

Legend

 S36c Variation Application Boundary

 S36c Variation Application Boundary 1 km buffer

 Turbines 250m buffer & roads 100m buffer

Wind farm sub-divisions

 Kergord

 North Nesting

 South Nesting

Figure 5.1: Areas and sub-divisions relevant to ornithology assessment

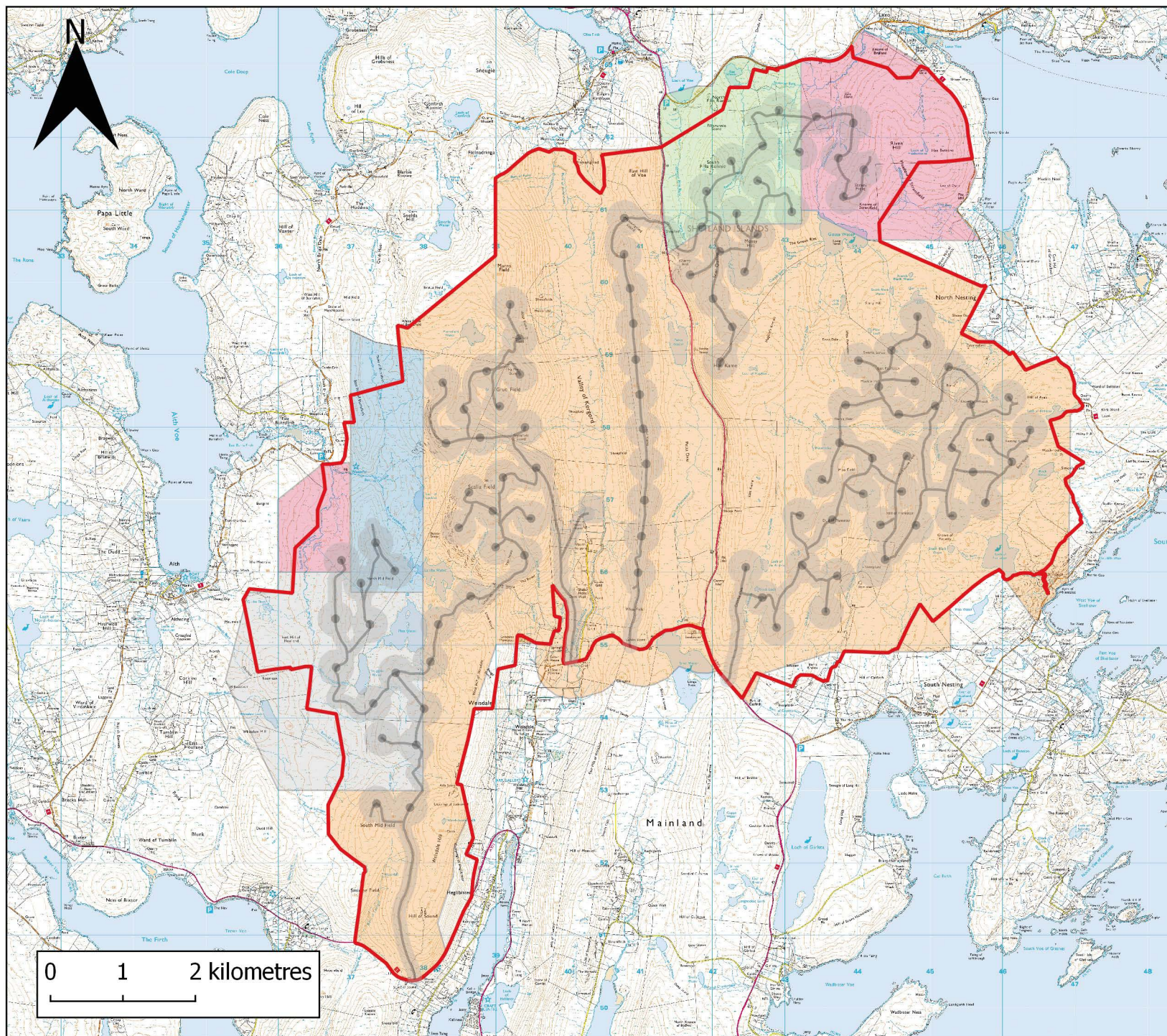
Project Name

Viking Wind Farm

