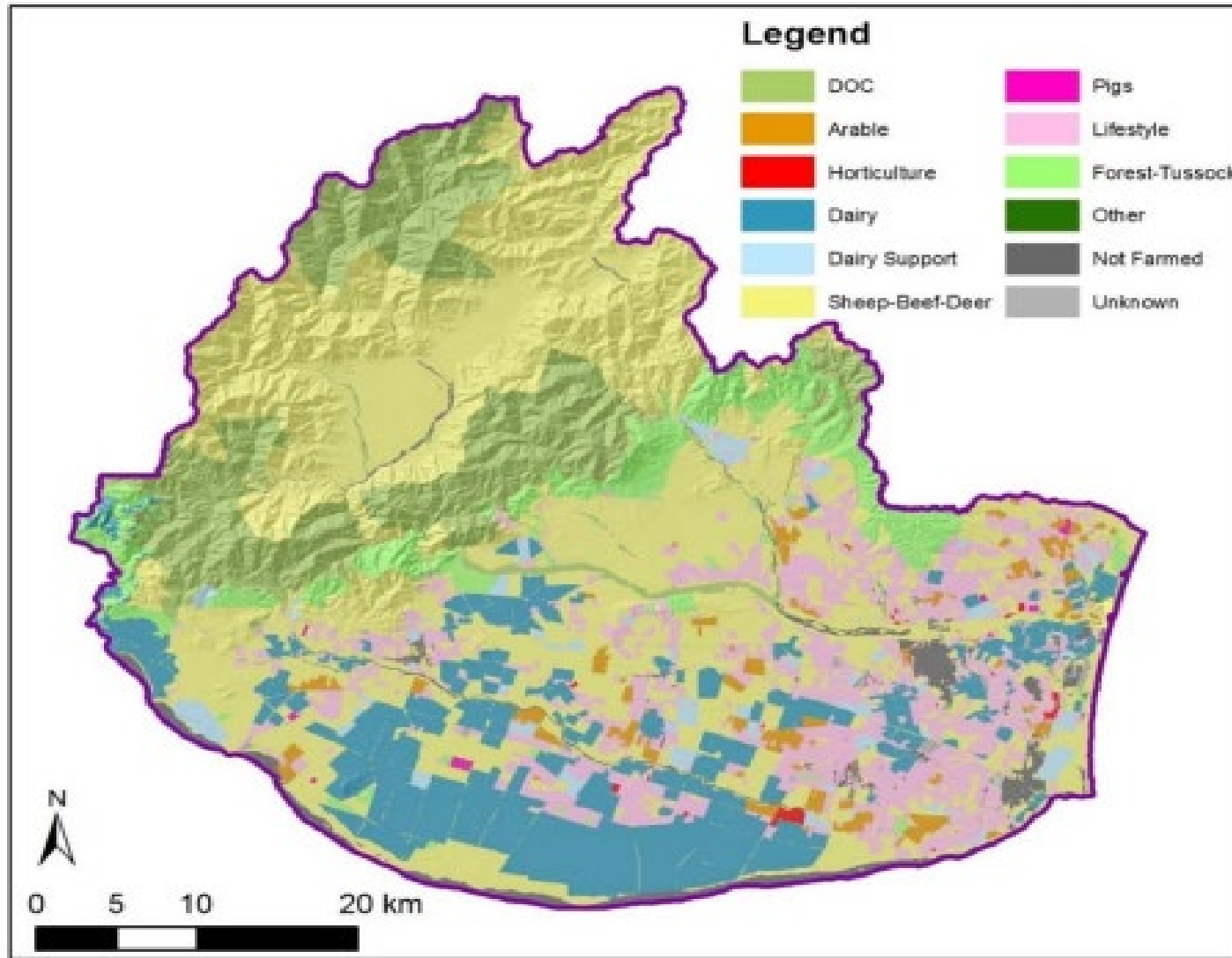


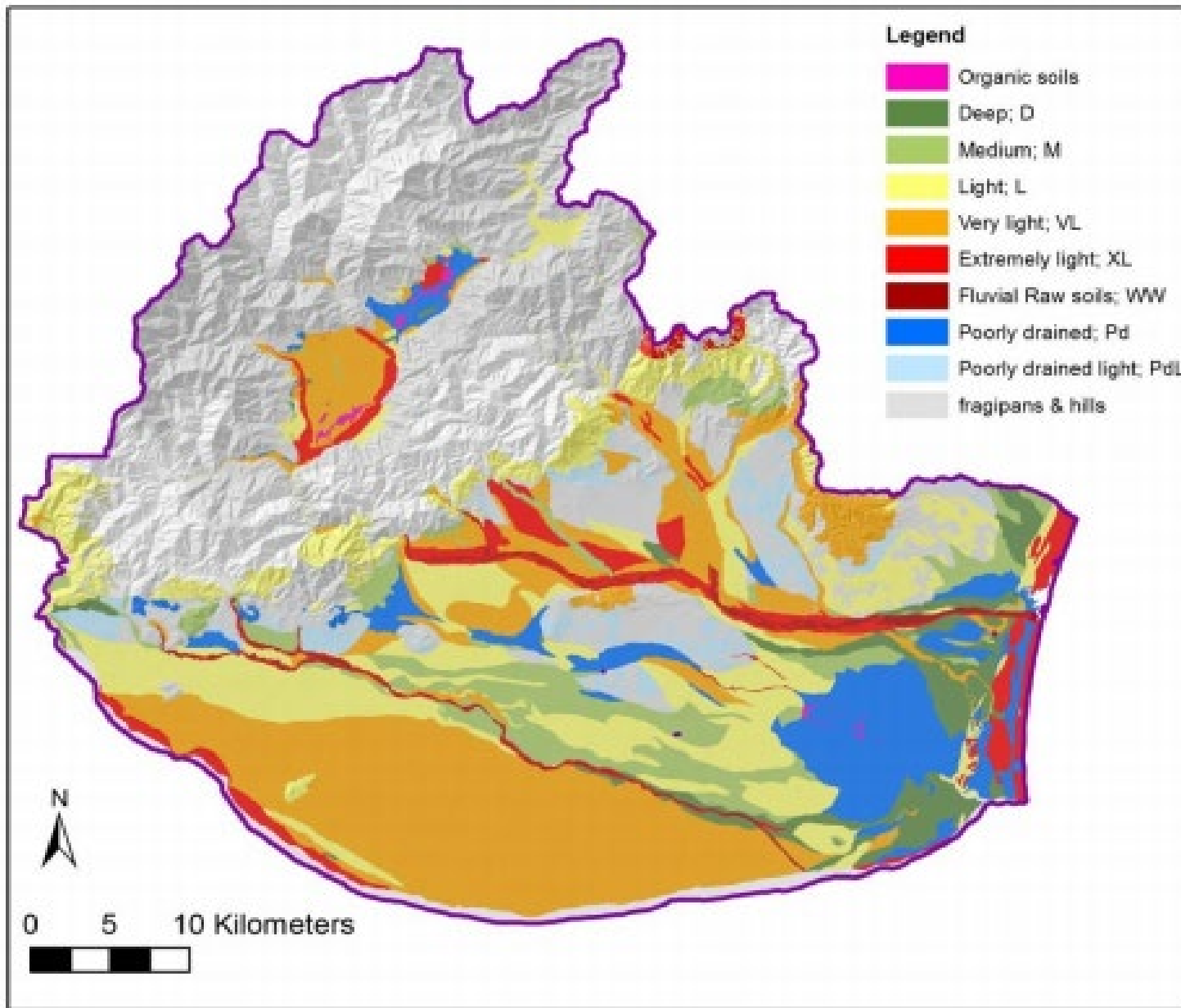
Alan Hawkins

Presentation to Commissioners on behalf of  
As One Incorporated 20 November 2020



**Image credit:** *Preparation of land use and nitrogen loss data for the Waimakariri Zone limit setting process*  
 Prepared for: Environment Canterbury  
 Lilburne, North, Robson-Williams, Mojsilovic.  
 May 2019

**Figure 5 Land use in 2015.**



**Image credit:** *Preparation of land use and nitrogen loss data for the Waimakariri Zone limit setting process Prepared for: Environment Canterbury Lilburne, North, Robson-Williams, Mojsilovic. May 2019*

**Figure 3** MGM Soil classes in the Waimakariri zone modelling area. The upper map shows the soils on the plains (except soils with an impeded layer). The lower map shows the soils with an impeded layer and those on the hills (excluding DOC estate).