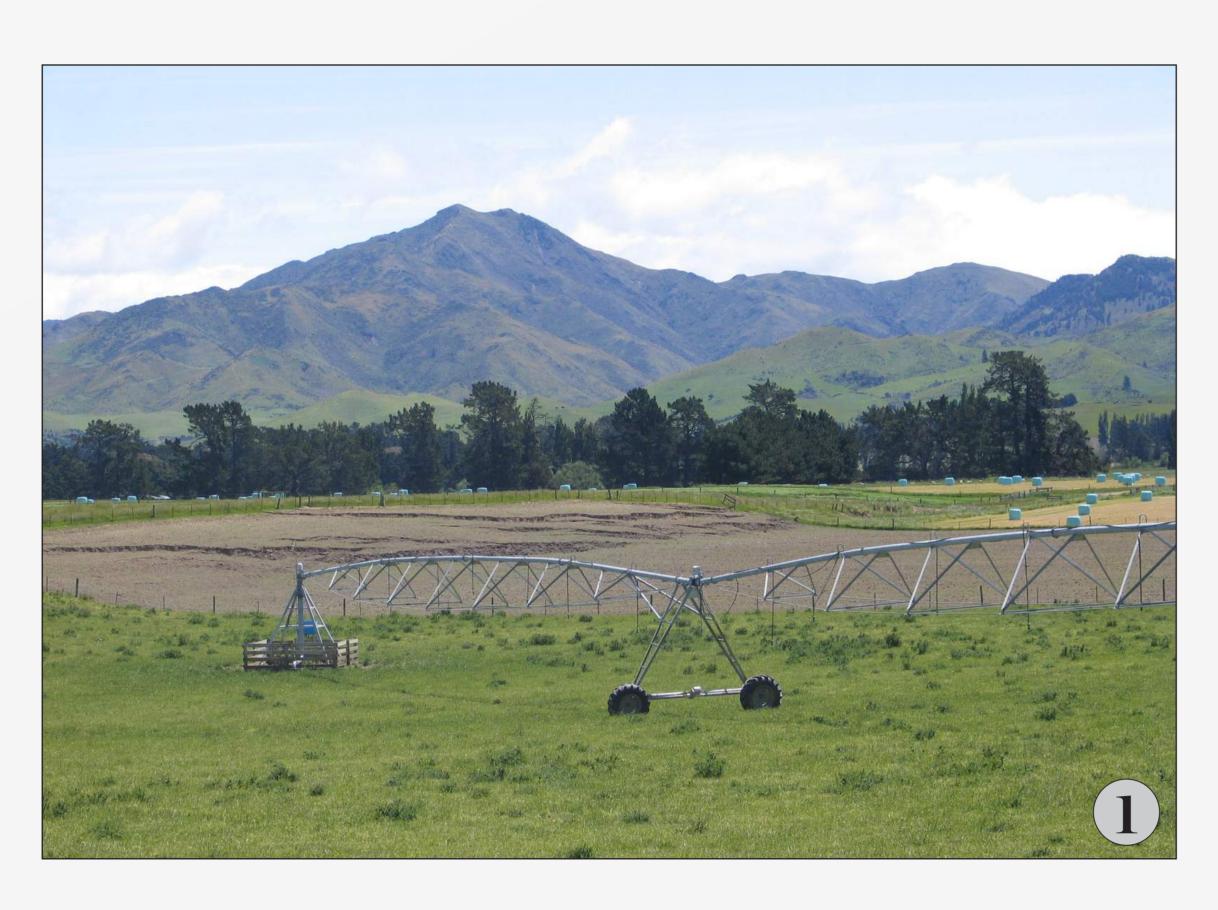
Fault Ruptures: Waiau – Leader Area

 Humps Fault Zone ground surface rupture on NE Emu Plain, between River Rd and Leslie Hills Rd.

Photo credit: Jarg Pettinga

4 Subsidiary NE trending splay of the Willow Bank Strand, Humps Fault Zone. Ground surface fault rupture is an oblique thrust displacement, east side up. Location is 3km north of the Wandle-Mason River confluence, immediately east of Wandleholm.

Photo credit: Kate Pedley



2 The ground surface rupture of the Willow Bank Strand, Humps Fault Zone cutting across Inland Kaikoura Rd north of Chaffeys Rd. Displacement measurements at this locality are ~2.2m horizontally (right lateral) and 1-1.5m vertical.

Photo credit: Jarg Pettinga



3 Photos depicting the horizontal component of ground displacement (2.2m right lateral) on the Willow Bank strand of the Humps Fault Zone, Inland Kaikoura Road north of Chaffeys Rd.