Date

16 October 2018





Legend

 S36c Variation Application Boundary

Turbines 250m buffer
& roads 100m buffer

Moorland Bird Survey,
most recent year of survey

2014

2015

2016

2017

2018

Figure 5.2: Moorland Bird Survey coverage by year

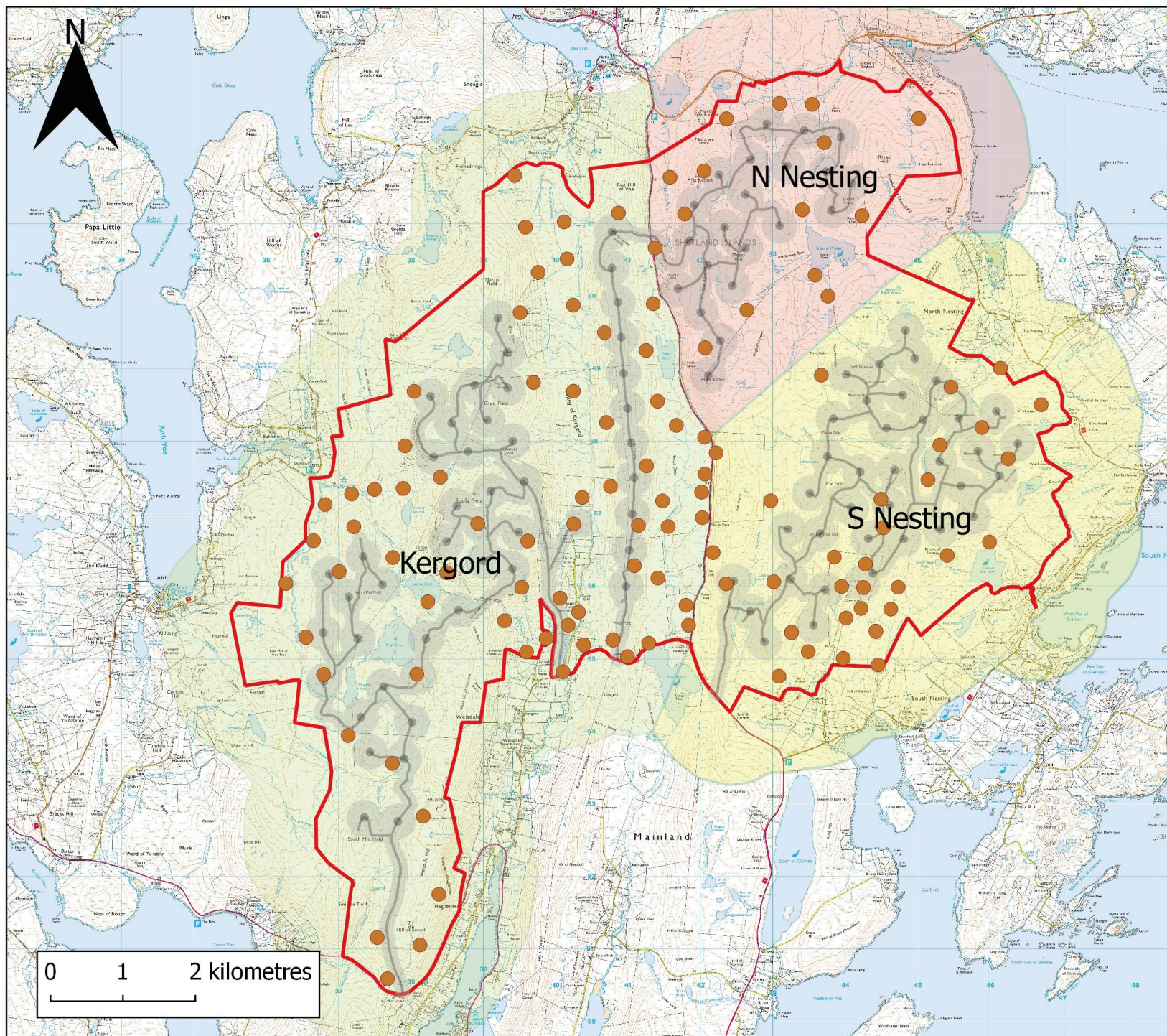
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Legend

