

Notes

1.

Legend

- Ex W Existing Watermain
- Indicative Watermain

P03	11 /10/24	AR	AG	SW
P02	17 /04/24	AR	AG	SW
P01	19 /01/24	AG	SW	SW

Rev	Date	By	Chkd	Appd
-----	------	----	------	------

**ARUP**

Arup, 50 Ringsend Road  
Dublin, D04 T6X0  
www.arup.com  
Tel +353(0)1 233 4455

Client  
**Dun Laoghaire-Rathdown  
County Council**

Project Title  
**Infrastructure Capacity Assessment  
Study (ICAS) for Old Connaught and  
Rathmichael**

Drawing Title  
**Preferred Watermain Strategy for  
Rathmichael LAP Area  
Sheet 1 of 2**

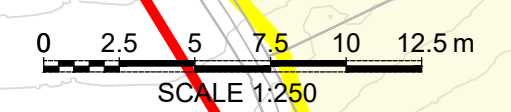
Scale at A1 1:2500

Role Infrastructure

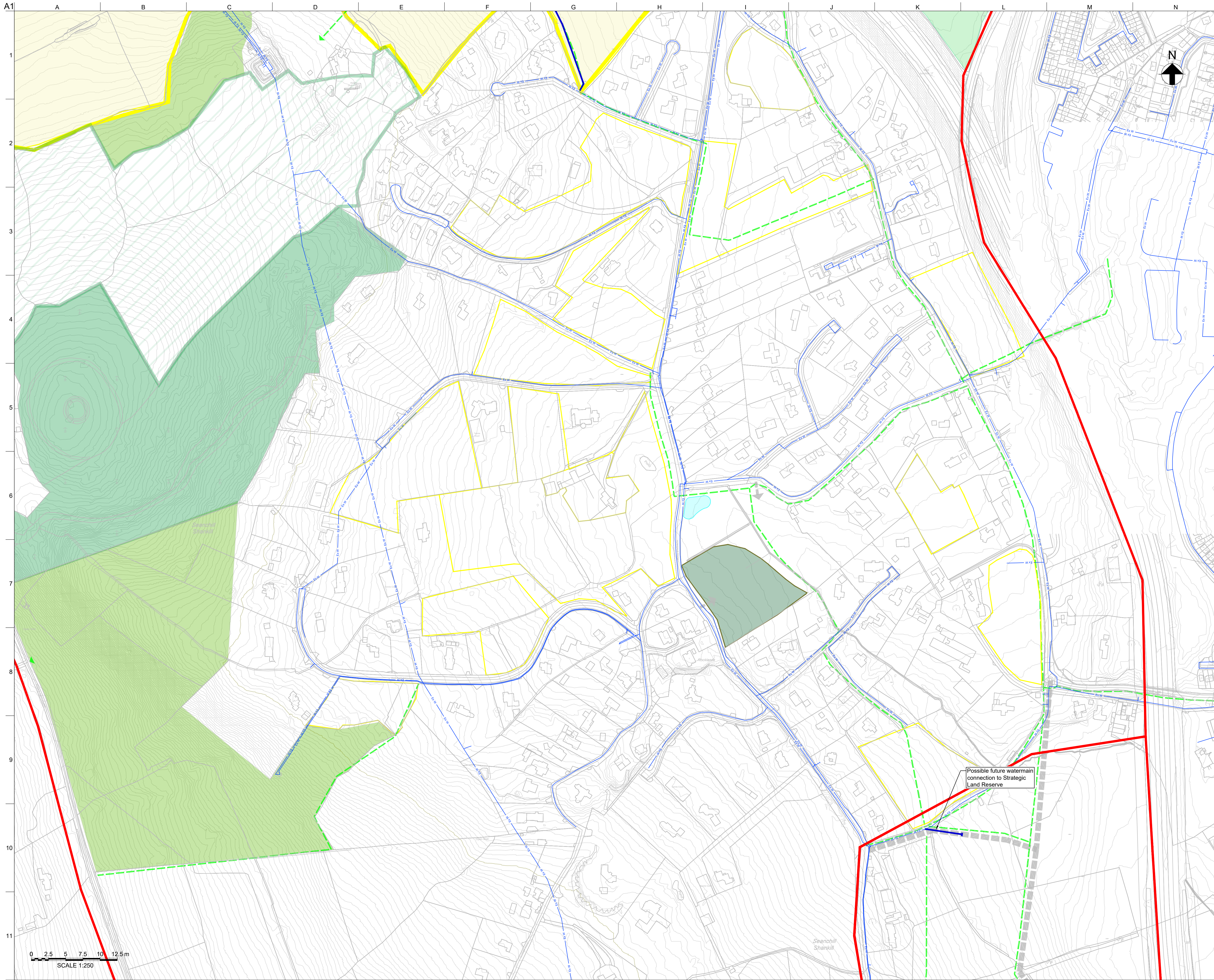
Suitability S0 - Work in Progress

Arup Job No **295742-00** Rev **P03**

Name **295742-ARUP-ZZ-DR-C-0021**







Notes

1.

Legend

- Ex W Existing Watermain
- Indicative Watermain

P03	11 /10/24	AR	AG	SW
P02	17 /04/24	AR	AG	SW
P01	19 /01/24	AG	SW	SW

Rev	Date	By	Chkd	Appd
-----	------	----	------	------

**ARUP**

Arup, 50 Ringsend Road  
Dublin, D04 T6X0  
www.arup.com  
Tel +353(0)1 233 4455

Client  
**Dun Laoghaire-Rathdown  
County Council**

Project Title  
**Infrastructure Capacity Assessment  
Study (ICAS) for Old Connaught and  
Rathmichael**

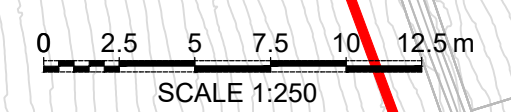
Drawing Title  
**Preferred Watermain Strategy for  
Rathmichael LAP Area  
Sheet 2 of 2**

Scale at A1 1:2500

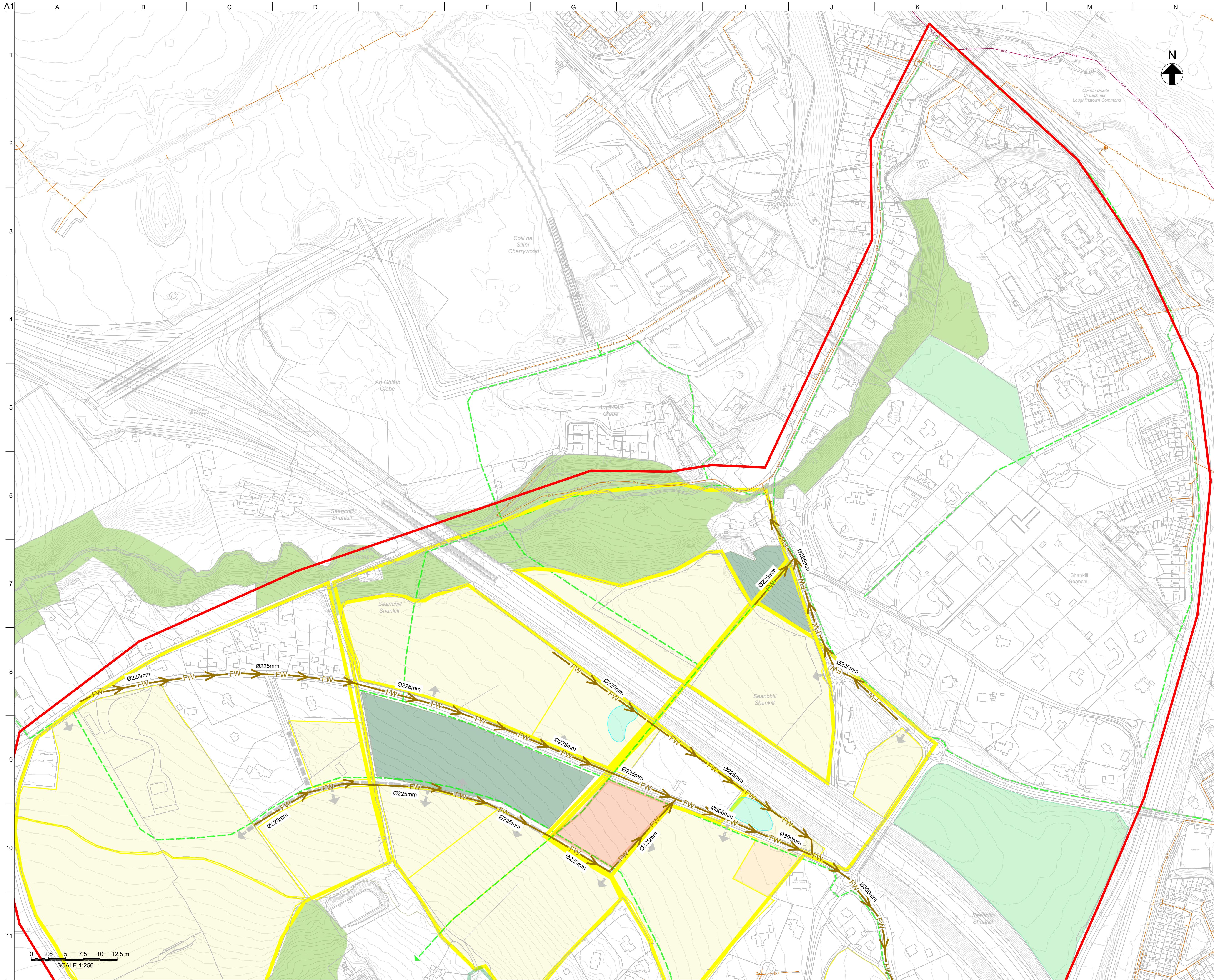
Role Infrastructure

Suitability S0 - Work in Progress

Arup Job No <b>295742-00</b>	Rev <b>P03</b>
Name <b>295742-ARUP-ZZ-DR-C-0022</b>	







Notes

1.

Legend

- Ex F Existing Wastewater pipe
- Ø225mm Indicative Wastewater pipe
- RM Indicative Rising Main
- Indicative Pumping Station

P03	11 /10/24	AR	AG	SW
P02	17 /04/24	AR	AG	SW
P01	19 /01/24	AG	SW	SW

Rev	Date	By	Chkd	Appd

**ARUP**

Arup, 50 Ringsend Road  
Dublin, D04 T6X0  
www.arup.com  
Tel +353(0)1 233 4455

Client  
**Dun Laoghaire-Rathdown  
County Council**

Project Title  
**Infrastructure Capacity Assessment  
Study (ICAS) for Old Connaught and  
Rathmichael**

Drawing Title  
**Preferred Wastewater Strategy for  
Rathmichael LAP Area  
Sheet 1 of 2**

Scale at A1  
1:2500

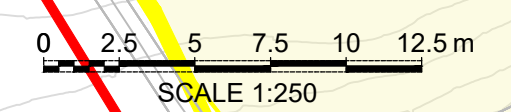
Role  
Infrastructure

Suitability  
S0 - Work in Progress

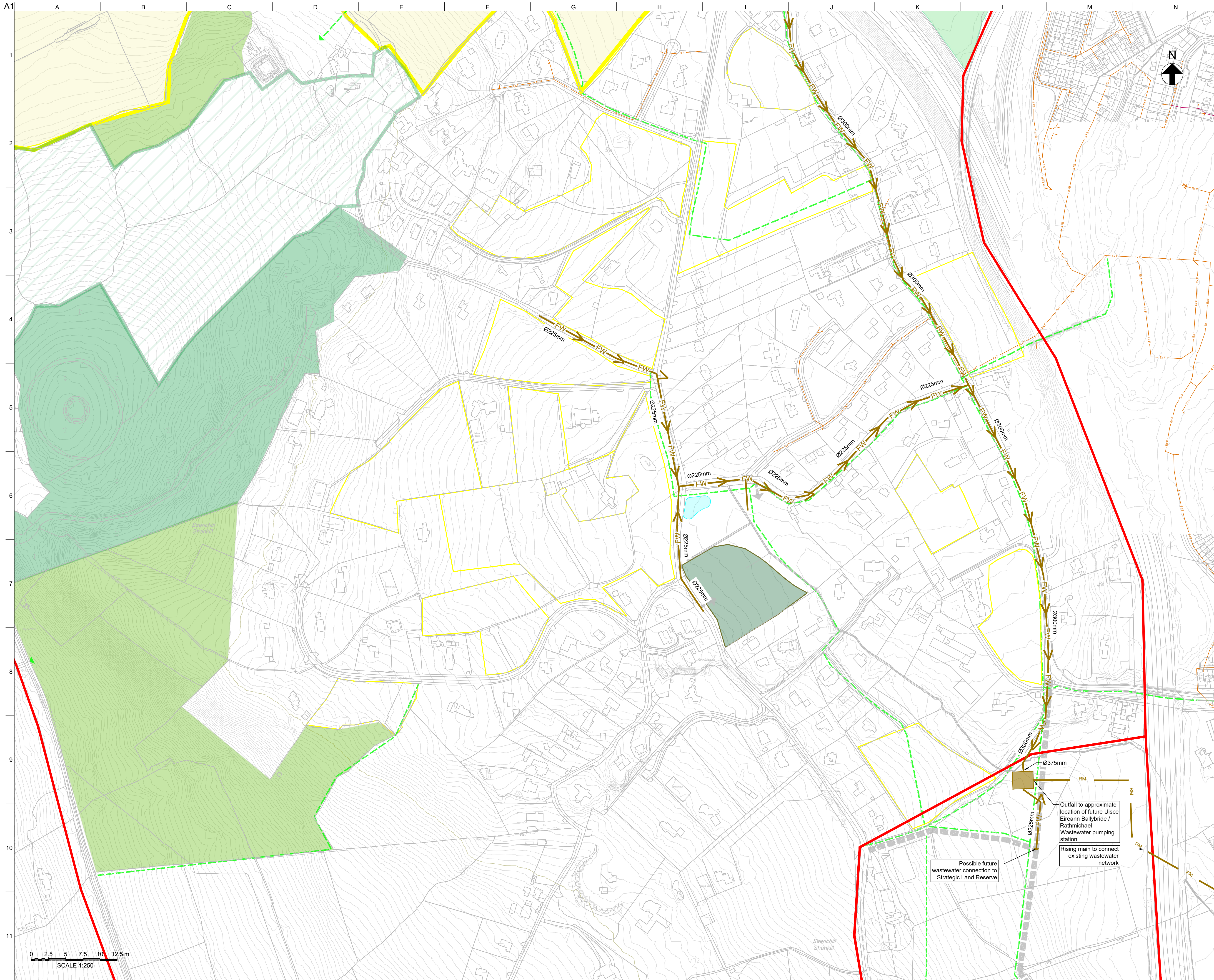
Arup Job No  
**295742-00**

Rev  
**P03**

Name  
**295742-ARUP-ZZ-DR-C-0031**







Notes

1.

