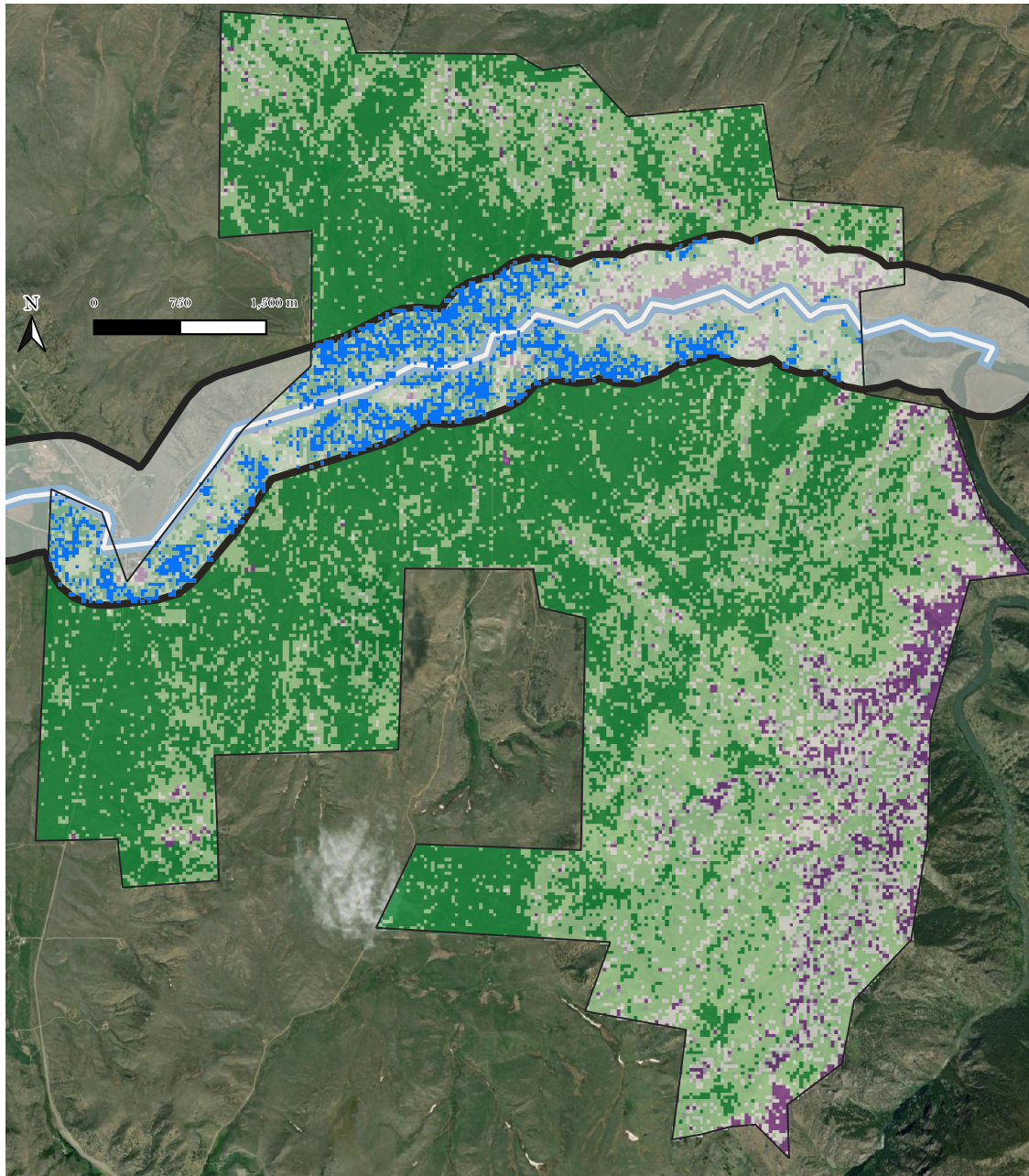


Map 1: Identifying Floodplains with Sentinel-1 RADAR



Utilizing Radar, we can single out the VH return band, which can describe terrain roughness, to which I have categorized. I then Isolated the band to just regions within 500m of the major stream through the area, and identified the areas with the lowest roughness within this area of the stream(visualized in blue).