- Curlew territory
- S36c Variation Application Boundary
- Turbines 250m buffer & roads 100m buffer

Figure 5.6: Curlew nominal territory centres inside application boundary (based on surveys undertaken 2014-2018)

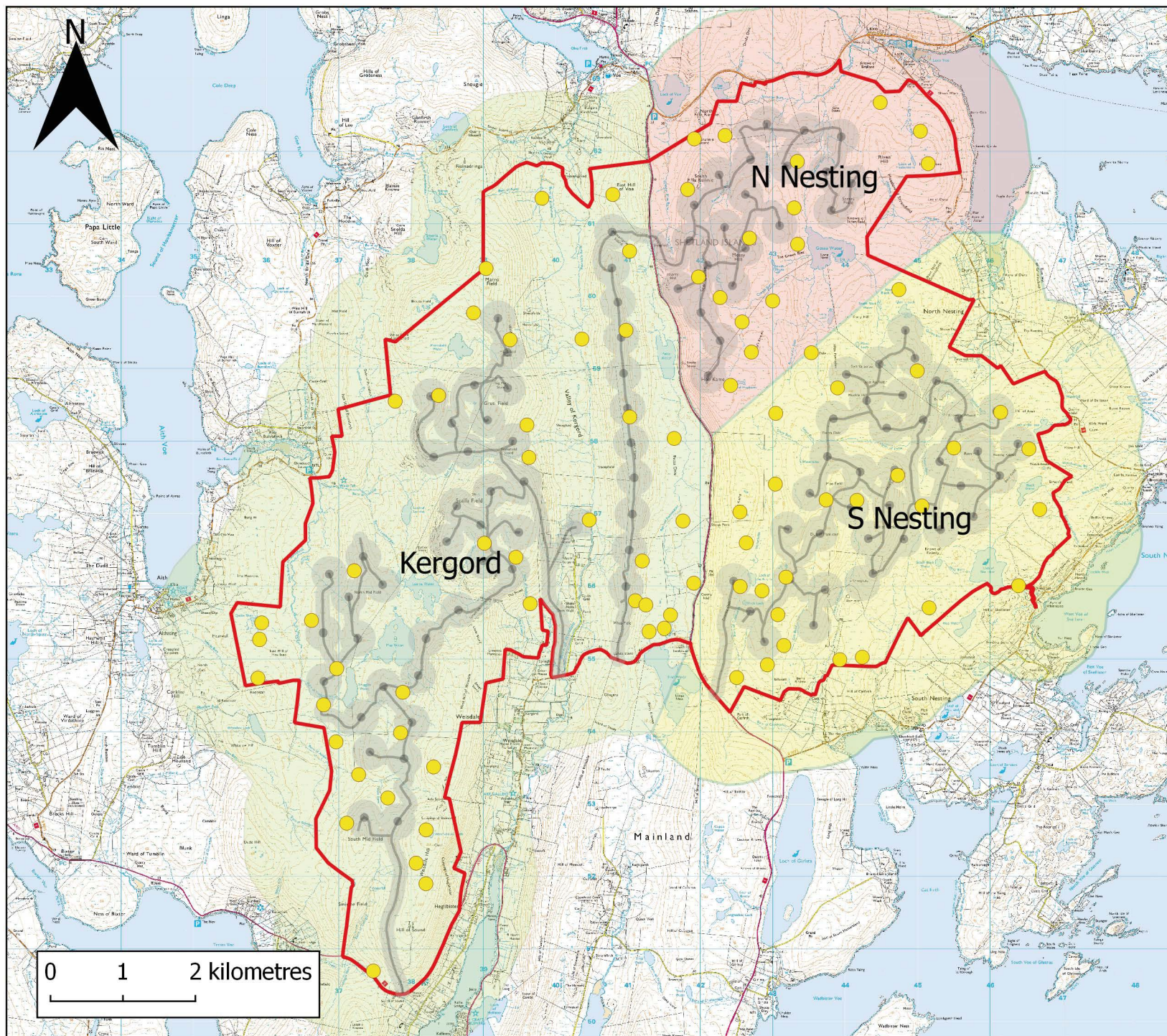
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Legend

- Golden plover territory
- S36c Variation Application Boundary
- Turbines 250m buffer & roads 100m buffer