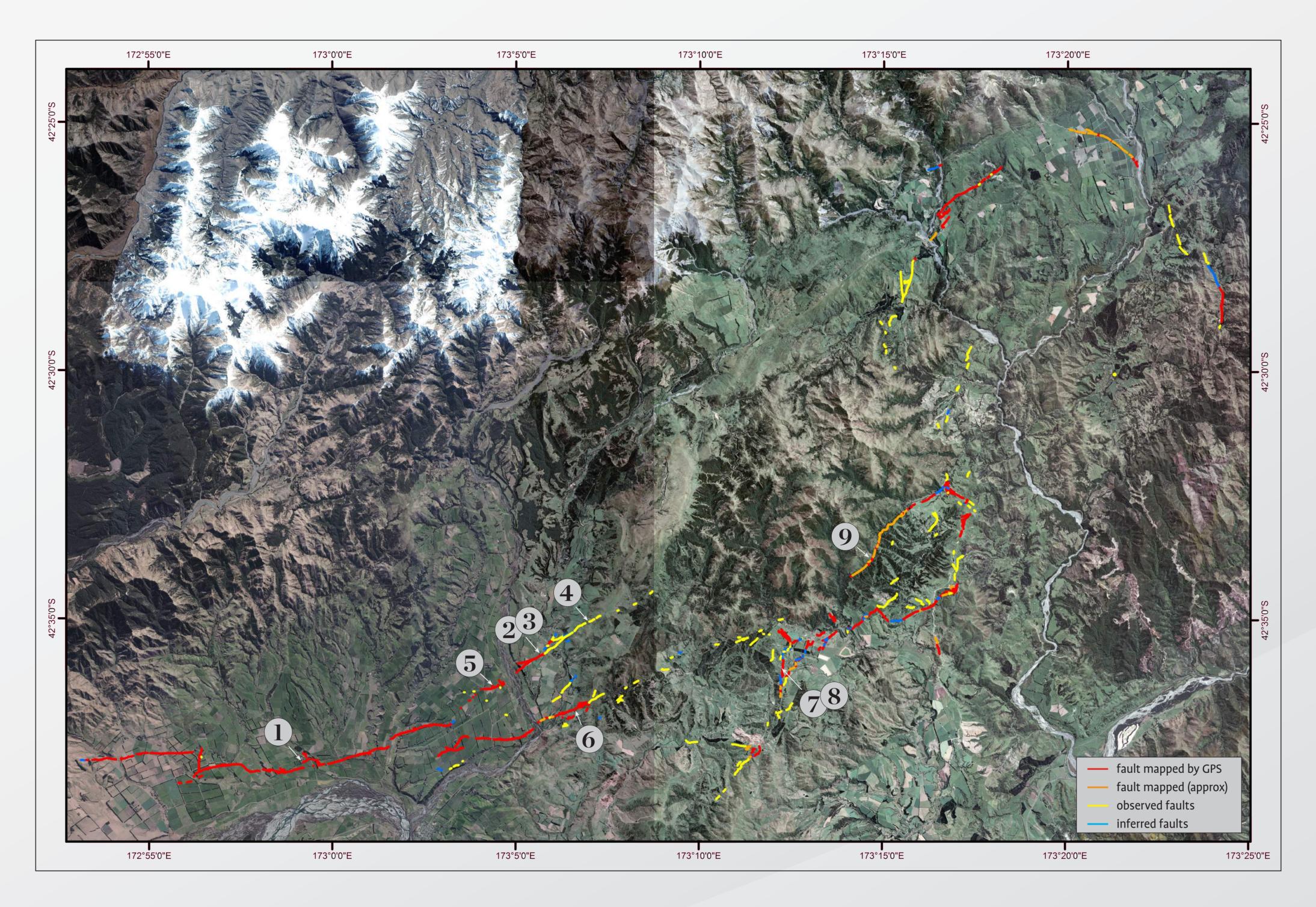
Photo credit: Jarg Pettinga

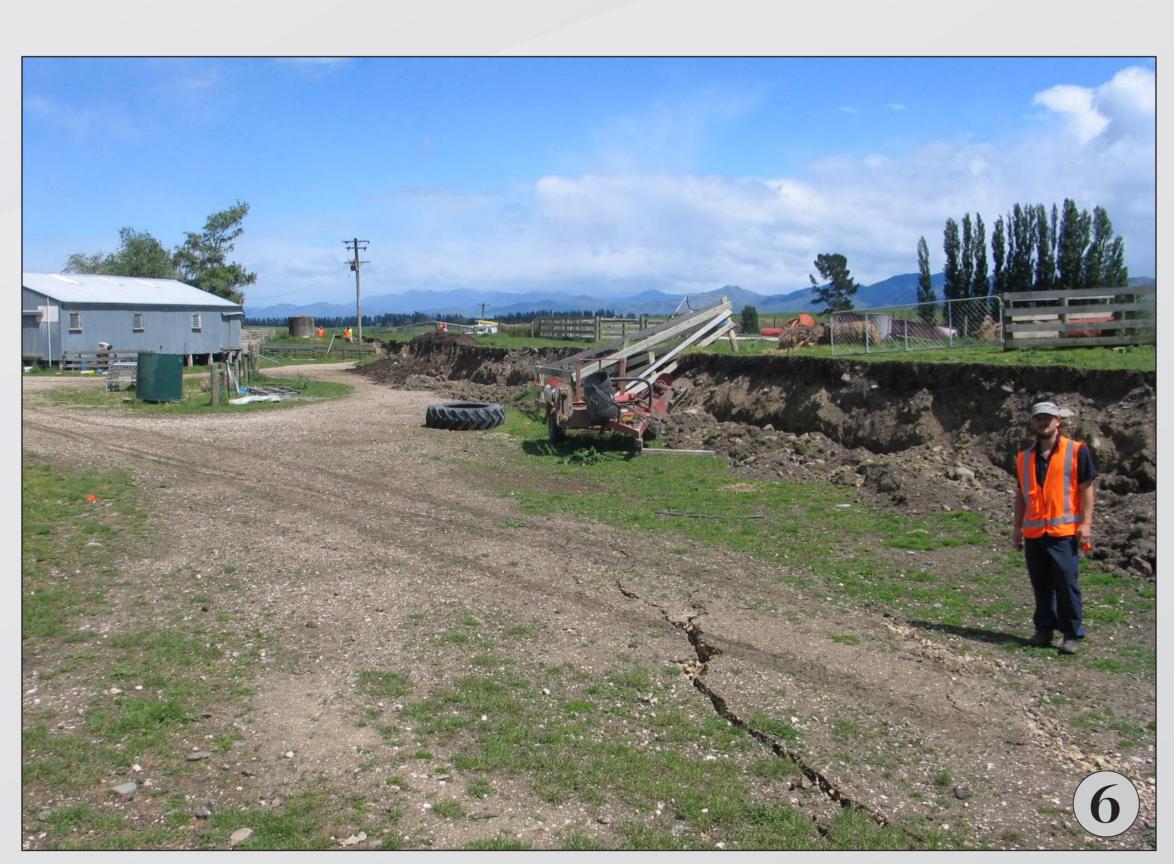




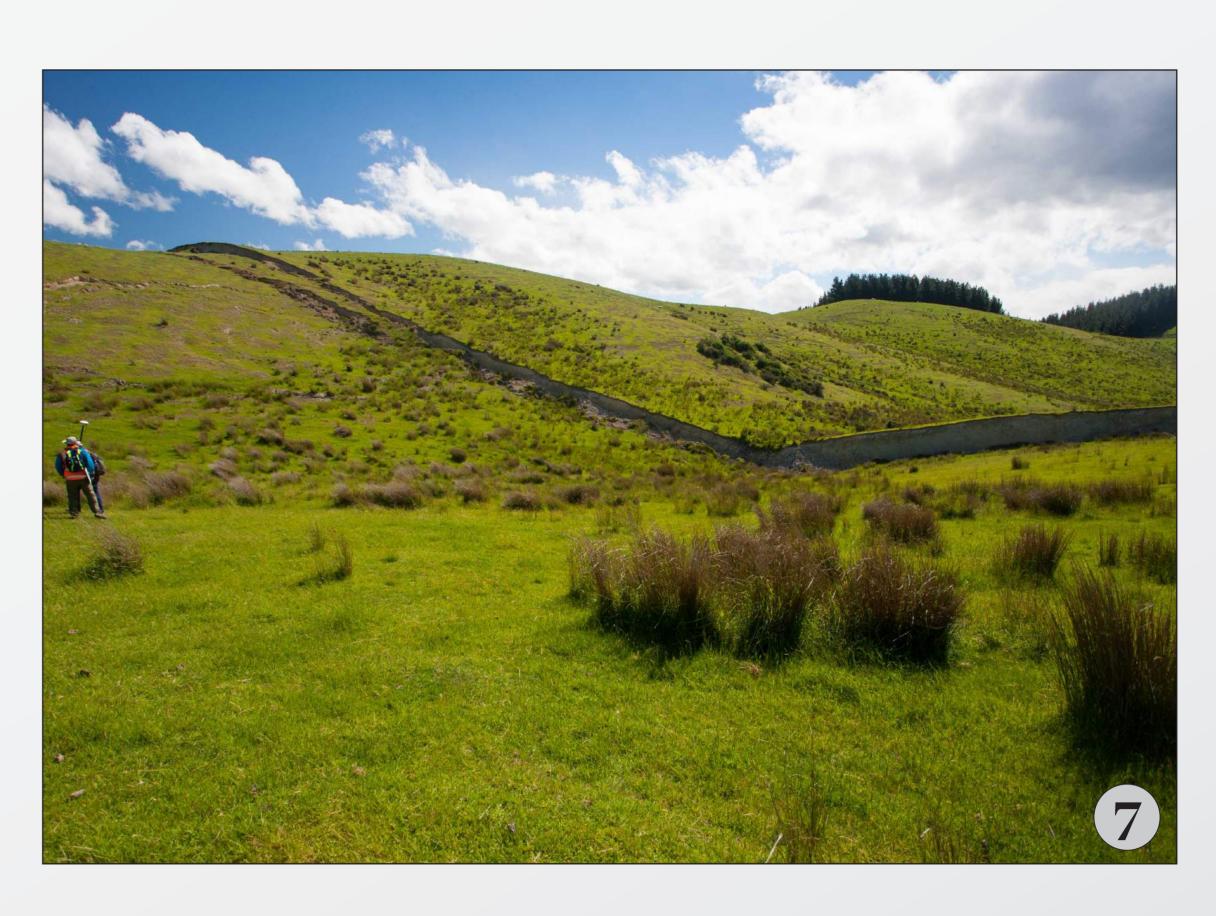


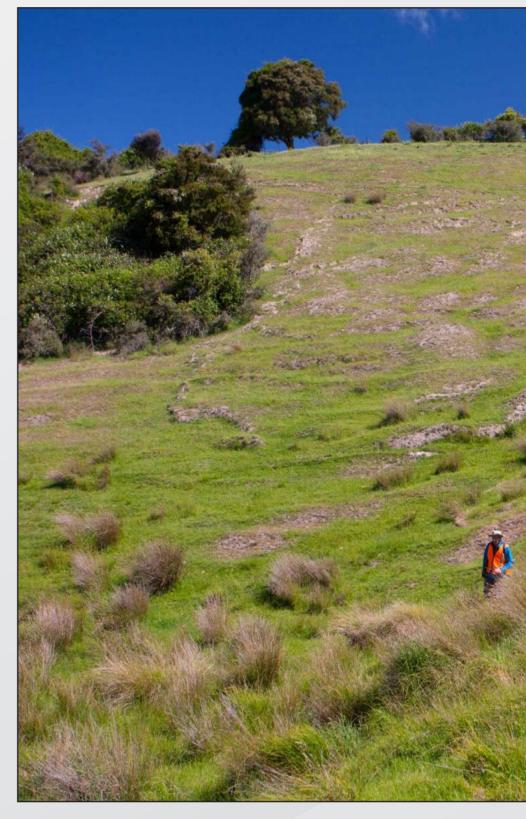


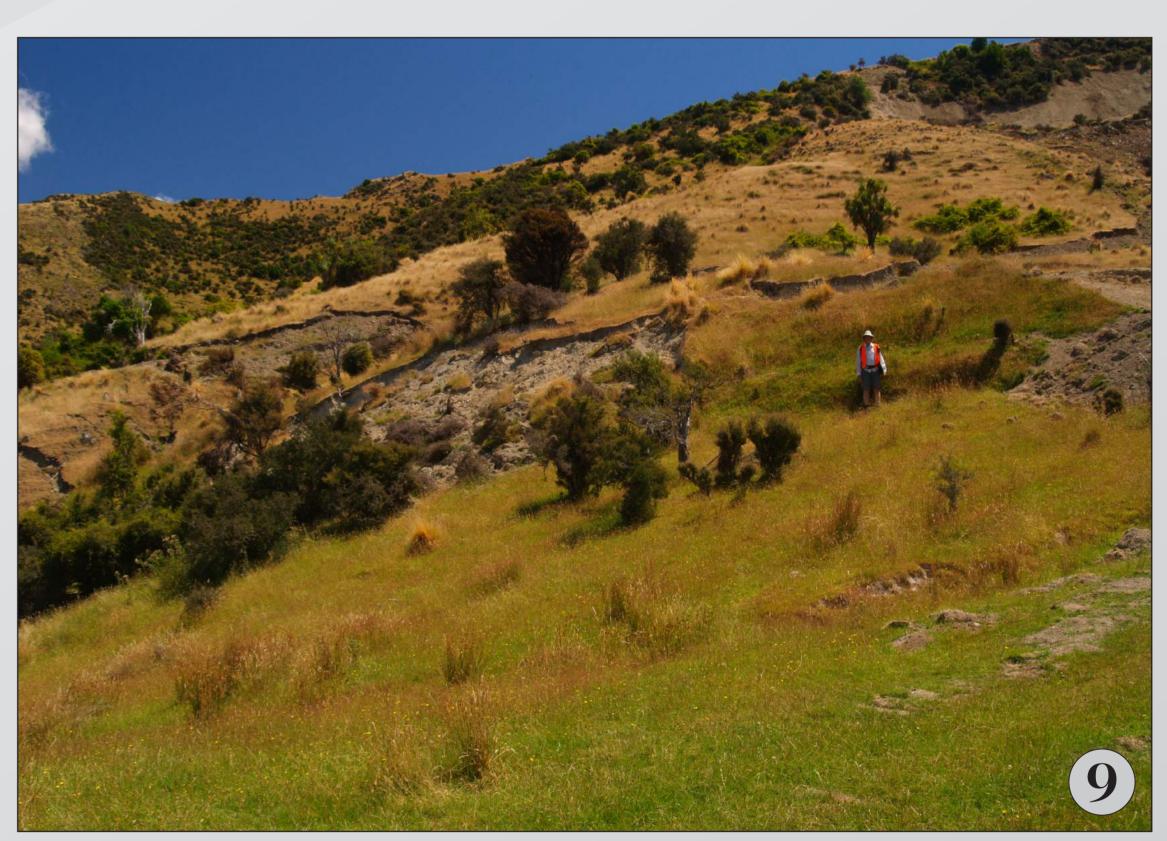












6 Oblique right lateral ground surface rupture (horizontal offset 1.2 