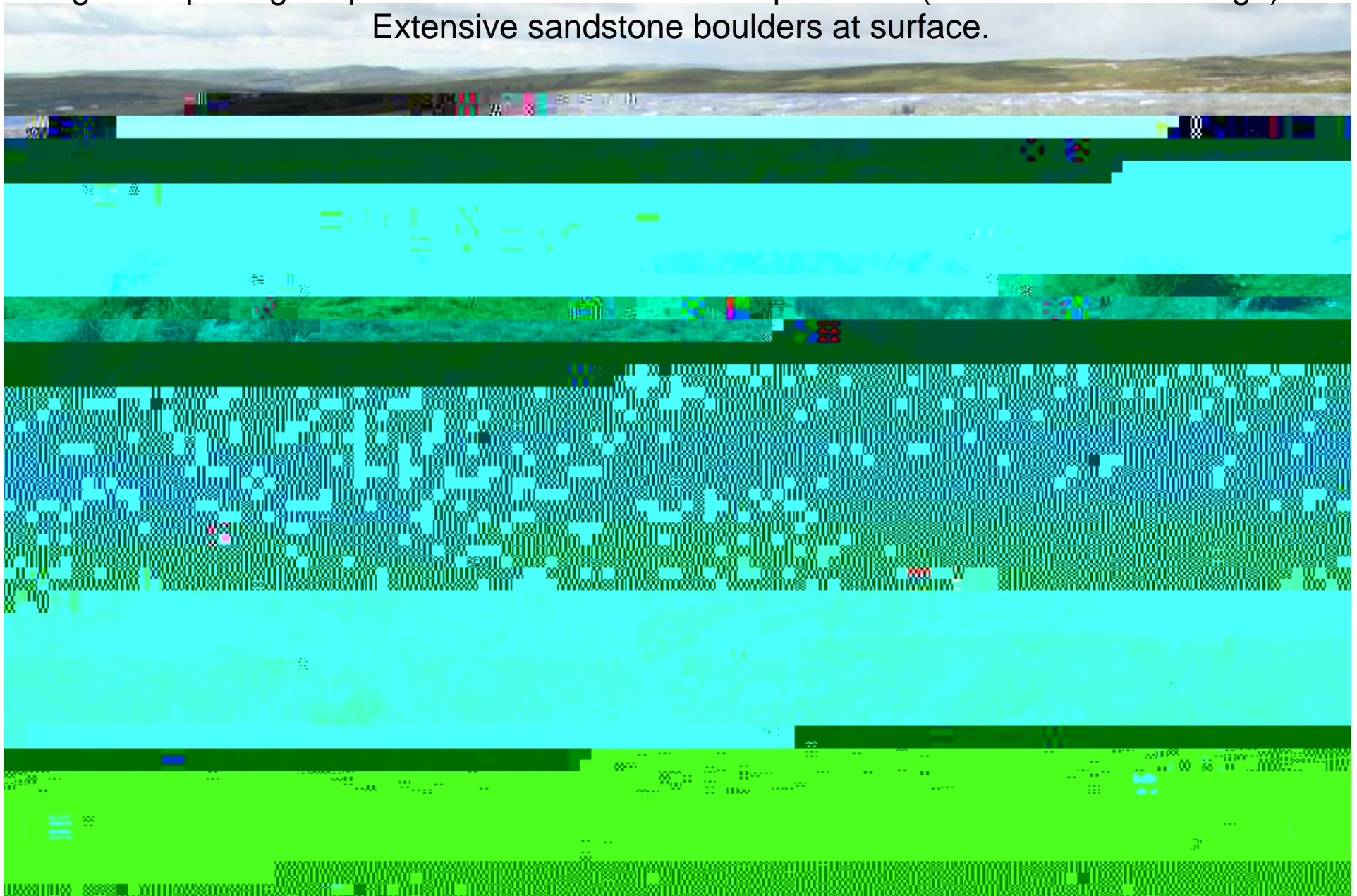
Doline CD2 in foreground. This is the only doline examined that clearly has in situ limestone bedrock exposed in the walls (i.e. it is a clear example of a solution doline)