Figure 5.7: Golden plover nominal territory centres inside application boundary (based on surveys undertaken 2014-2018)

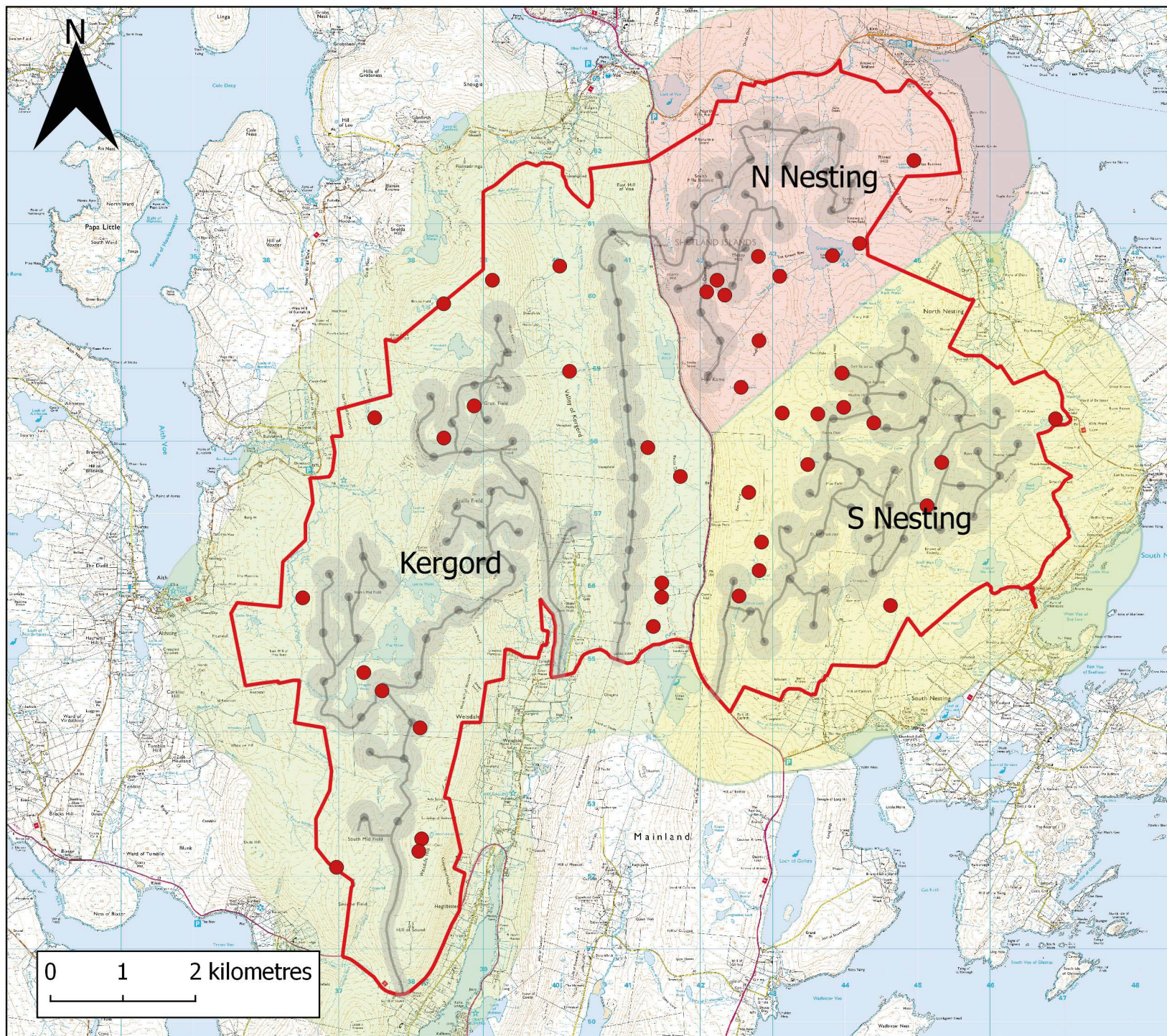
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Legend

- Dunlin territory
- S36c Variation Application Boundary
- Turbines 250m buffer & roads 100m buffer

Figure 5.8: Dunlin nominal territory centres inside application boundary (based on surveys undertaken 2014-2018)