**Legend**

- Ex F Existing Wastewater pipe
- $\varnothing$ 225mm Indicative Wastewater pipe
- RM Indicative Rising Main
- Indicative Pumping Station

P03	11 /10/24	AR	AG	SW
P02	17 /04/24	AR	AG	SW
P01	19 /01/24	AG	SW	SW

Rev	Date	By	Chkd	Appd

**ARUP**

Arup, 50 Ringsend Road  
 Dublin, D04 T6X0  
 www.arup.com  
 Tel +353(0)1 233 4455

Client  
**Dun Laoghaire-Rathdown  
 County Council**

Project Title  
**Infrastructure Capacity Assessment  
 Study (ICAS) for Old Connaught and  
 Rathmichael**

Drawing Title  
**Preferred Wastewater Strategy for  
 Rathmichael LAP Area  
 Sheet 2 of 2**

Scale at A1  
 1:2500

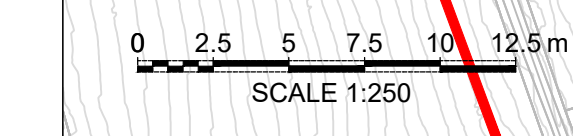
Role  
 Infrastructure

Suitability  
 S0 - Work in Progress

Arup Job No  
**295742-00**

Name  
**295742-ARUP-ZZ-DR-C-0032**

Rev  
**P03**

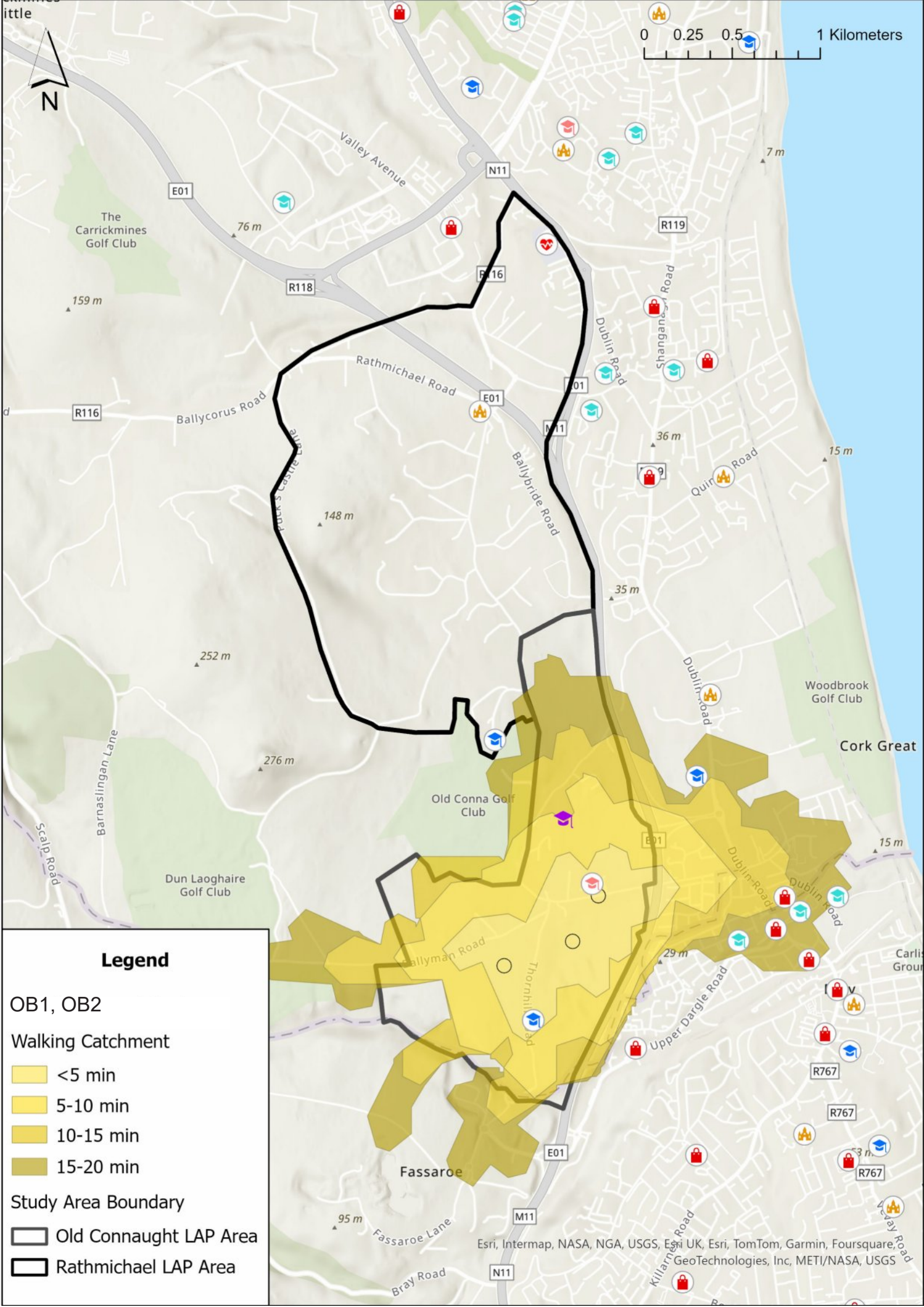




# Appendix E

## Catchment Maps





**Legend**

OB1, OB2

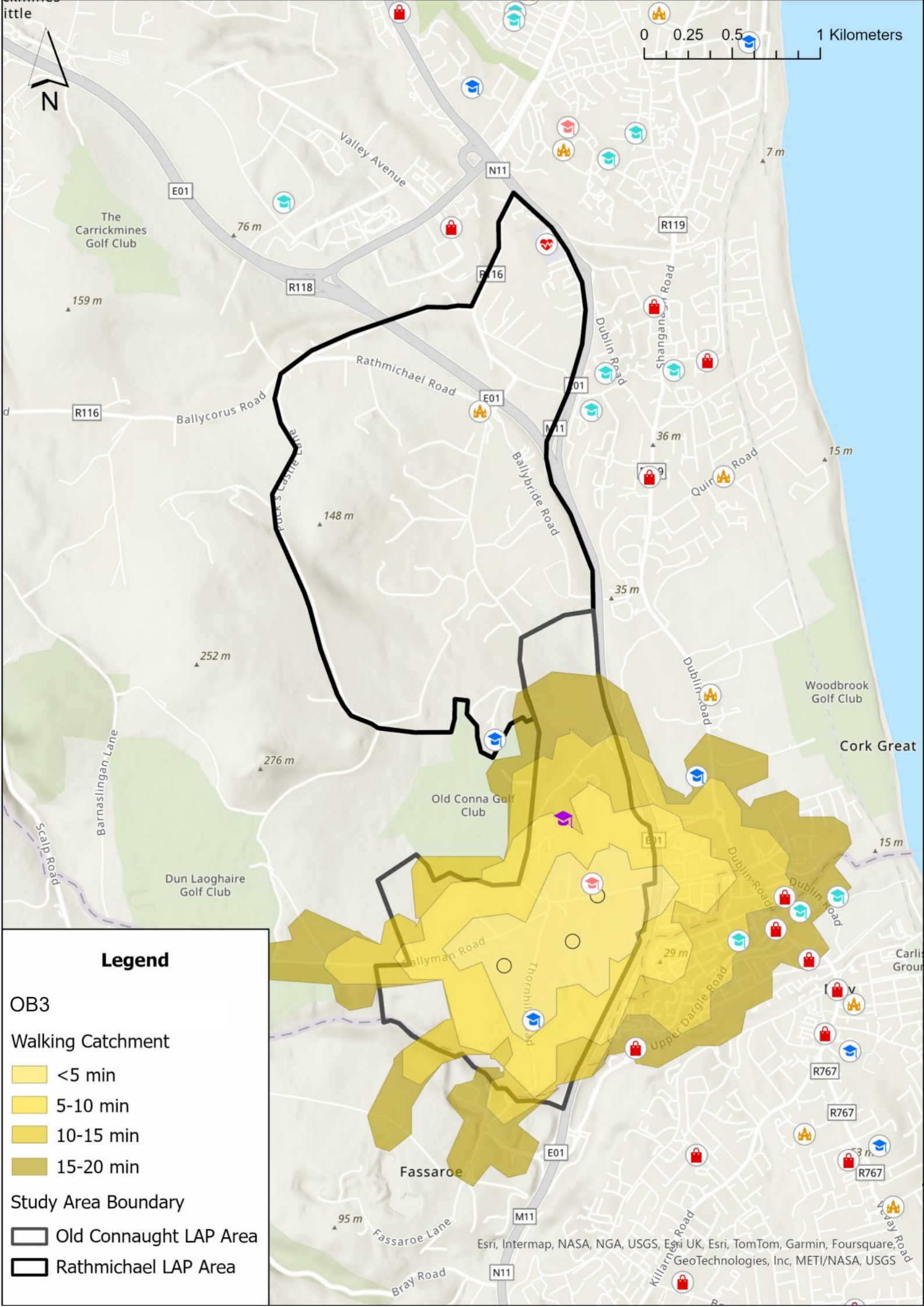
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

OB3

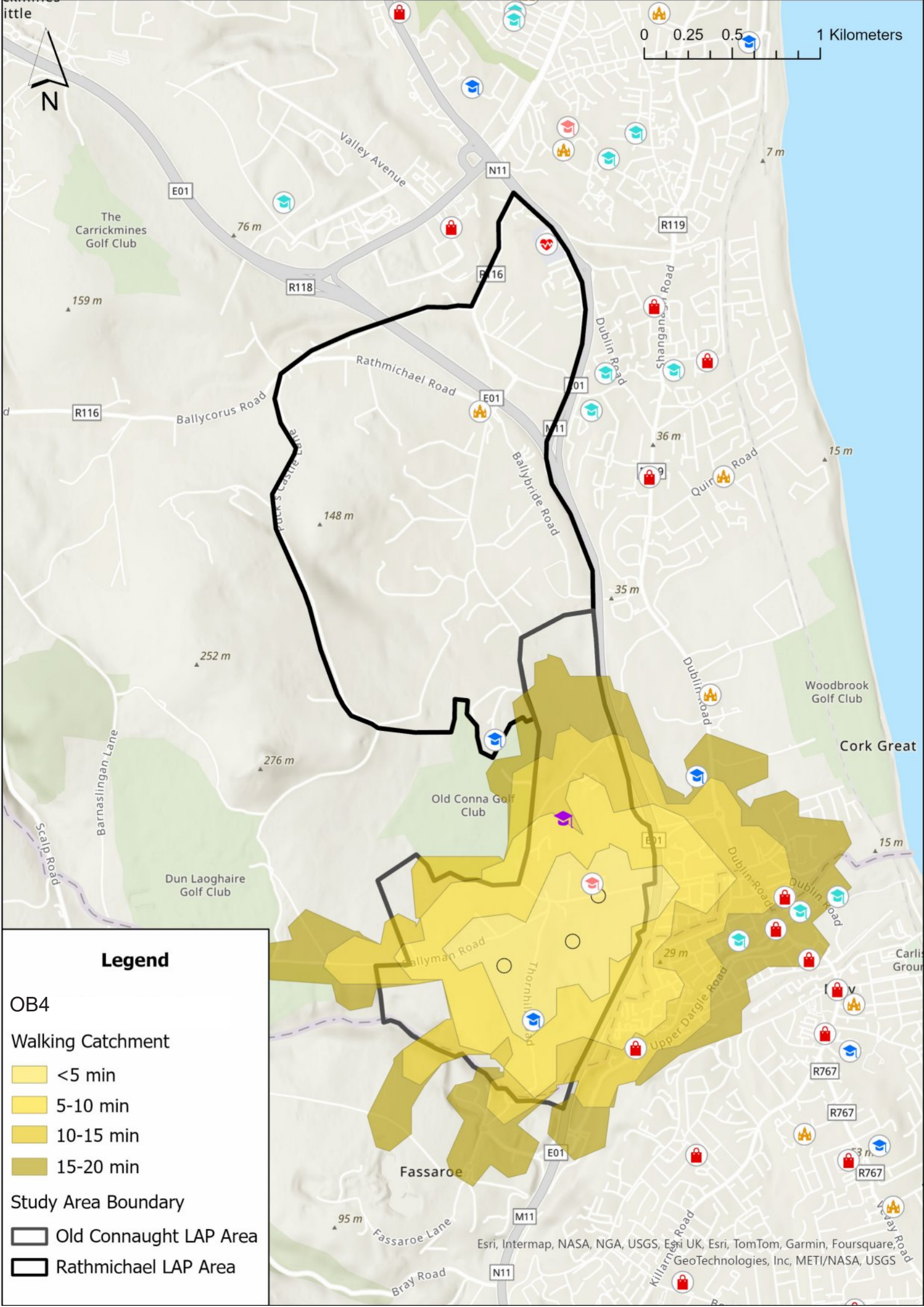
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

OB4

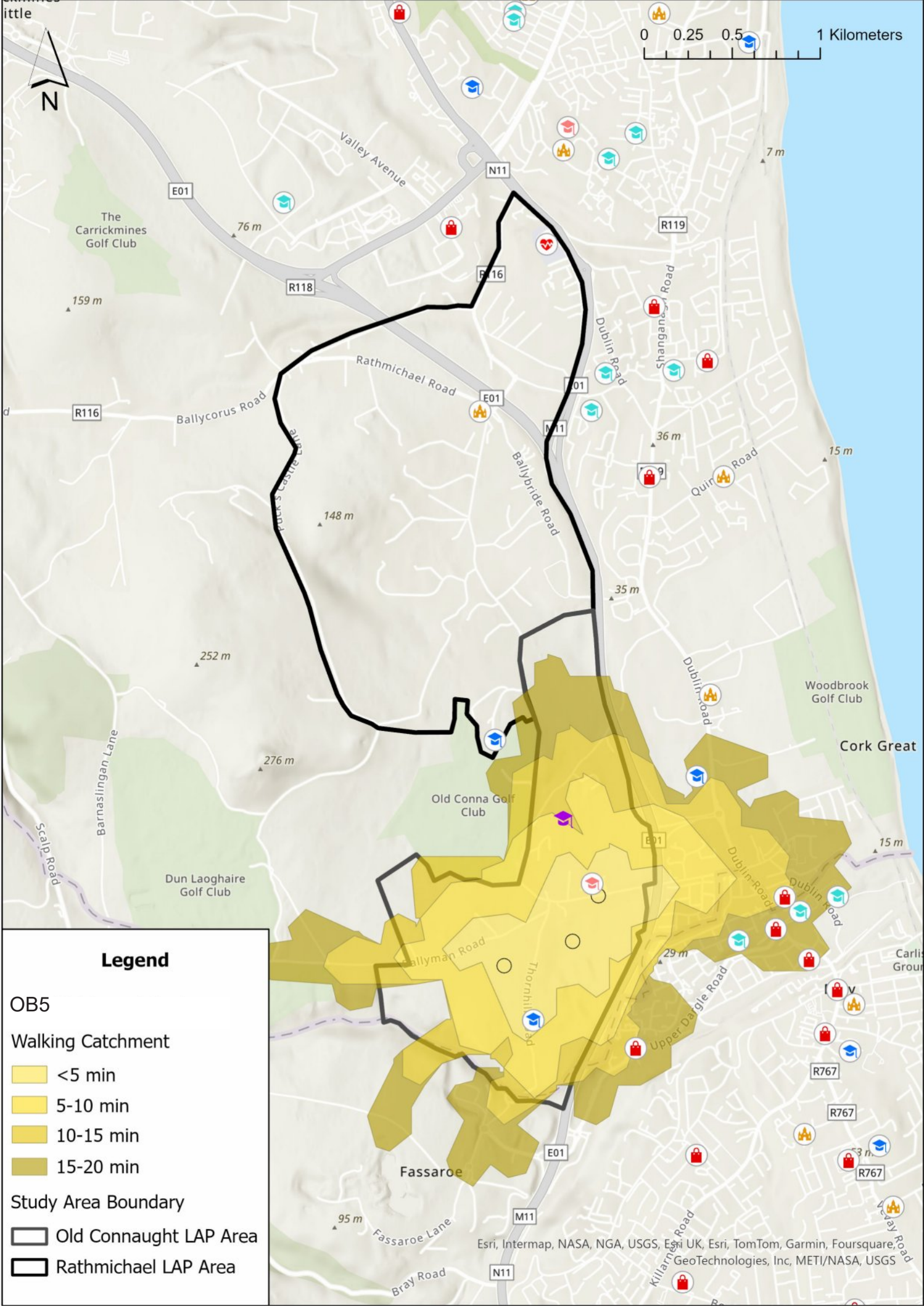
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