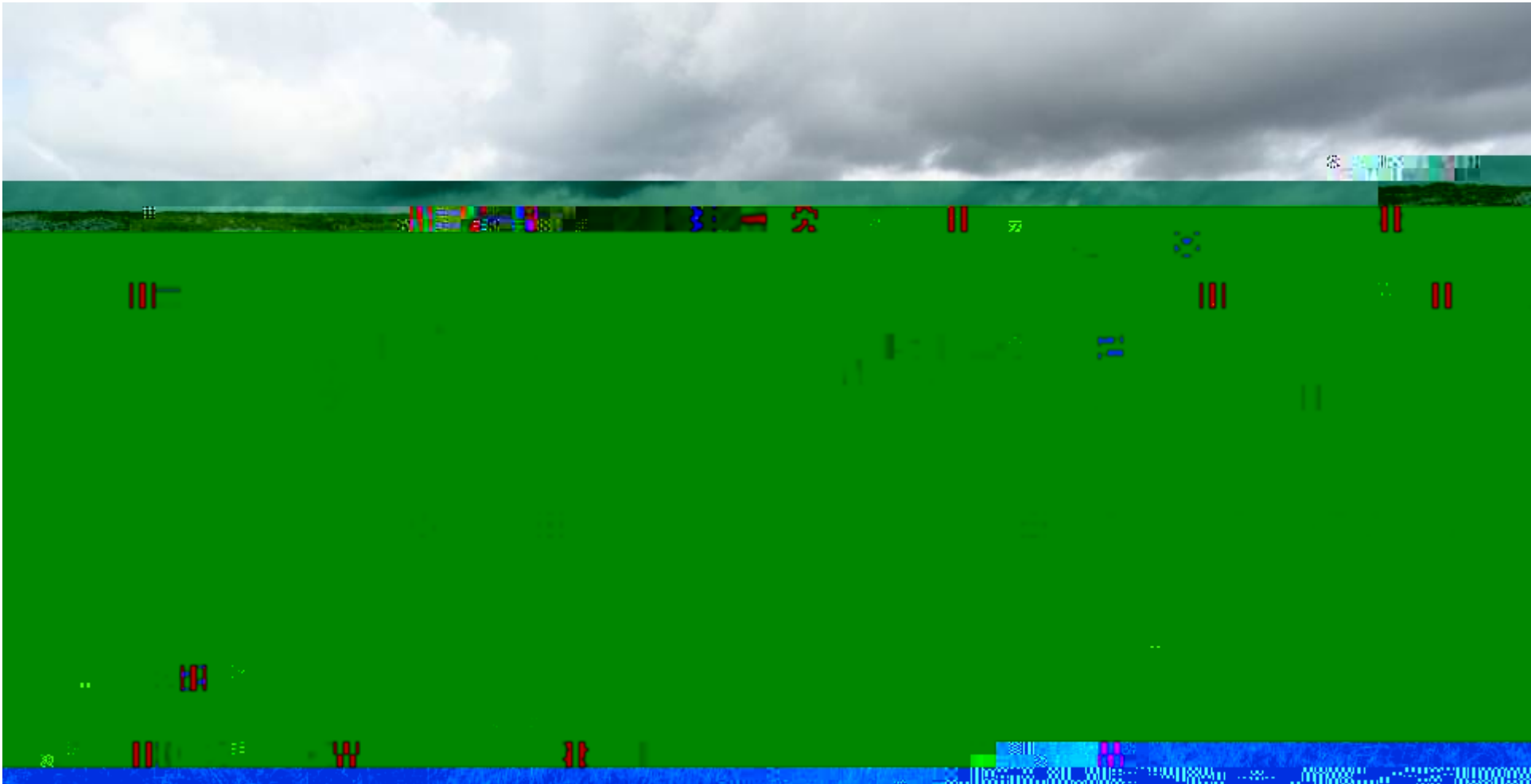
Doline CD3 – one of several aligned across the slope. No limestone cropping out.  
Part of the area of Collapsed and Soliflucted Grit on Carboniferous Limestone.



Caprock doline CD4, about 3m deep. Scar to right provides evidence of active geomorphological processes and rushes mark percoline (concentrated recharge).  
Extensive sandstone boulders at surface.



CD5. An area of large caprock dolines (up to 7m deep; see next image) and extensive sandstone scree



Detail of caprock doline shown on previous slide