m; vertical offset 2.0 m) on Glenbourne Station. Photo credit: Jarg Pettinga

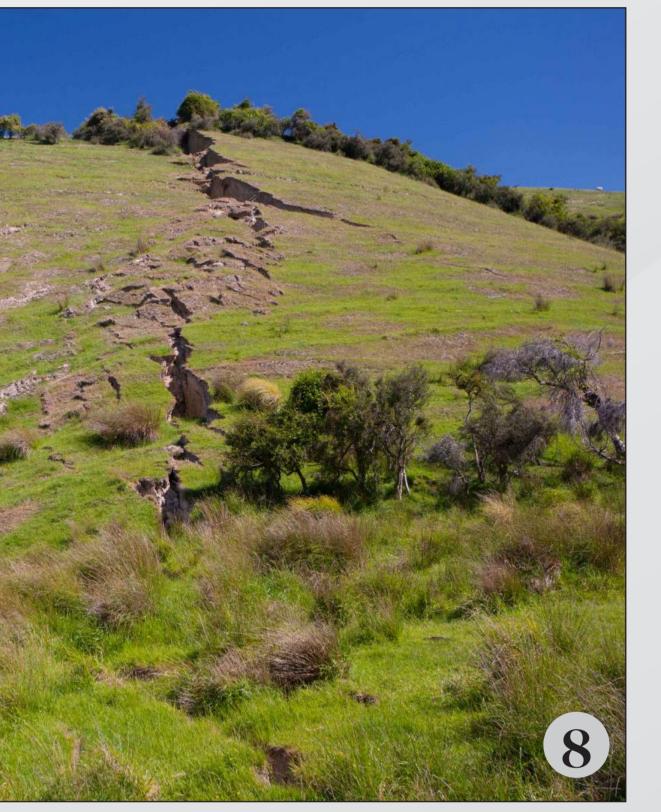


5 Field survey team members Anekant Wandres (UC) and Tim Stahl (University of Michigan) recording details of the southern part of the Willow Bank strand ground surface rupture immediately east of Sherwood Rd.

Photo credit: Kate Pedley

7 The "Woodchester Wall" – Southern Leader Fault ground surface rupture, Woodchester Station. Here the fault displacement is oblique left lateral (horizontal offset ~2.2 m; vertical offset ~3.3 m)

Photo credit: Kate Pedley



8 Complex ground surface rupture zone, Southern Leader Fault, Woodchester Station.

Photo credit: Kate Pedley

9 Northern Leader Fault ground surface rupture along the eastern rangefront of Mt Stewart, Mendip Station. Here the fault displacement is an oblique thrust with 4-5m of vertical offset. Jarg Pettinga (2.0m) is standing at the base of the fault scarp.

Photo credit: Clark Fenton