OB5

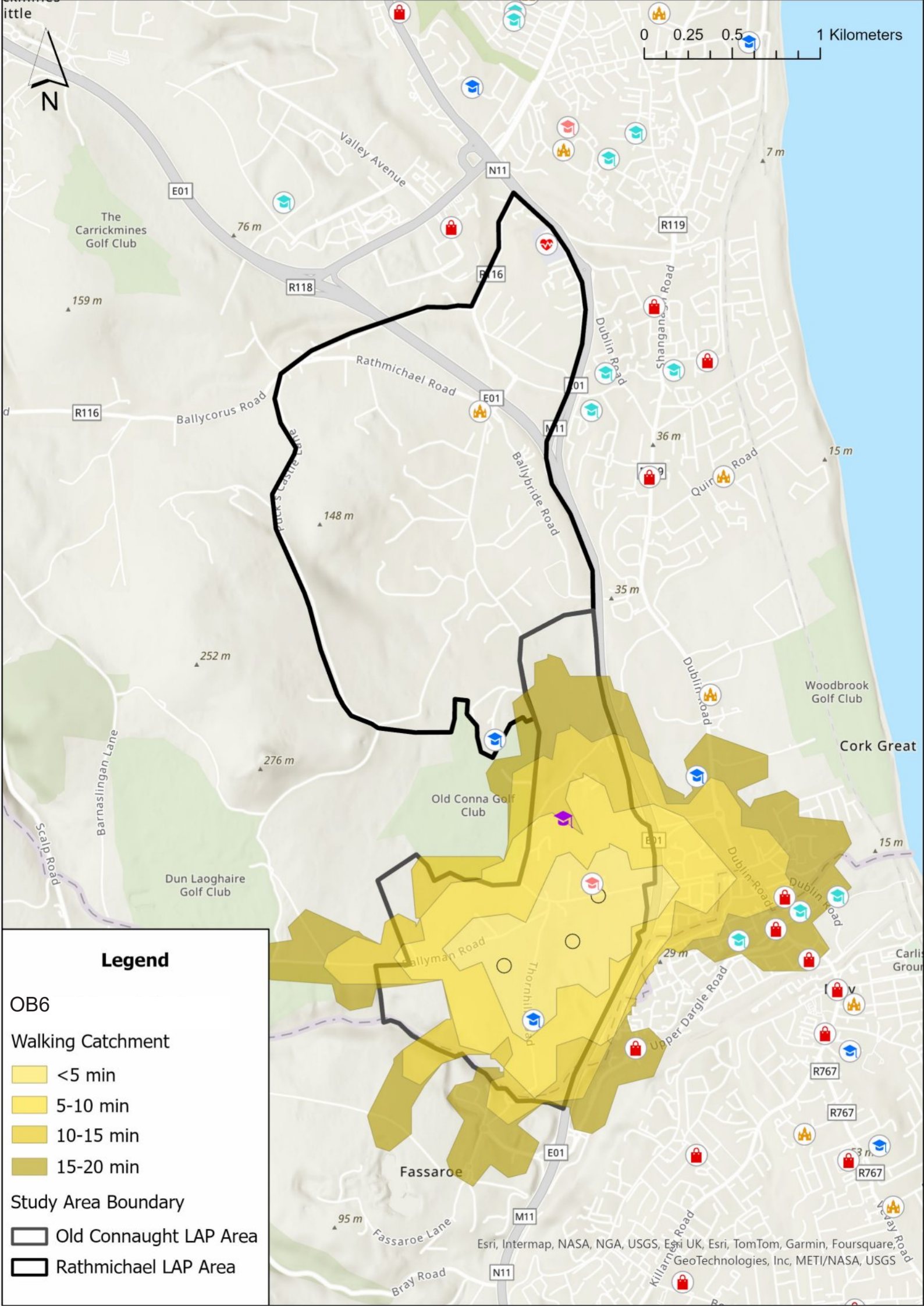
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

OB6

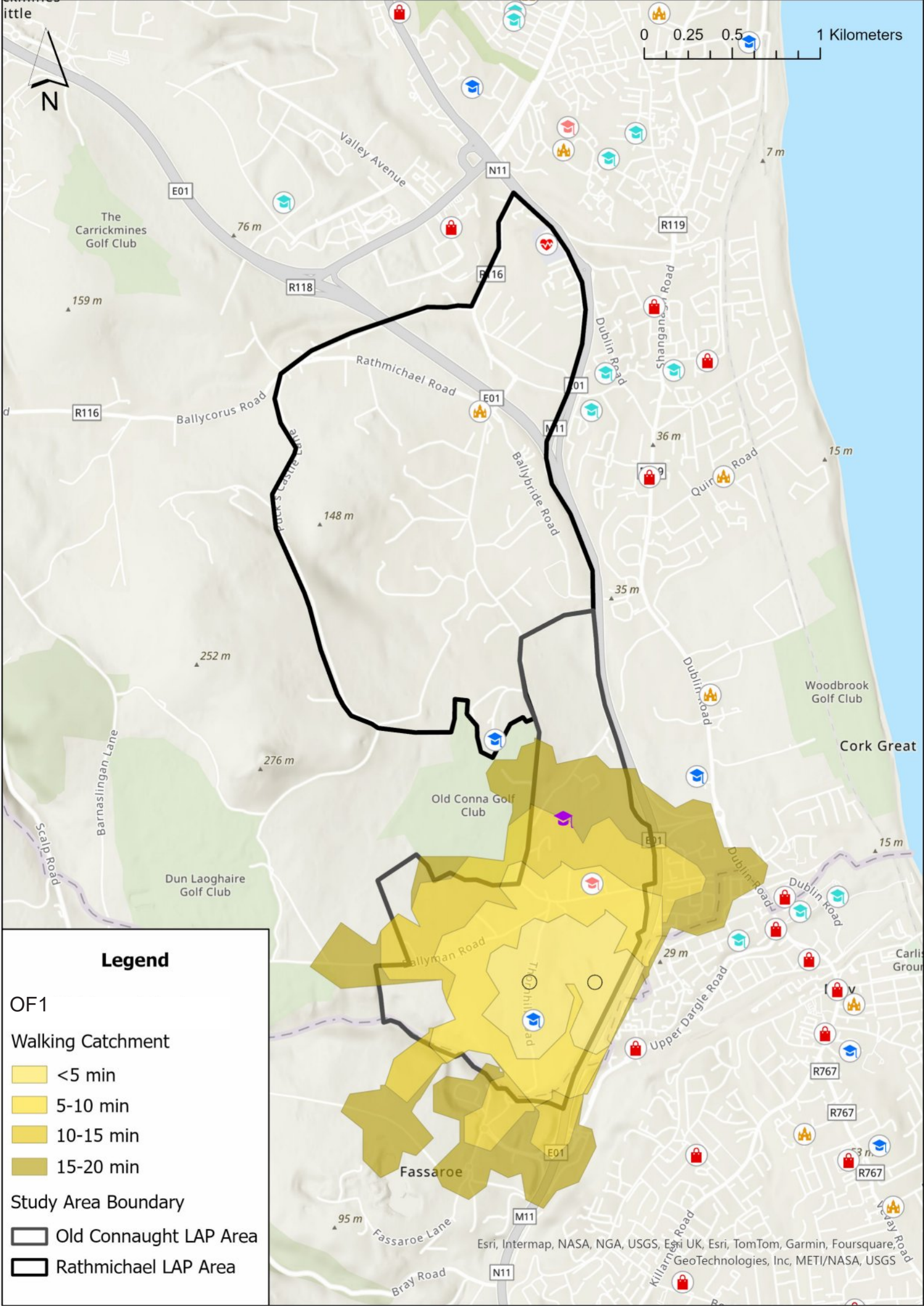
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





0 0.25 0.5 1 Kilometers



**Legend**

OF1

Walking Catchment

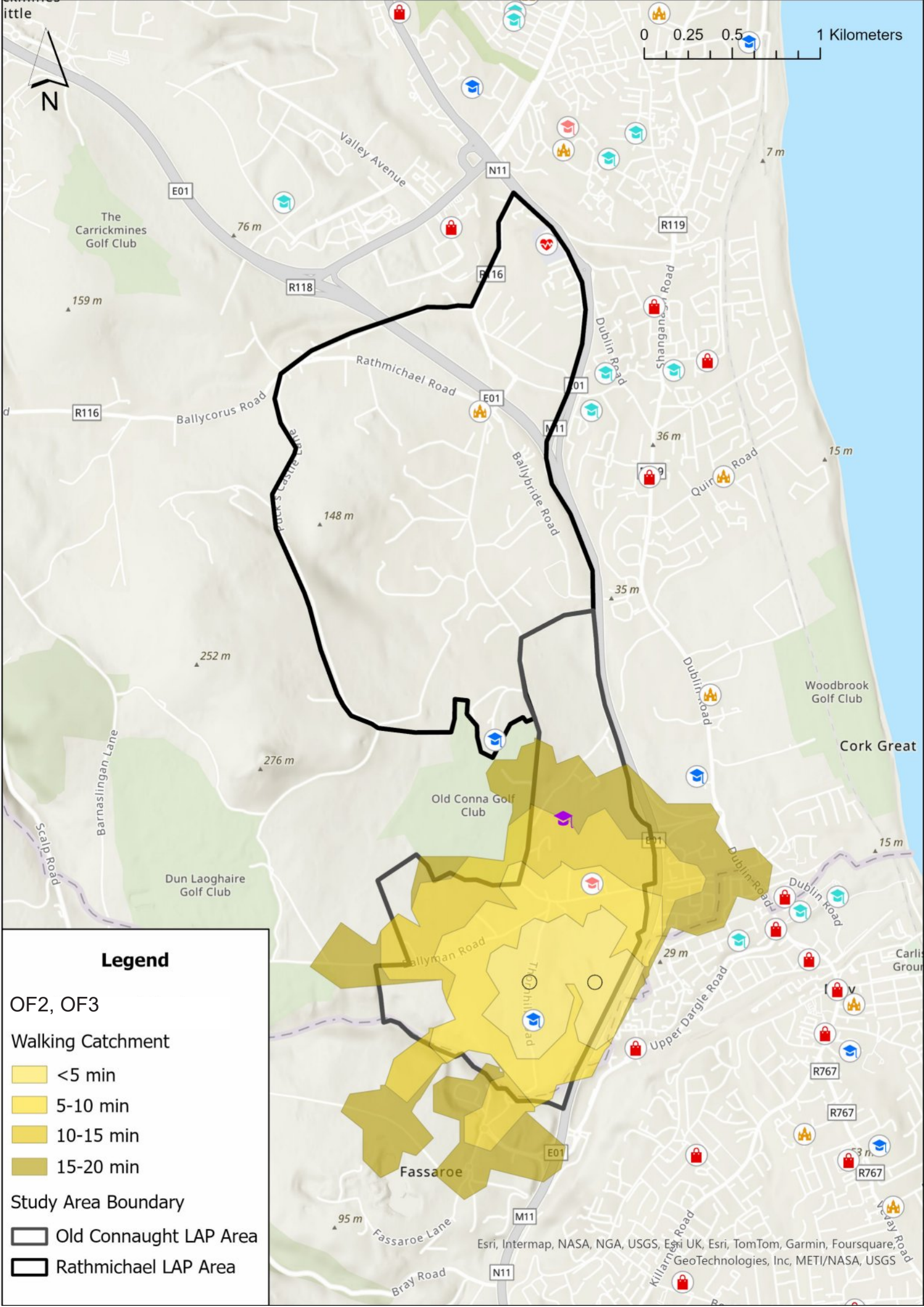
- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area