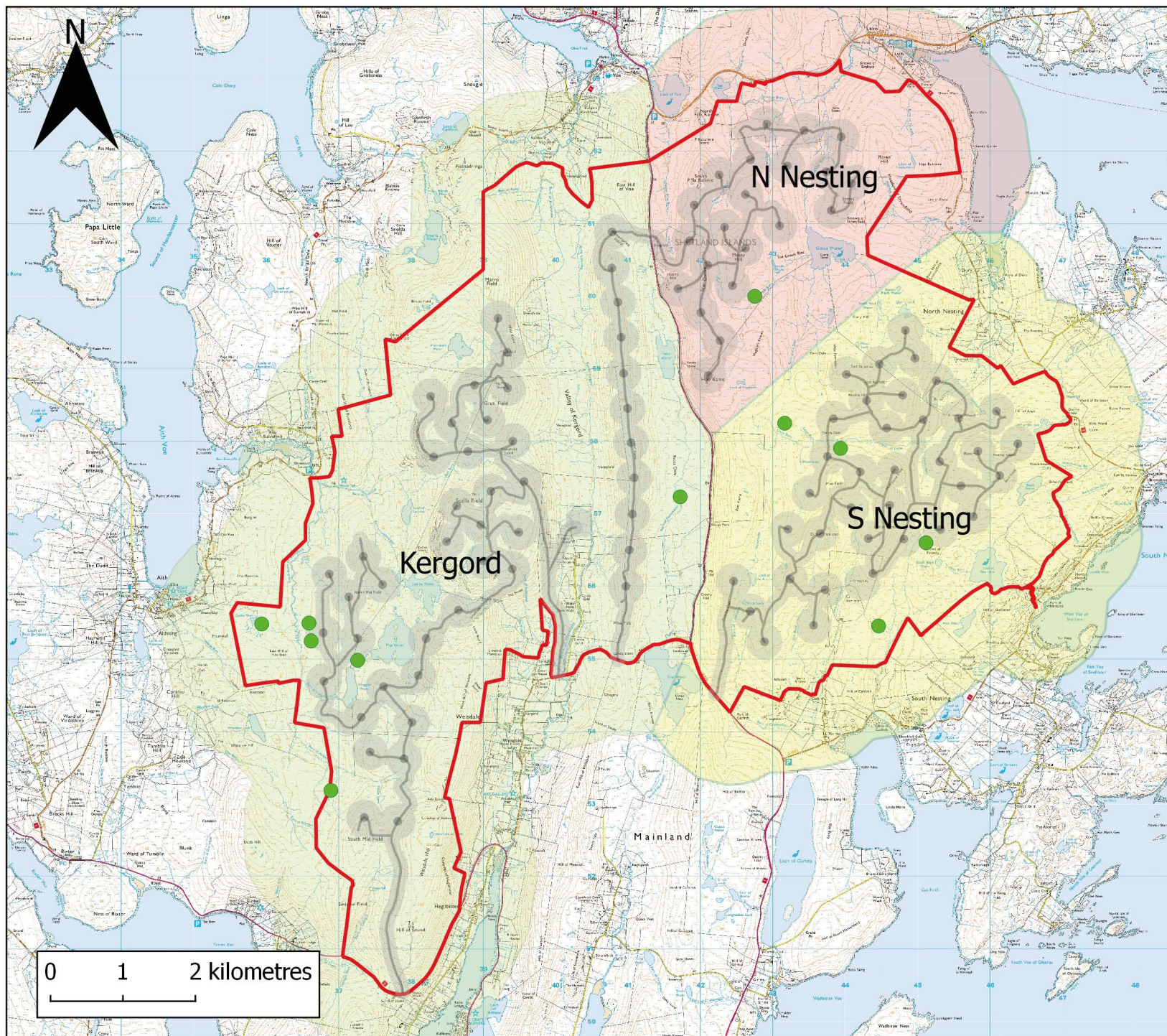
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Legend

- Arctic skua territory
- S36c Variation Application Boundary
- Turbines 250m buffer & roads 100m buffer

Figure 5.9: Arctic skua nominal territory centres inside application boundary (based on surveys undertaken 2014-2018)