Esri, Intermap, NASA, NGA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS





0 0.25 0.5 1 Kilometers



**Legend**

OF2, OF3  
Walking Catchment

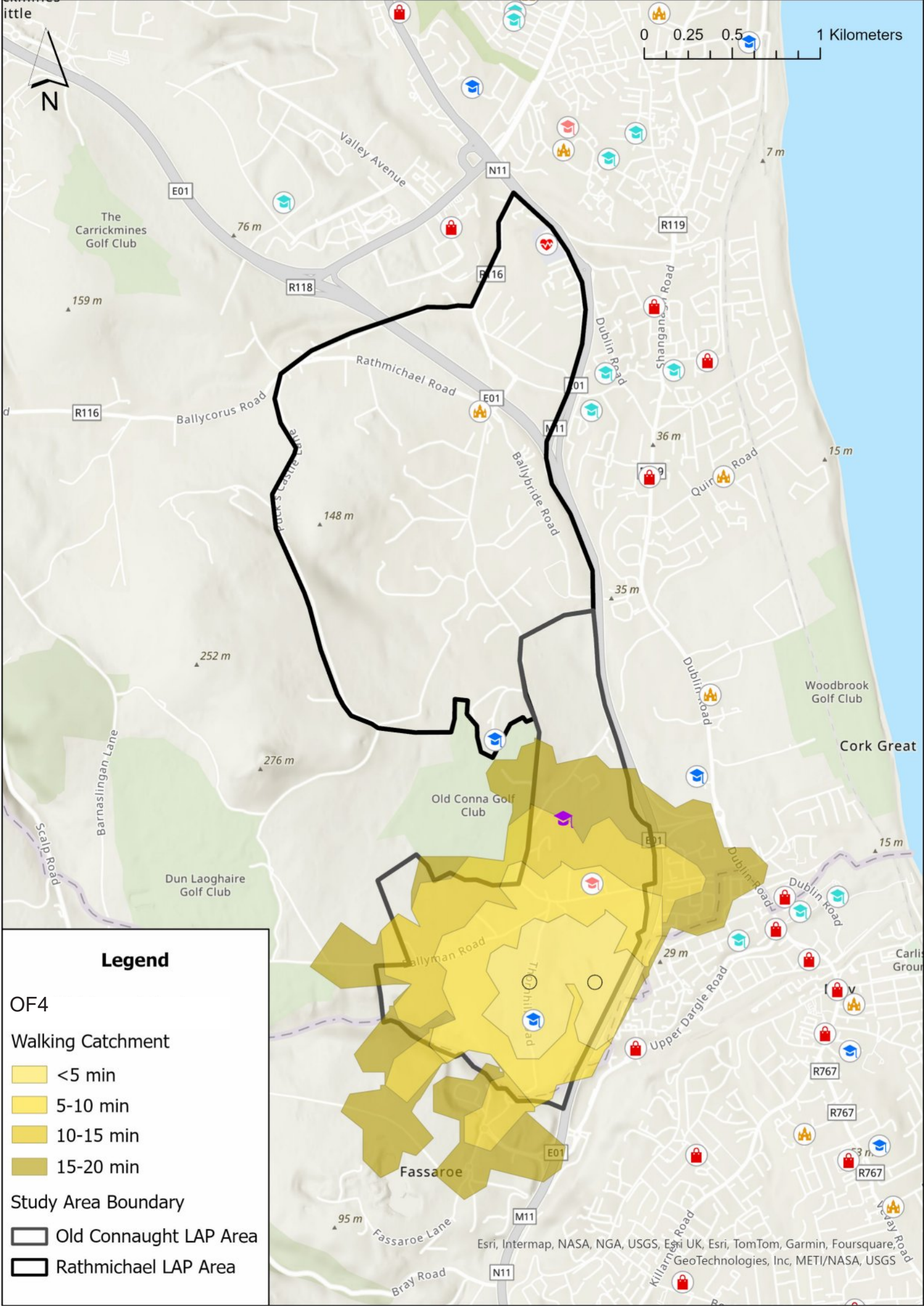
- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area

Esri, Intermap, NASA, NGA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS





**Legend**

OF4

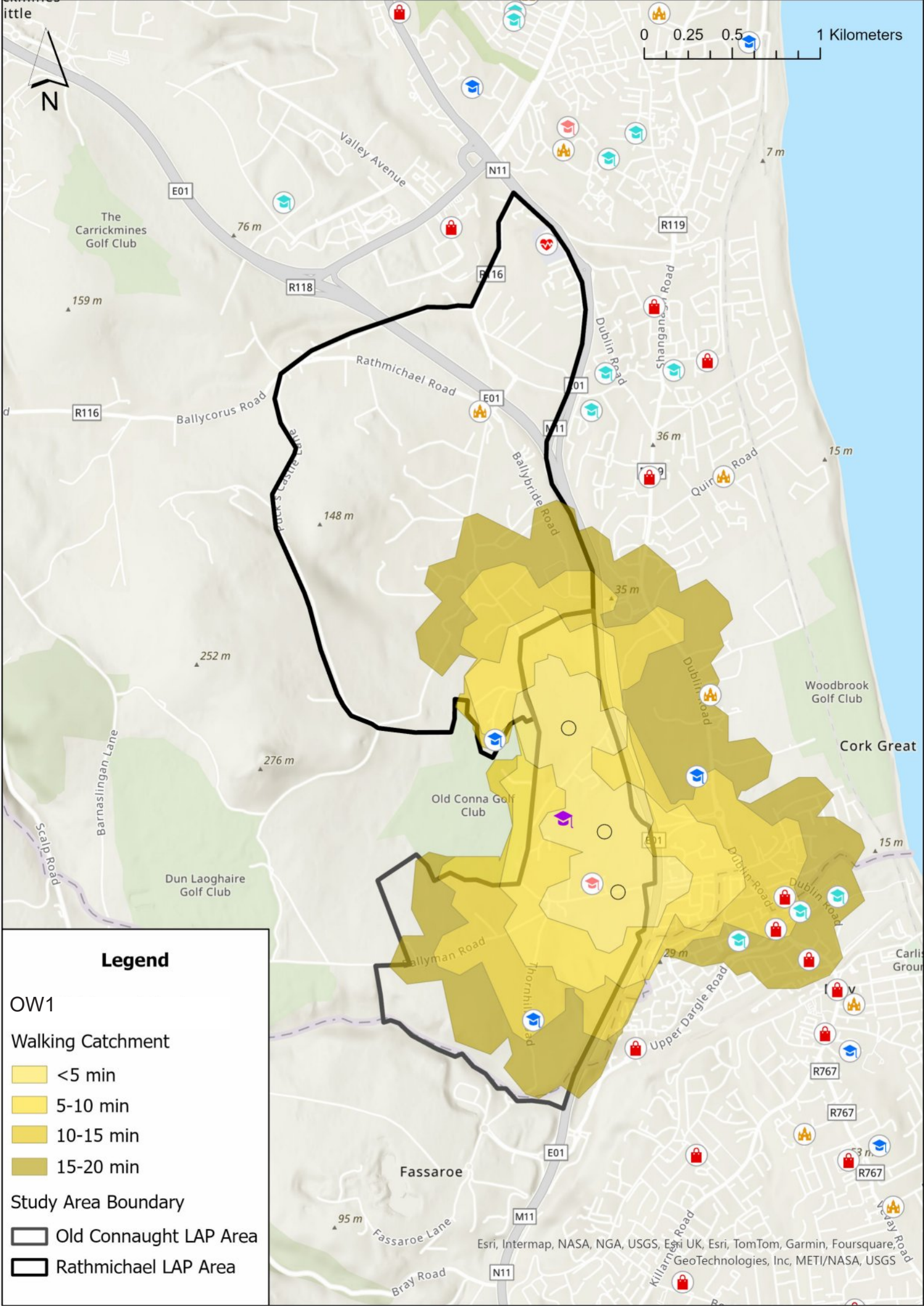
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

OW1

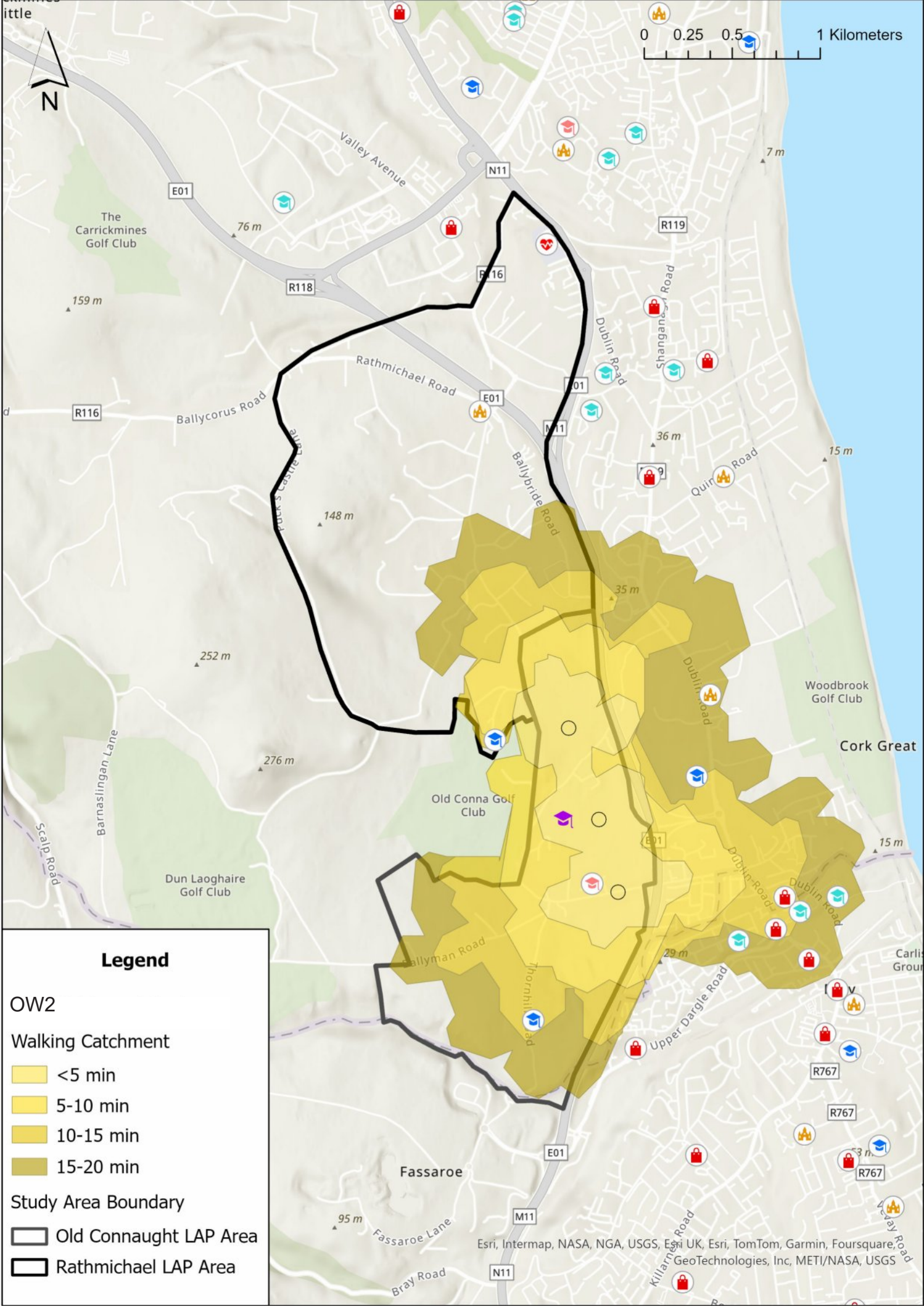
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

OW2

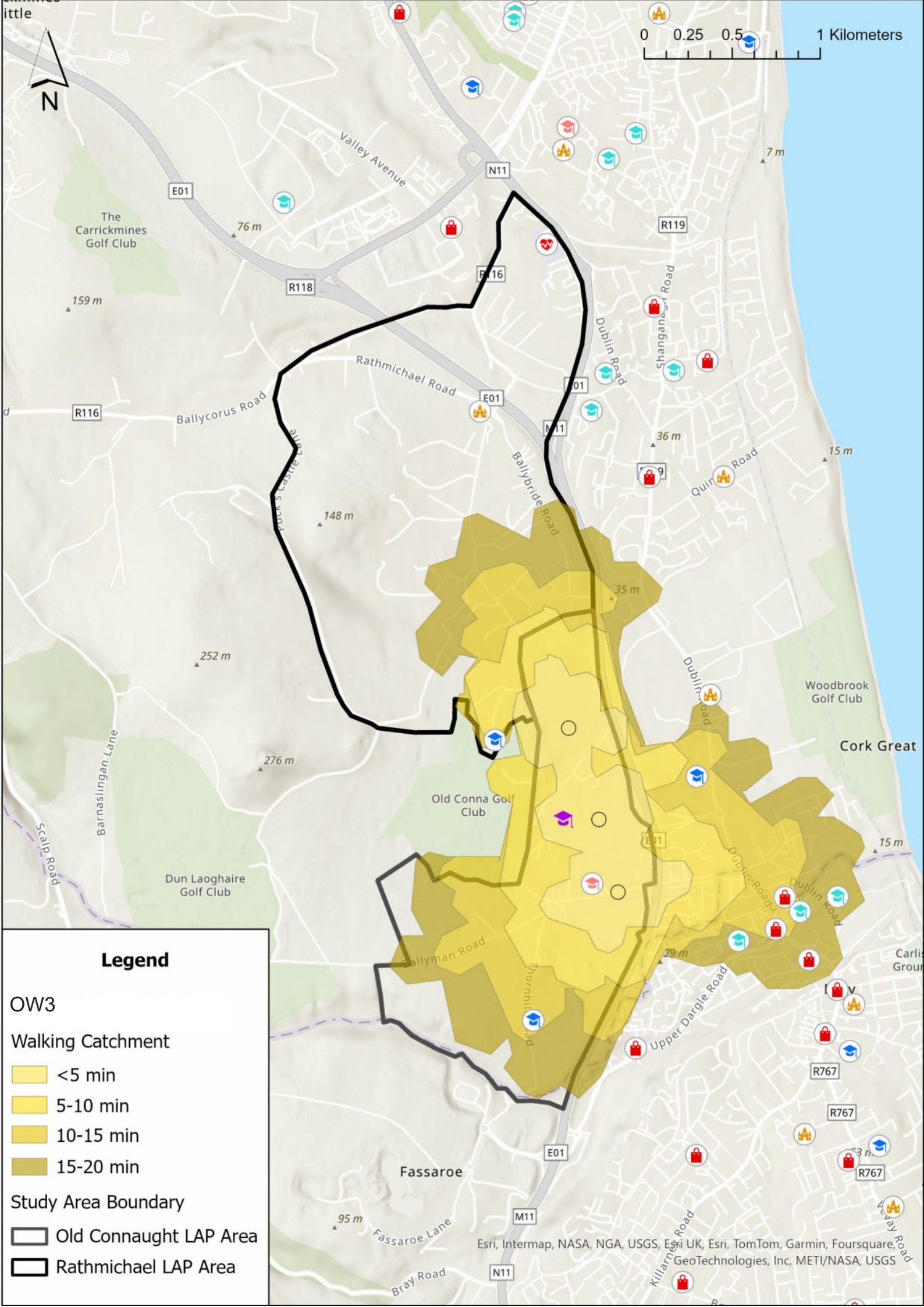
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

OW3

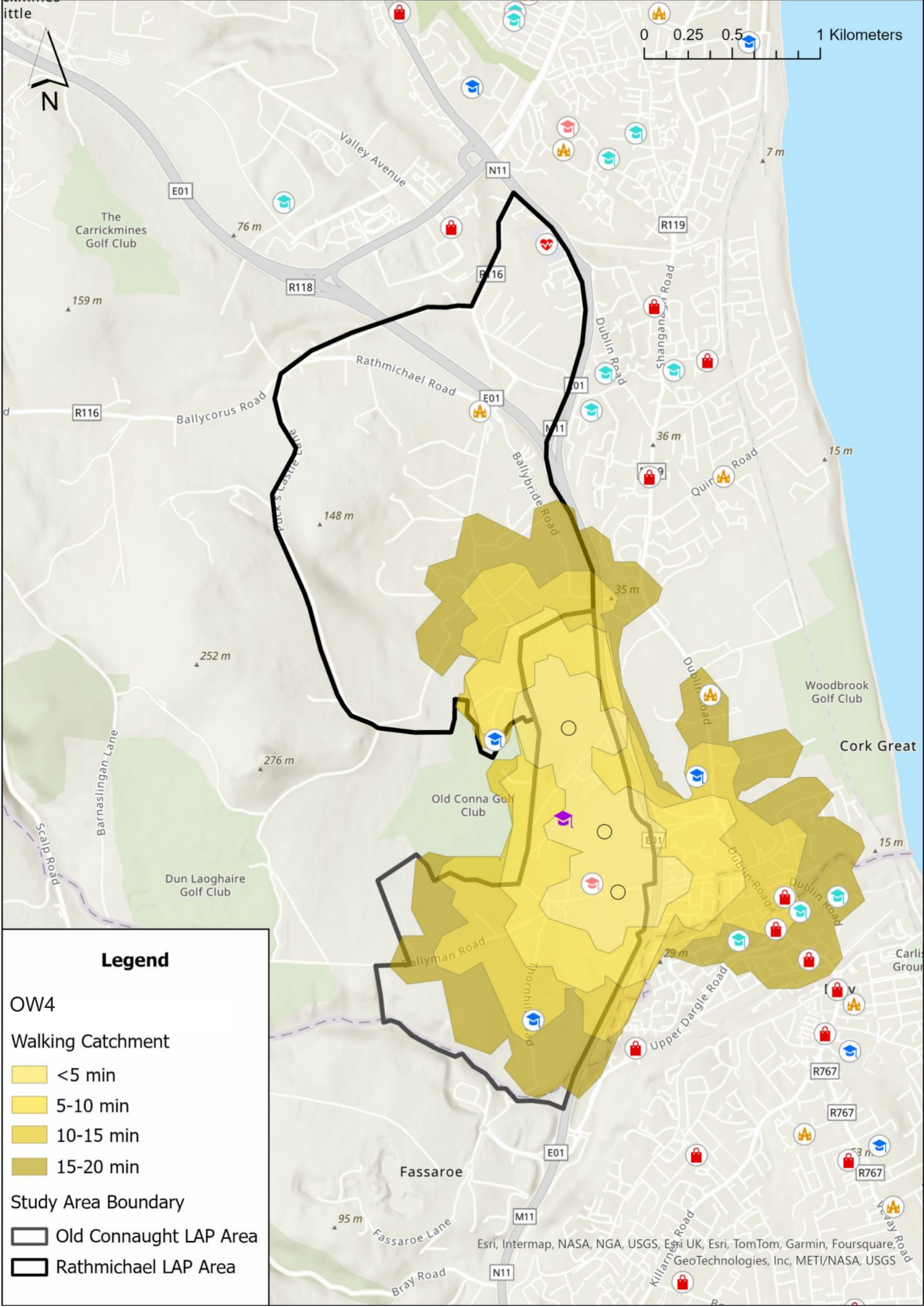
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

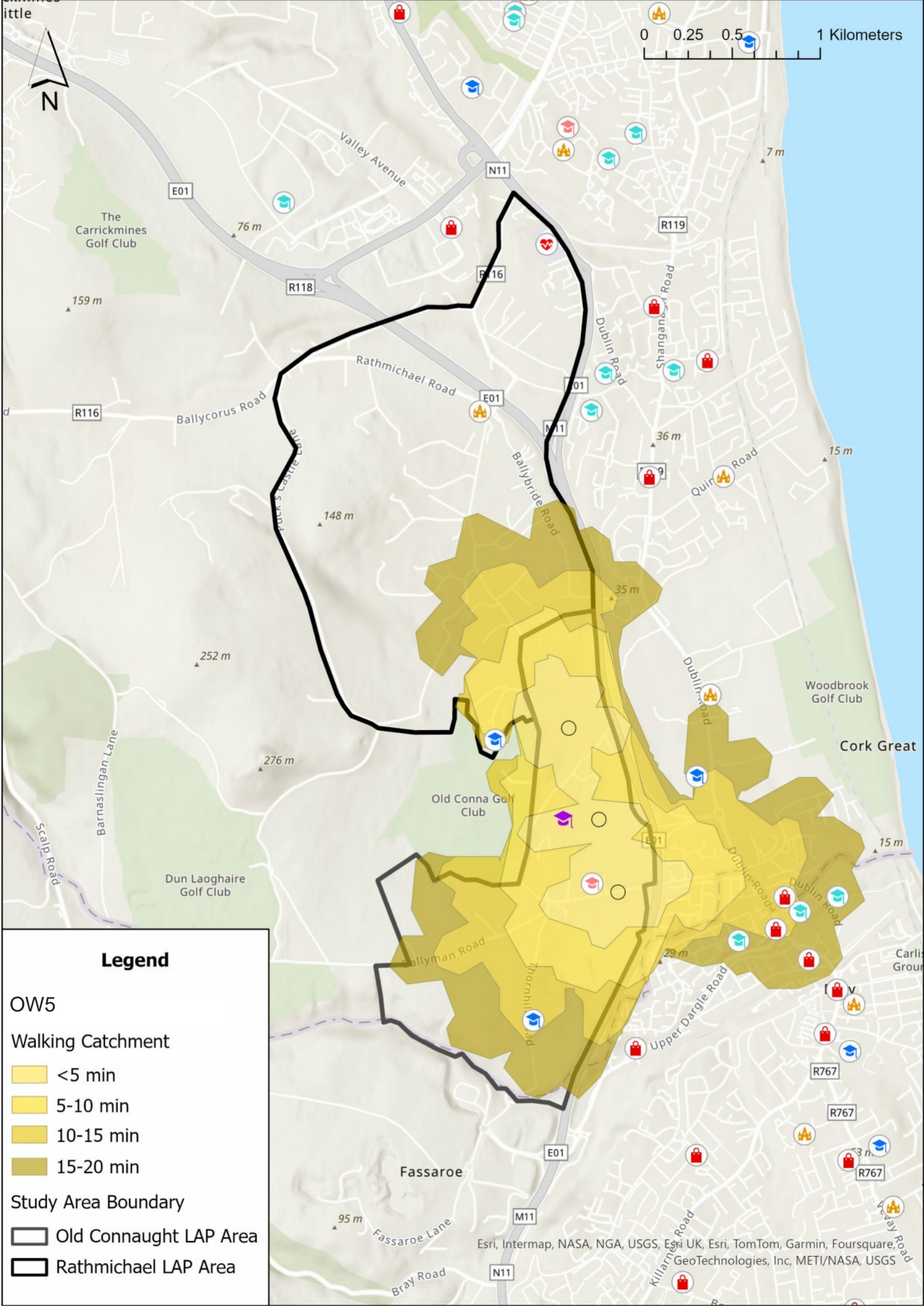
OW4  
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





0 0.25 0.5 1 Kilometers



**Legend**

OW5

Walking Catchment

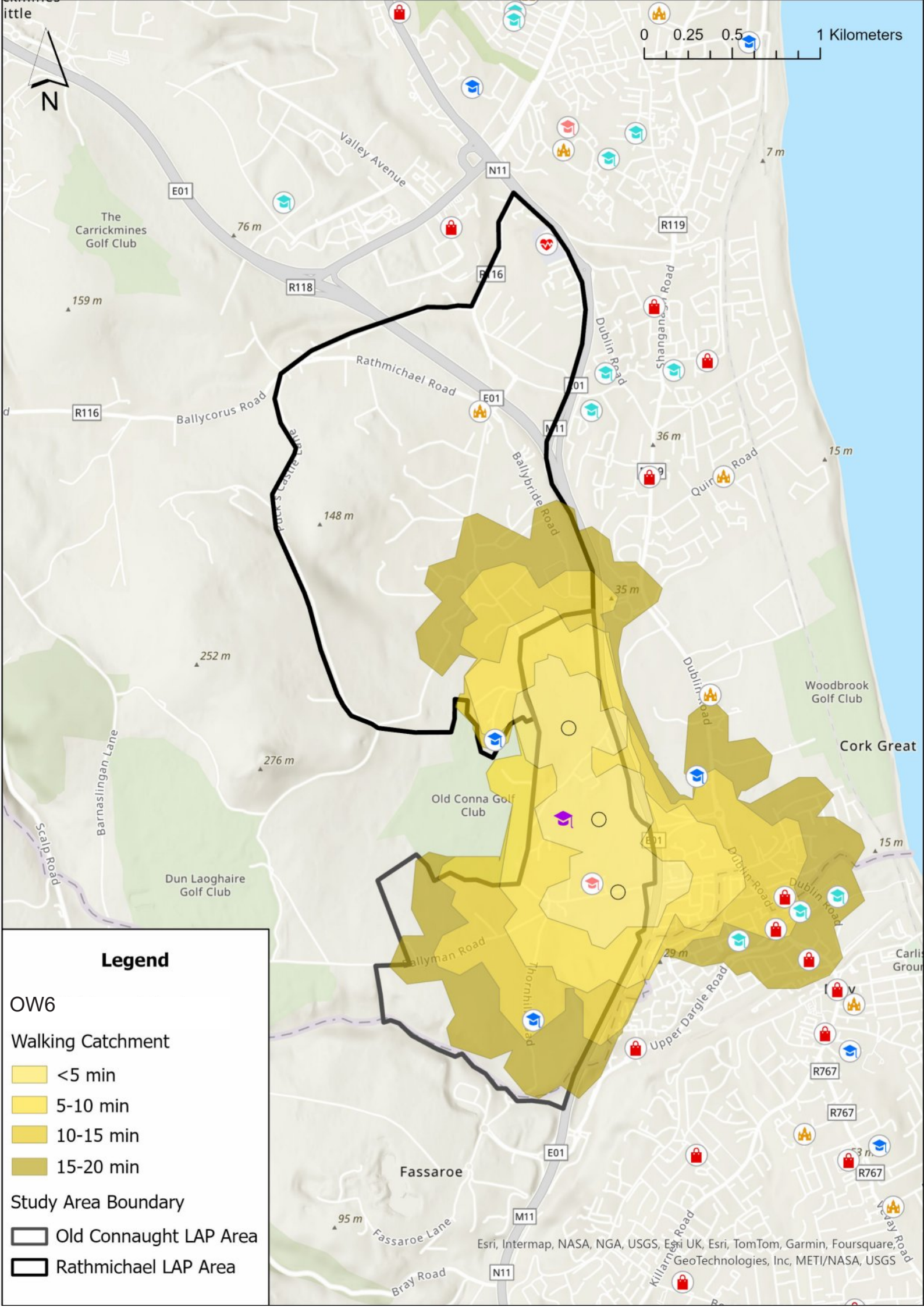
- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area

Esri, Intermap, NASA, NGA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS





**Legend**

OW6

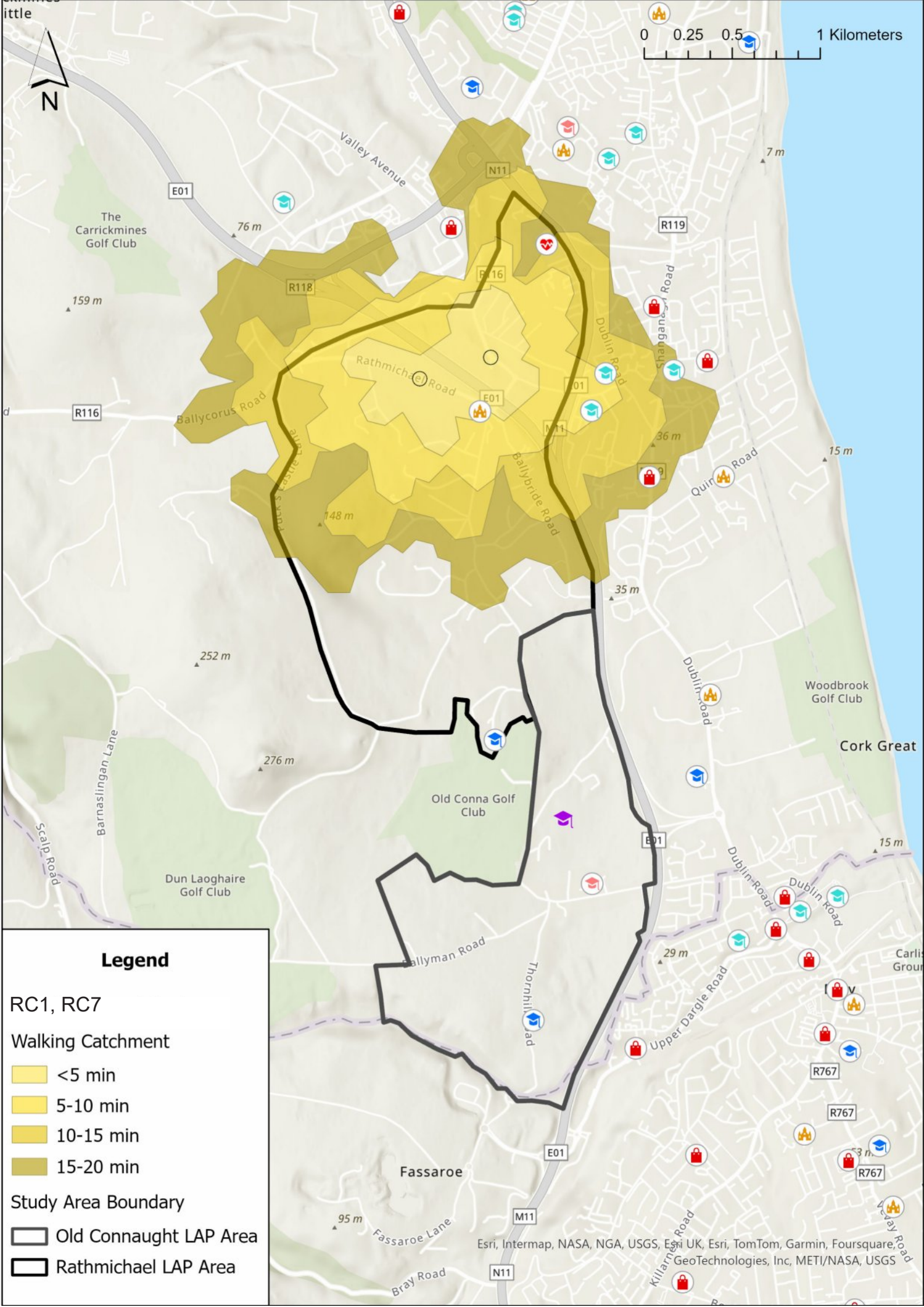
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