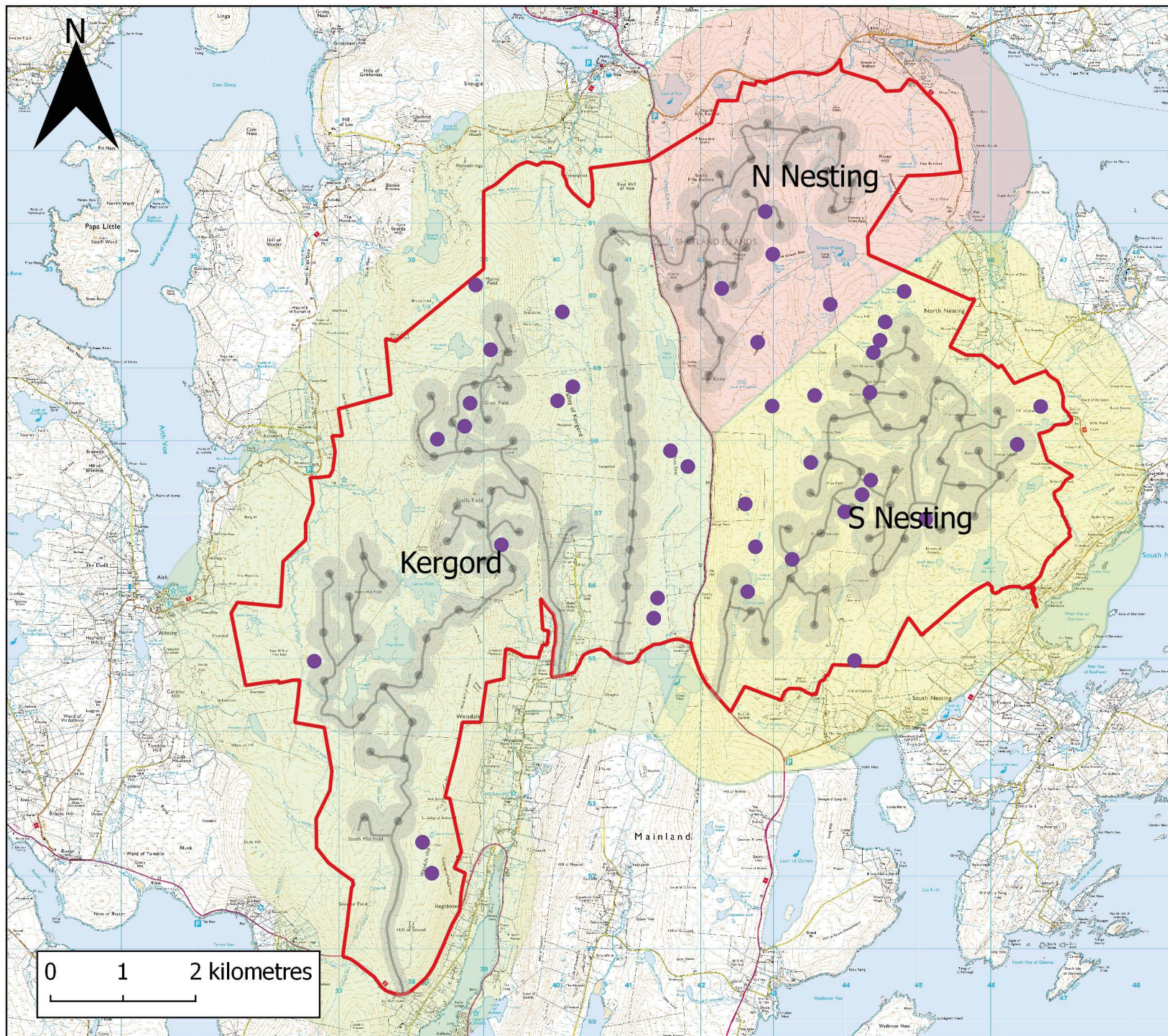
Project Name

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Legend

- Great skua territory
- S36c Variation Application Boundary
- Turbines 250m buffer & roads 100m buffer

Figure 5.10: Great skua nominal territory centres inside application boundary (based on surveys undertaken 2014-2018)