**Legend**

RC1, RC7

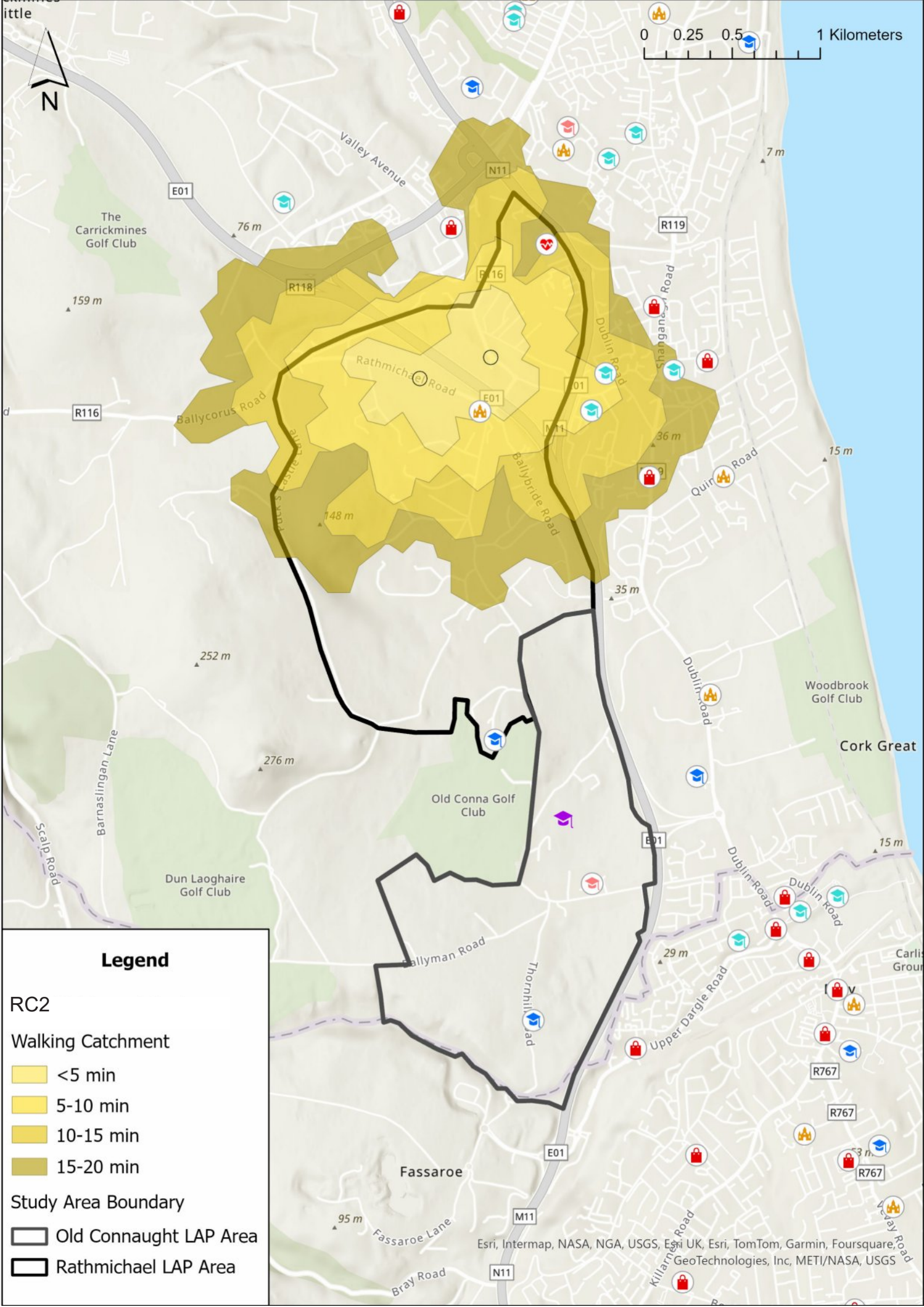
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





0 0.25 0.5 1 Kilometers

N

The Carrickmines Golf Club

Valley Avenue

E01

N11

R119

159 m

76 m

7 m

R118

F16

Rathmichael Road

Dublin Road

R116

Ballycorus Road

E01

D01

Shangan Road

Dublin Road

Quinn Road

15 m

148 m

Ballybride Road

36 m

35 m

252 m

276 m

Old Conna Golf Club

Woodbrook Golf Club

Cork Great

Dun Laoghaire Golf Club

Barnaslingan Lane

Scalp Road

Dublin Road

Dublin Road

Dublin Road

Carlisle Grounds

**Legend**

- RC2
- Walking Catchment
  - <5 min
  - 5-10 min
  - 10-15 min
  - 15-20 min
- Study Area Boundary
  - Old Connaught LAP Area
  - Rathmichael LAP Area

Sallyman Road

Thornhill Road

Upper Dargle Road

Fassaroe

E01

R767

R767

R767

R767

95 m

Fassaroe Lane

M11

Esri, Intermap, NASA, NGA, USGS, Esri UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS

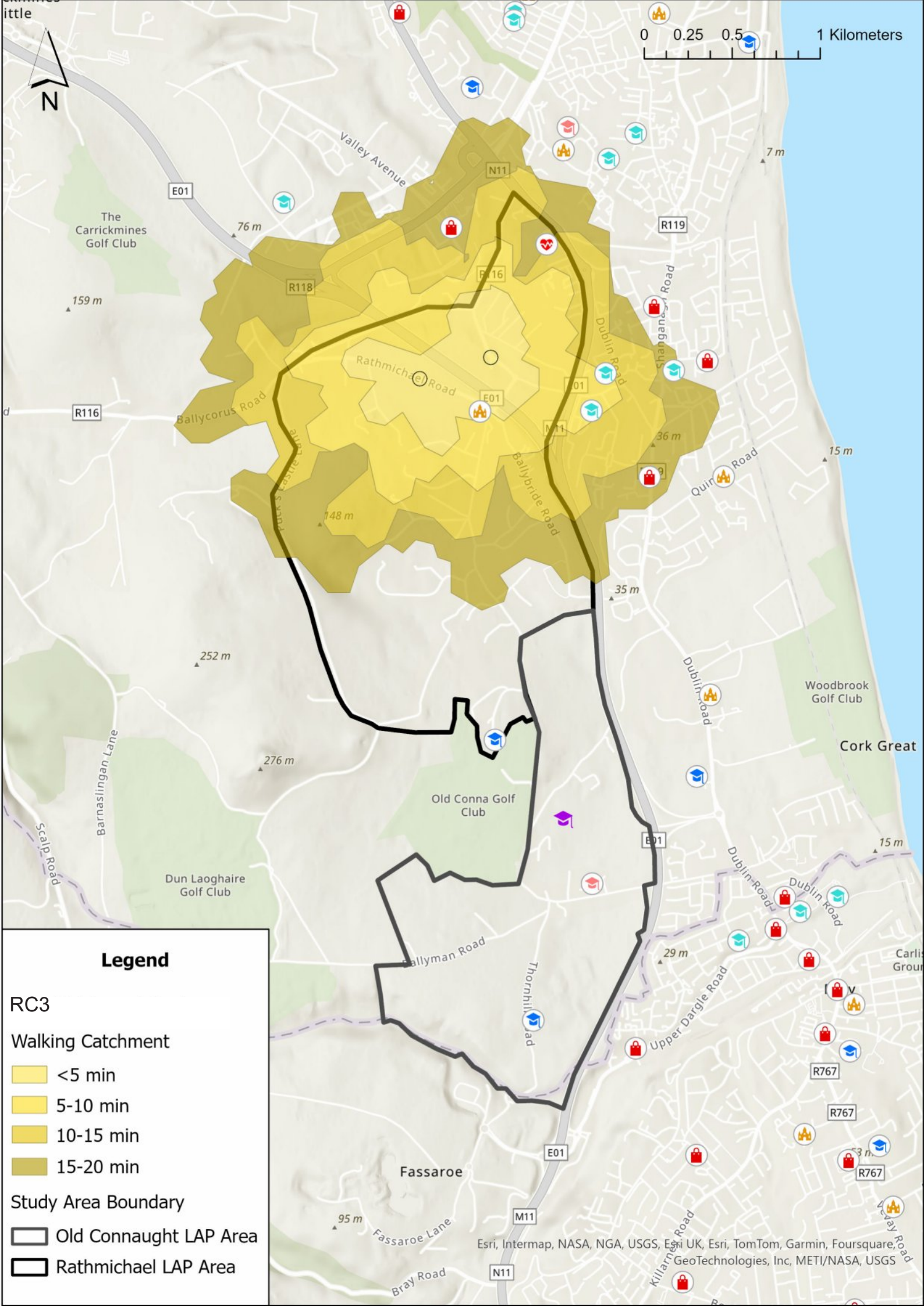
Bray Road

N11

Killarn Road

Claydon Road





**Legend**

RC3

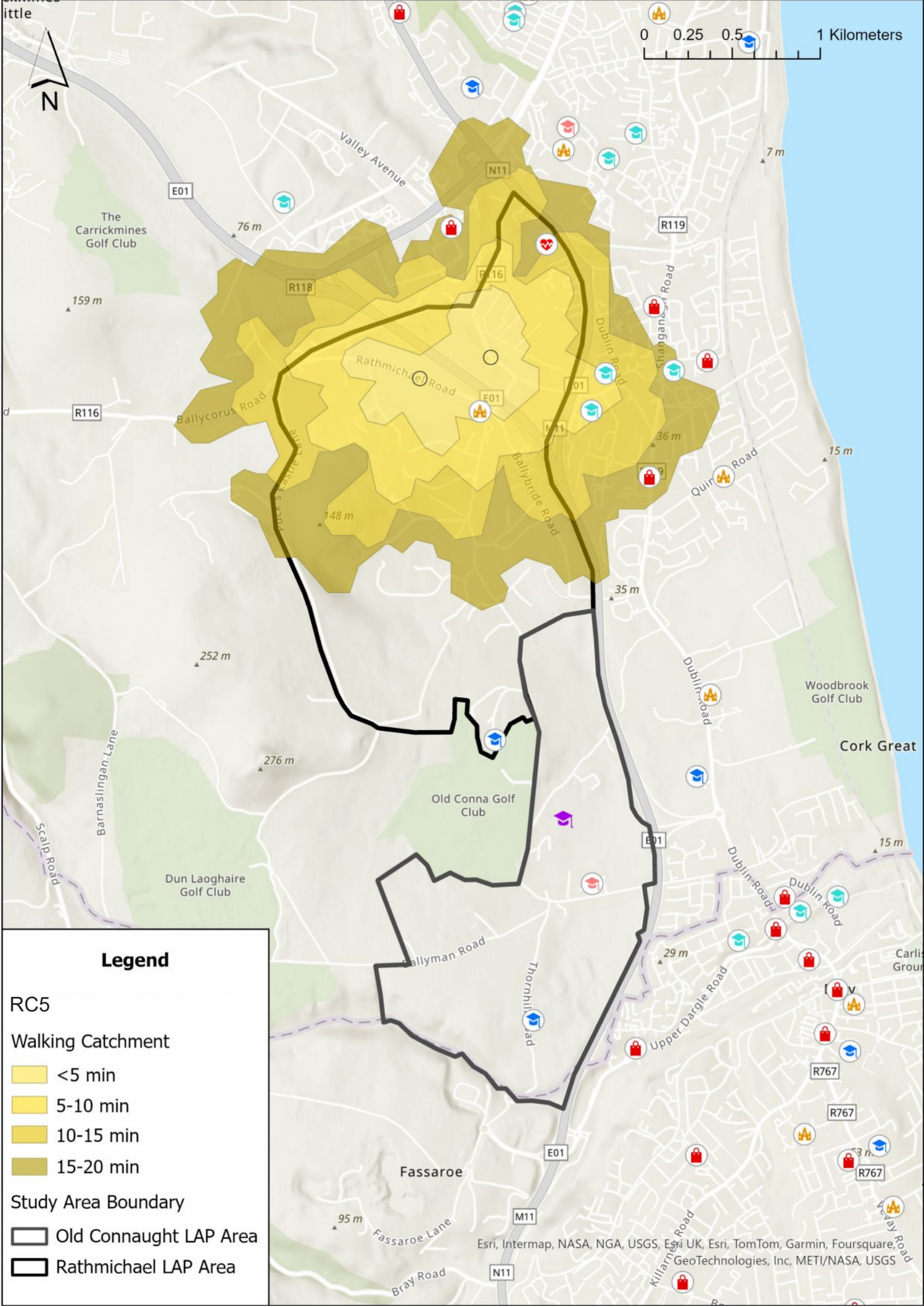
Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area





0 0.25 0.5 1 Kilometers

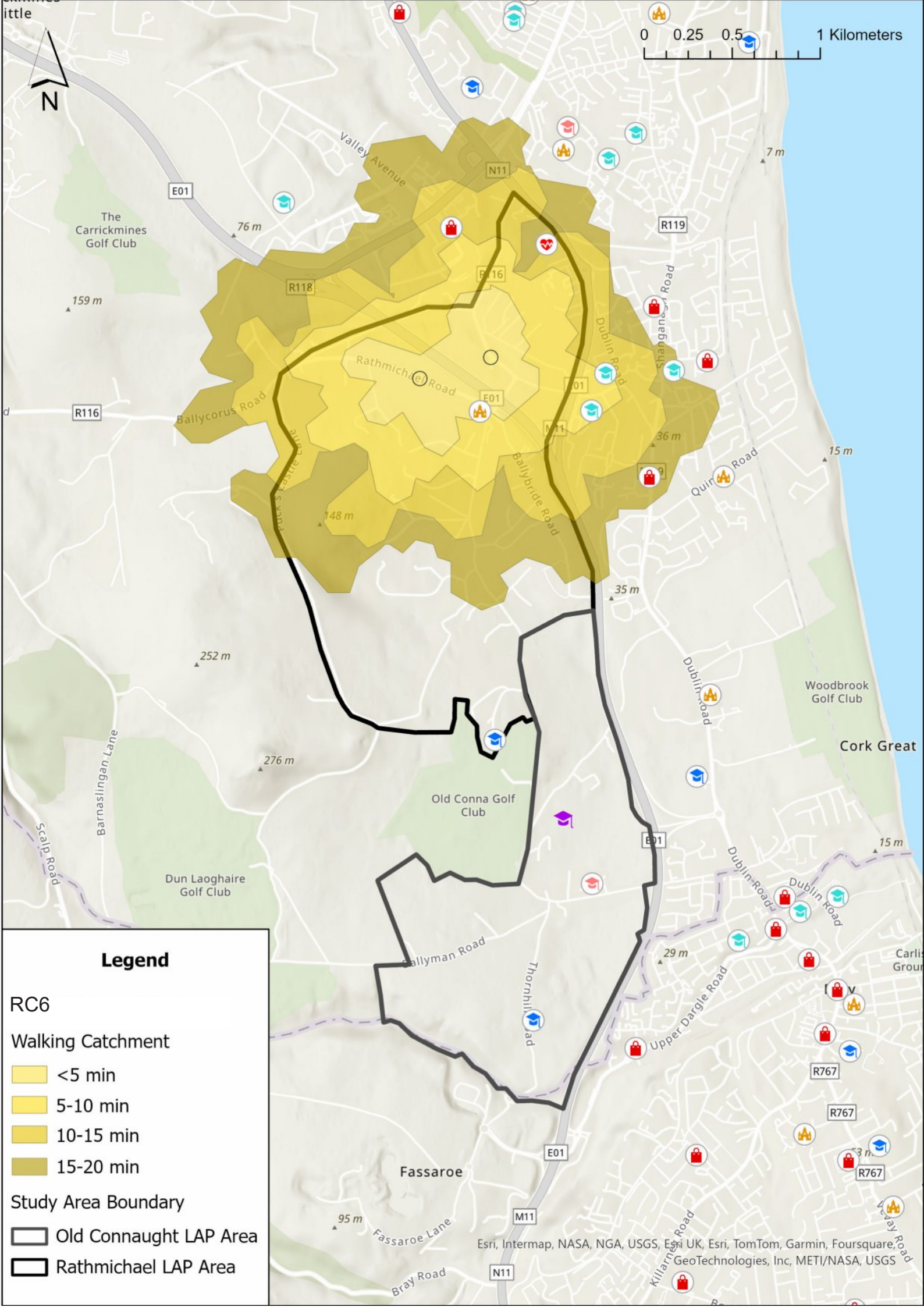
**Legend**

- RC5
- Walking Catchment
- <5 min
  - 5-10 min
  - 10-15 min
  - 15-20 min
- Study Area Boundary
- Old Connaught LAP Area
  - Rathmichael LAP Area









0 0.25 0.5 1 Kilometers

The Carrickmines Golf Club

159 m

R116

Barnaslingan Lane

Dun Laoghaire Golf Club

**Legend**

- RC6
- Walking Catchment
- <5 min
  - 5-10 min
  - 10-15 min
  - 15-20 min
- Study Area Boundary
- Old Connaught LAP Area
  - Rathmichael LAP Area

Valley Avenue

Rathmichael Road

Ballycorus Road

148 m

252 m

276 m

Old Conna Golf Club

Sallyman Road

Fassaroe

Fassaroe Lane

Bray Road

N11

R118

R116

148 m

252 m

276 m

Old Conna Golf Club

Sallyman Road

Fassaroe

Fassaroe Lane

Bray Road

76 m

R118

R116

148 m

252 m

276 m

Old Conna Golf Club

Sallyman Road

Fassaroe

Fassaroe Lane

Bray Road

7 m

R119

R119

36 m

35 m

15 m

15 m

15 m

29 m

29 m

95 m

95 m

7 m

R119

R119

36 m

35 m

15 m

15 m

15 m

29 m

29 m

95 m

95 m

7 m

R119

R119

36 m

35 m

15 m

15 m

15 m

29 m

29 m

95 m

95 m

7 m

R119

R119

36 m

35 m

15 m

15 m

15 m

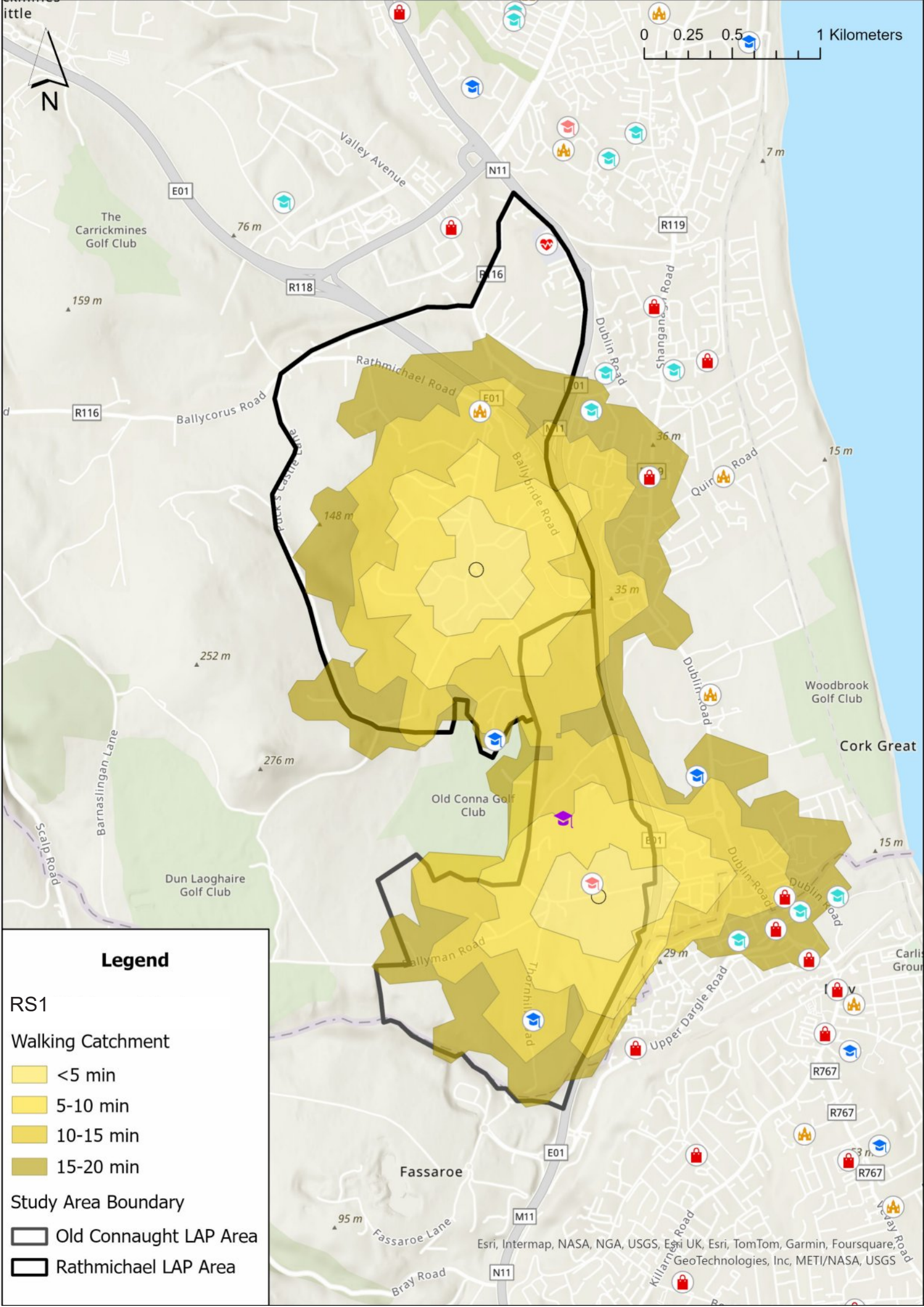
29 m

29 m

95 m

95 m





0 0.25 0.5 1 Kilometers



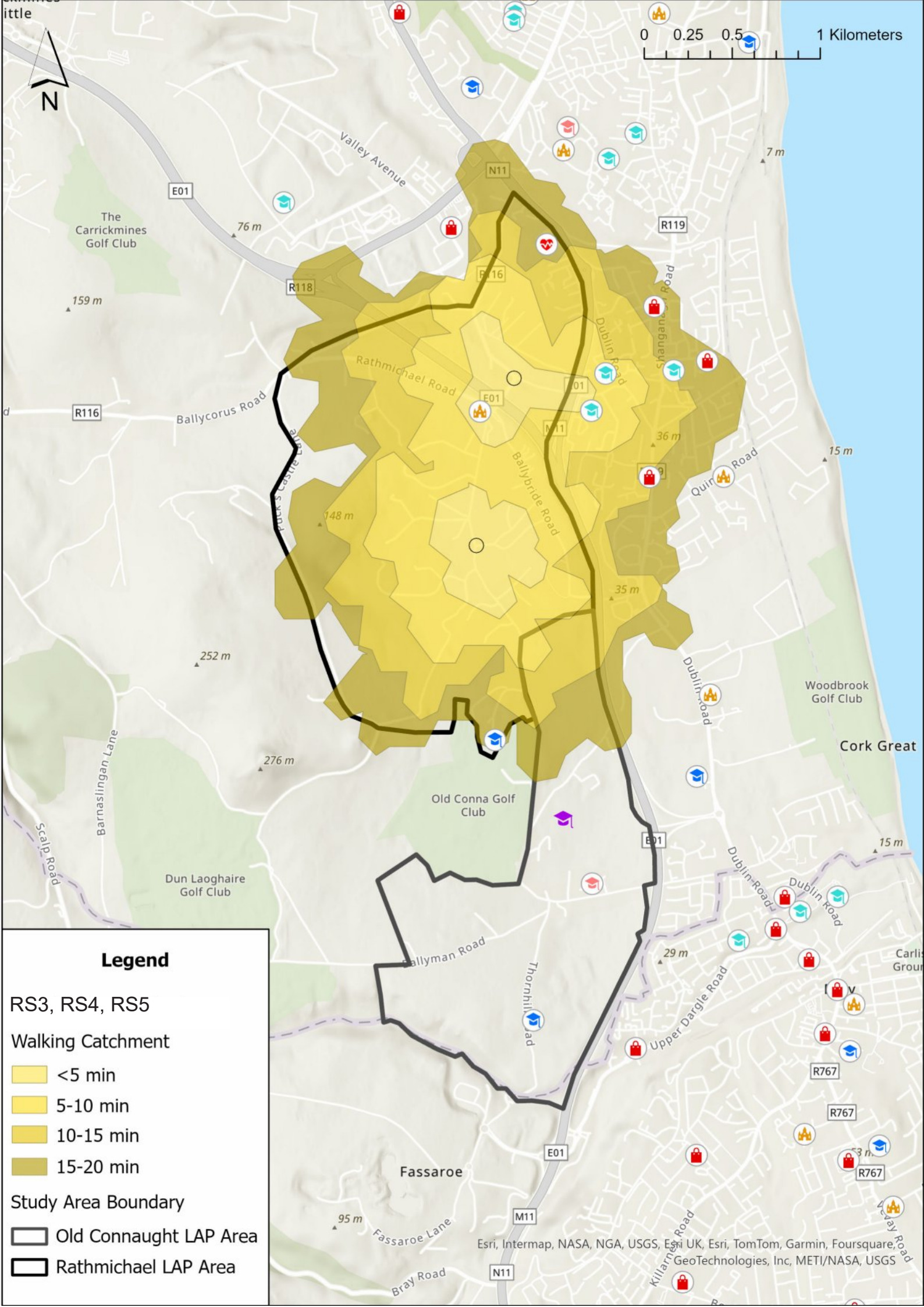
**Legend**

- RS1
- Walking Catchment
  - <5 min
  - 5-10 min
  - 10-15 min
  - 15-20 min
- Study Area Boundary
  - Old Connaught LAP Area
  - Rathmichael LAP Area