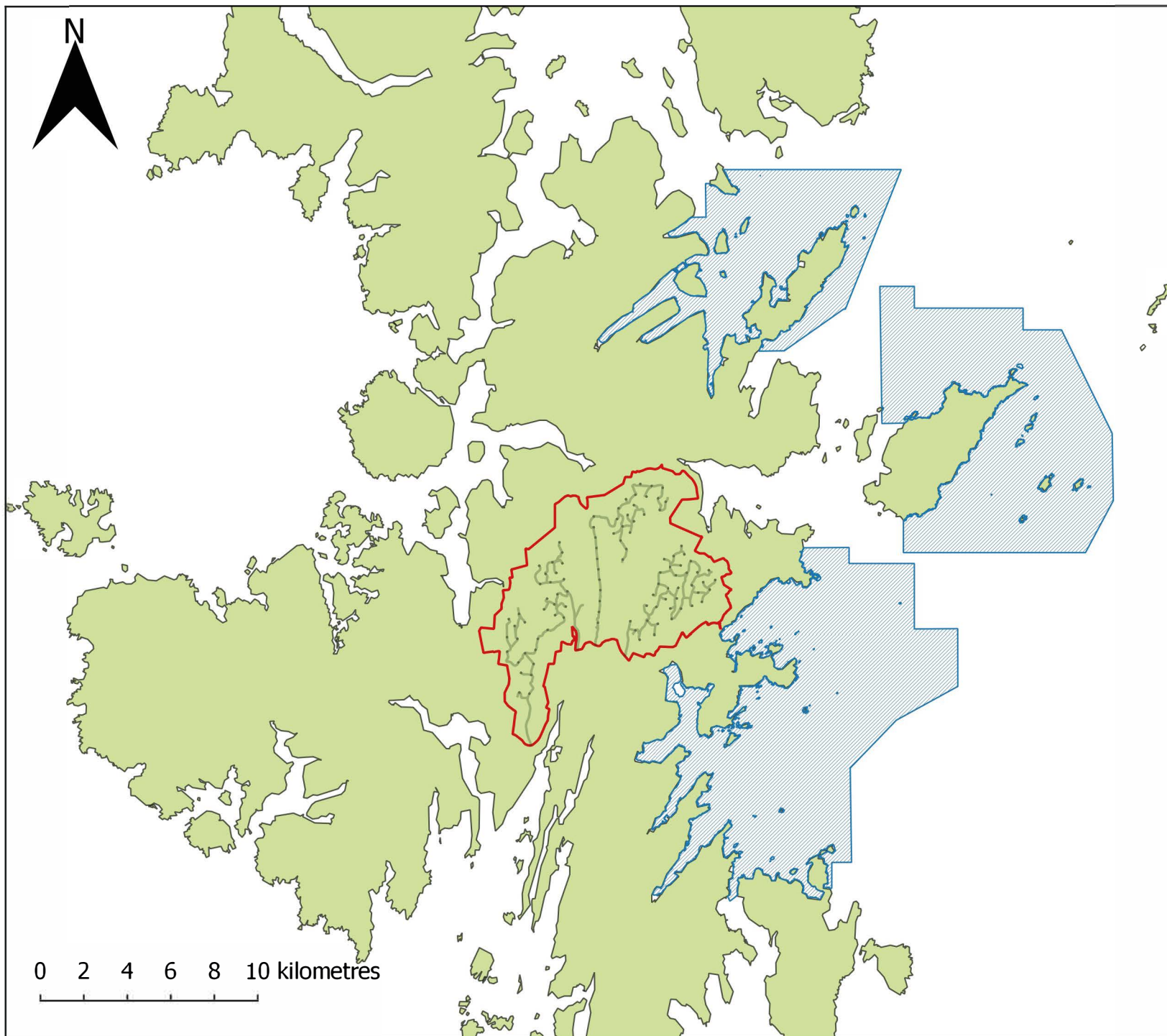
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Legend




-  East Mainland Coast, Shetland pSPA
-  S36c Variation Application Boundary
-  Wind farm infrastructure

Figure 5.11: Location of the East Coast Mainland, Shetland proposed Special Protection Area relative to the s36c variation application

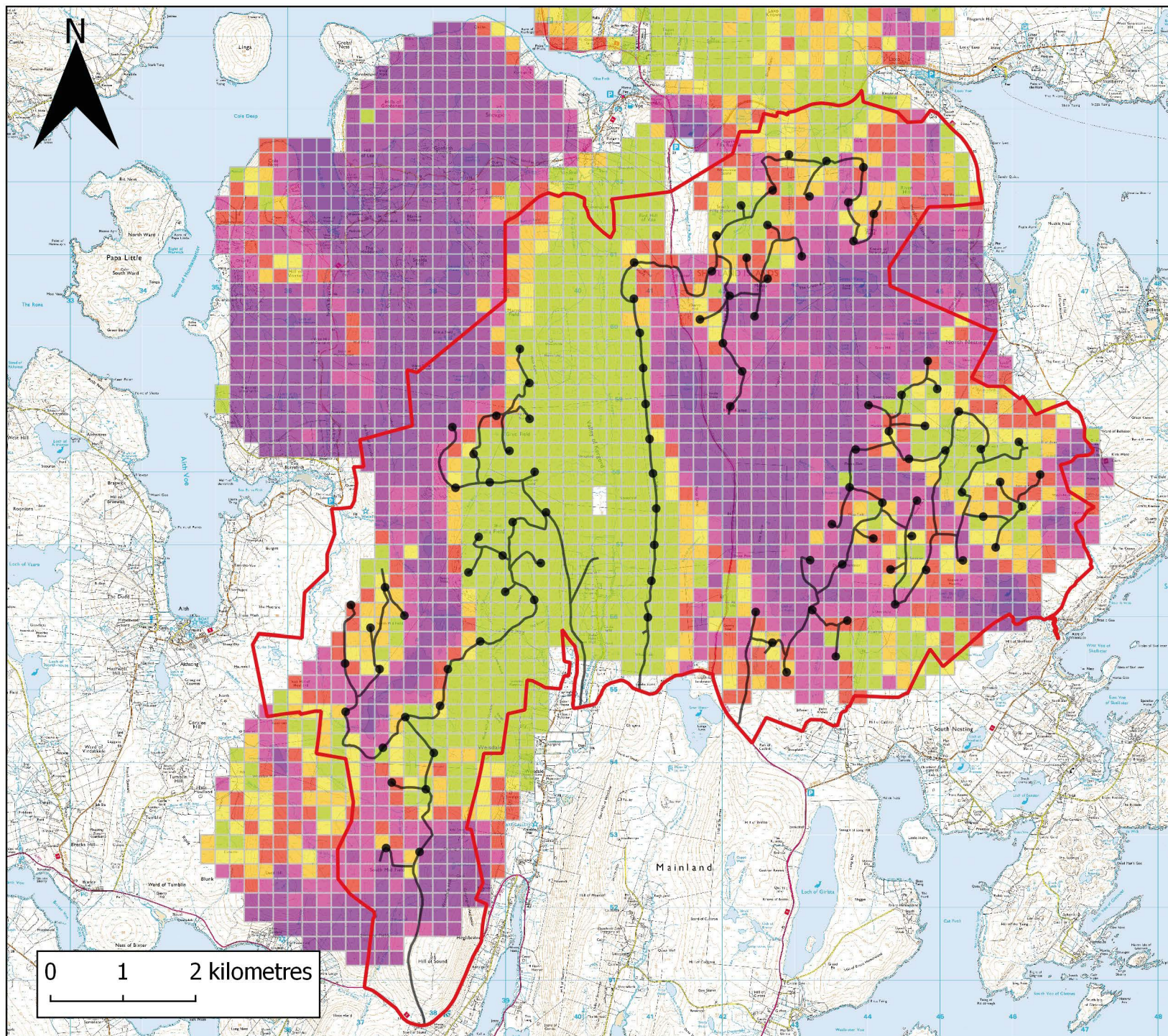
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Diver flight activity

- Very Low, < 3 km
- Low, 3 - 8 km
- Medium Low, 8 - 15 km
- Medium High, 15 - 30 km
- High, 30 - 60 km
- Very High, 60 - 120 km
- Extremely High, > 120 km

- S36c Variation Application Boundary
- Turbines & roads

Figure 5.12: The spatial variation in flight activity by red-throated divers across the southern half of Central Mainland derived from data collected up to 2007.

(NB1: The 200m grid squares are coloured according to the estimated annual flight length (km) in the square. NB2: The data underpinning this figure were the starting point for estimating flight activity in the vicinity of proposed turbines.)

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