**Legend**

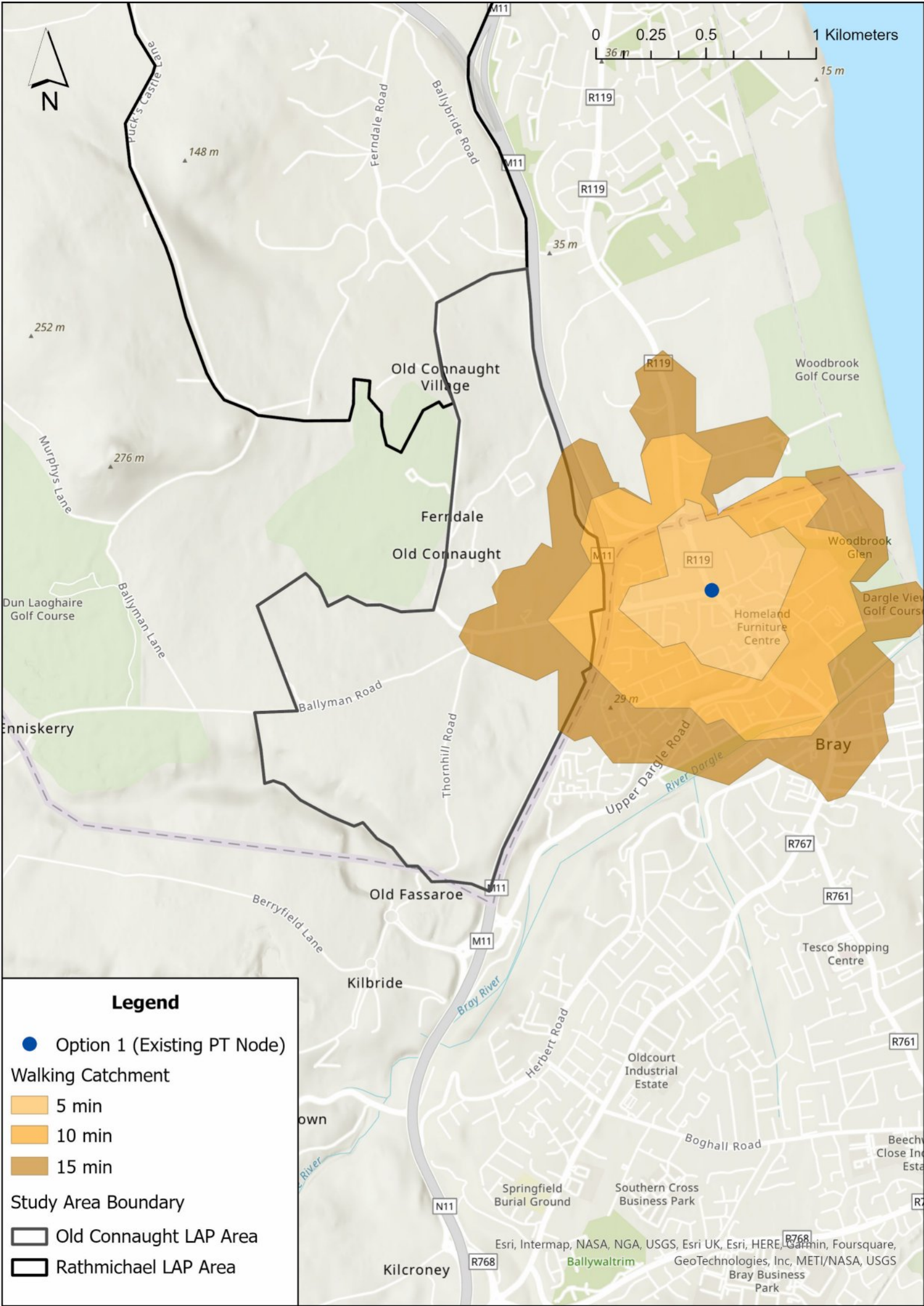
RS3, RS4, RS5  
 Walking Catchment

- <5 min
- 5-10 min
- 10-15 min
- 15-20 min

Study Area Boundary

- Old Connaught LAP Area
- Rathmichael LAP Area



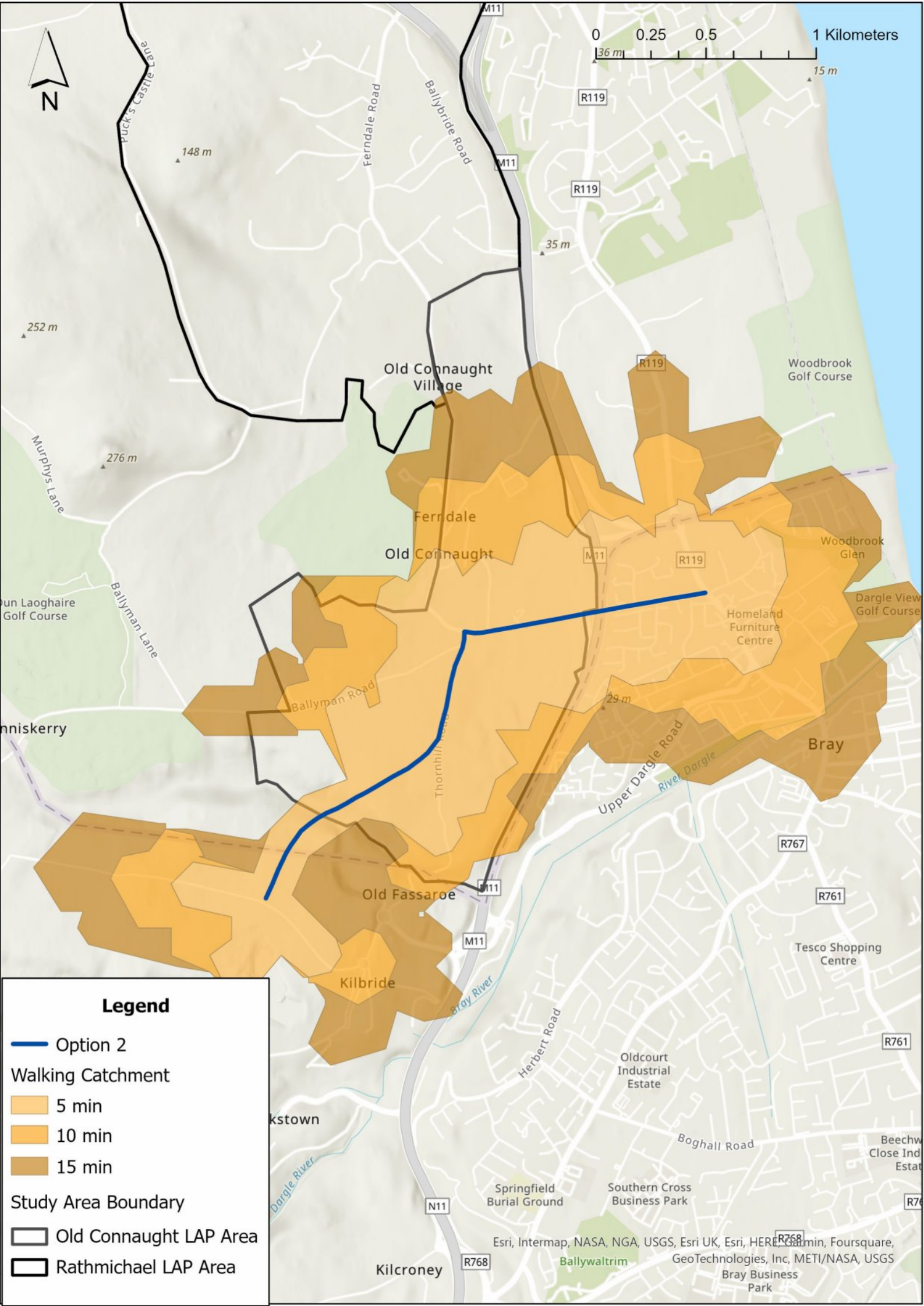


0 0.25 0.5 1 Kilometers  
36 m 15 m

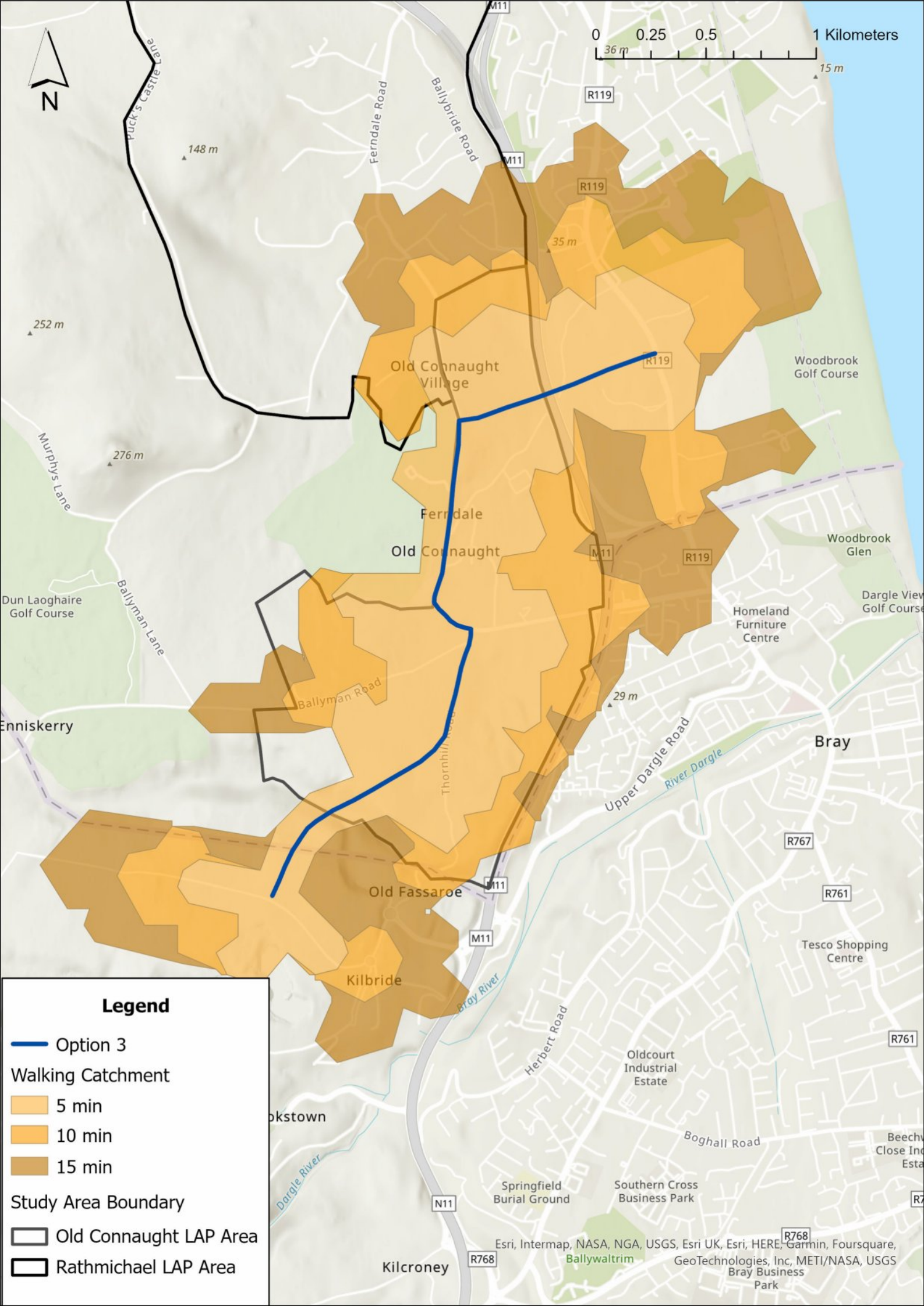
**Legend**

- Option 1 (Existing PT Node)
- Walking Catchment
  - 5 min
  - 10 min
  - 15 min
- Study Area Boundary
- Old Connaught LAP Area
- Rathmichael LAP Area





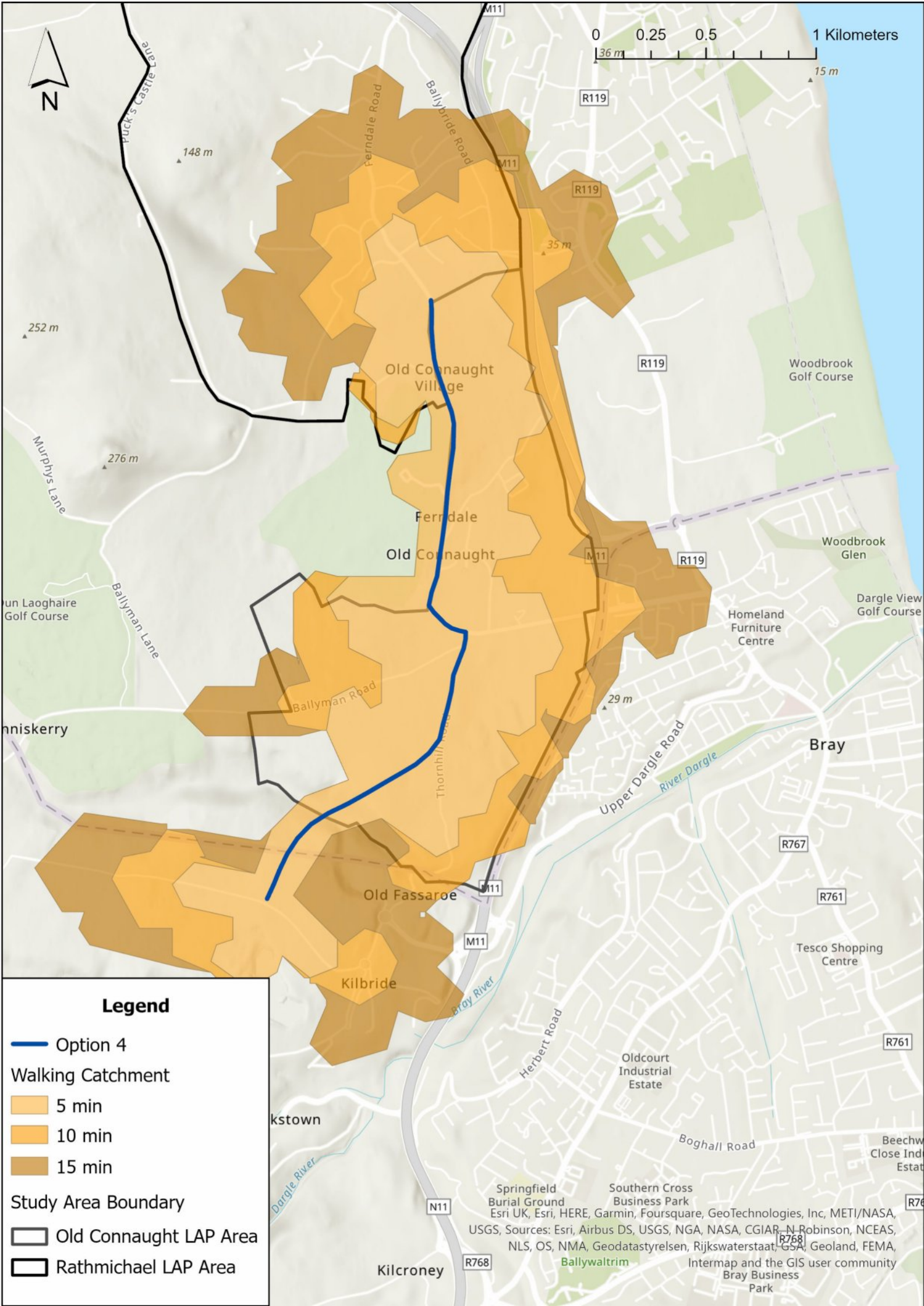




**Legend**

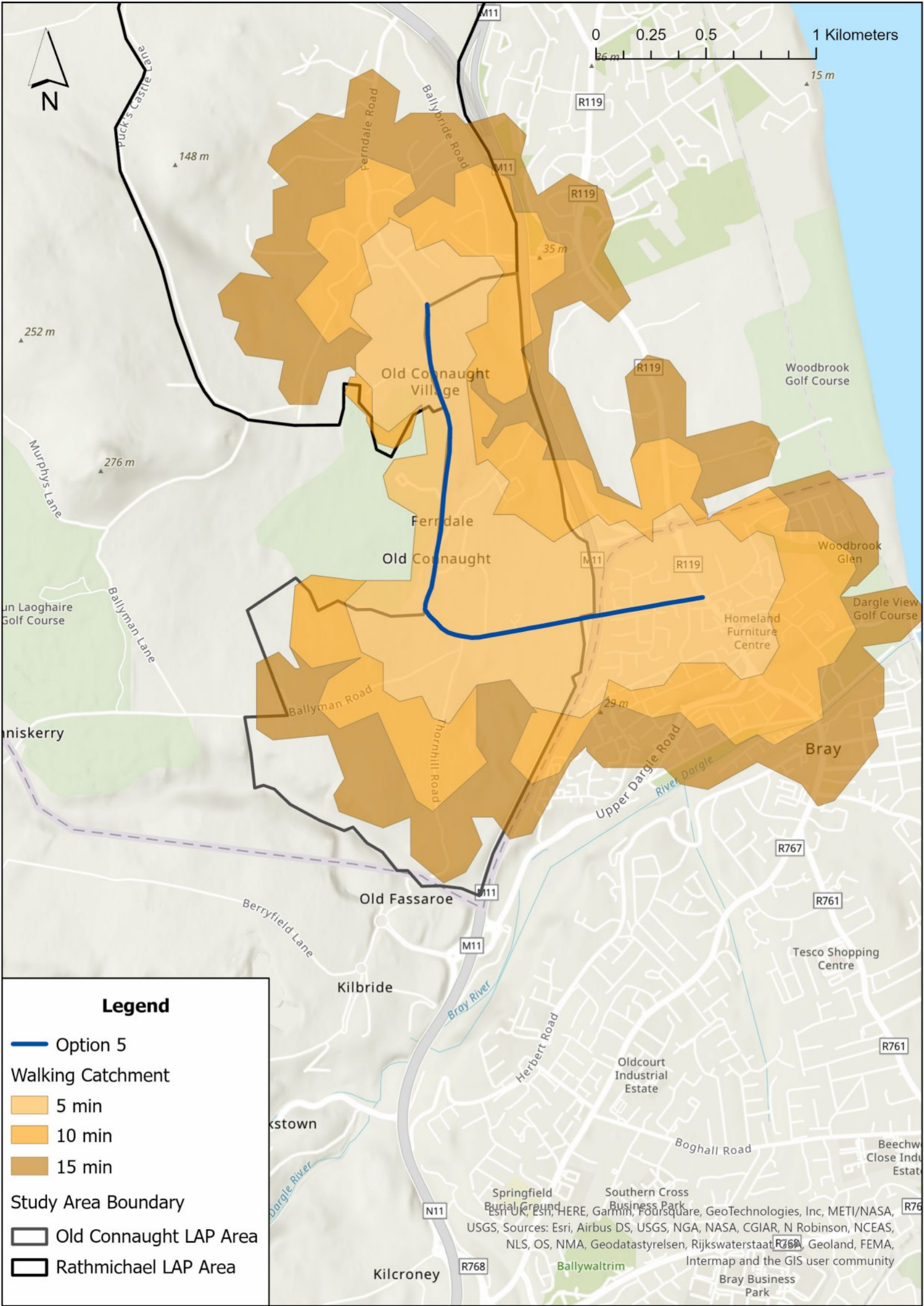
- Option 3
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area





Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Ballywaltrim





0 0.25 0.5 1 Kilometers  
66 m 15 m

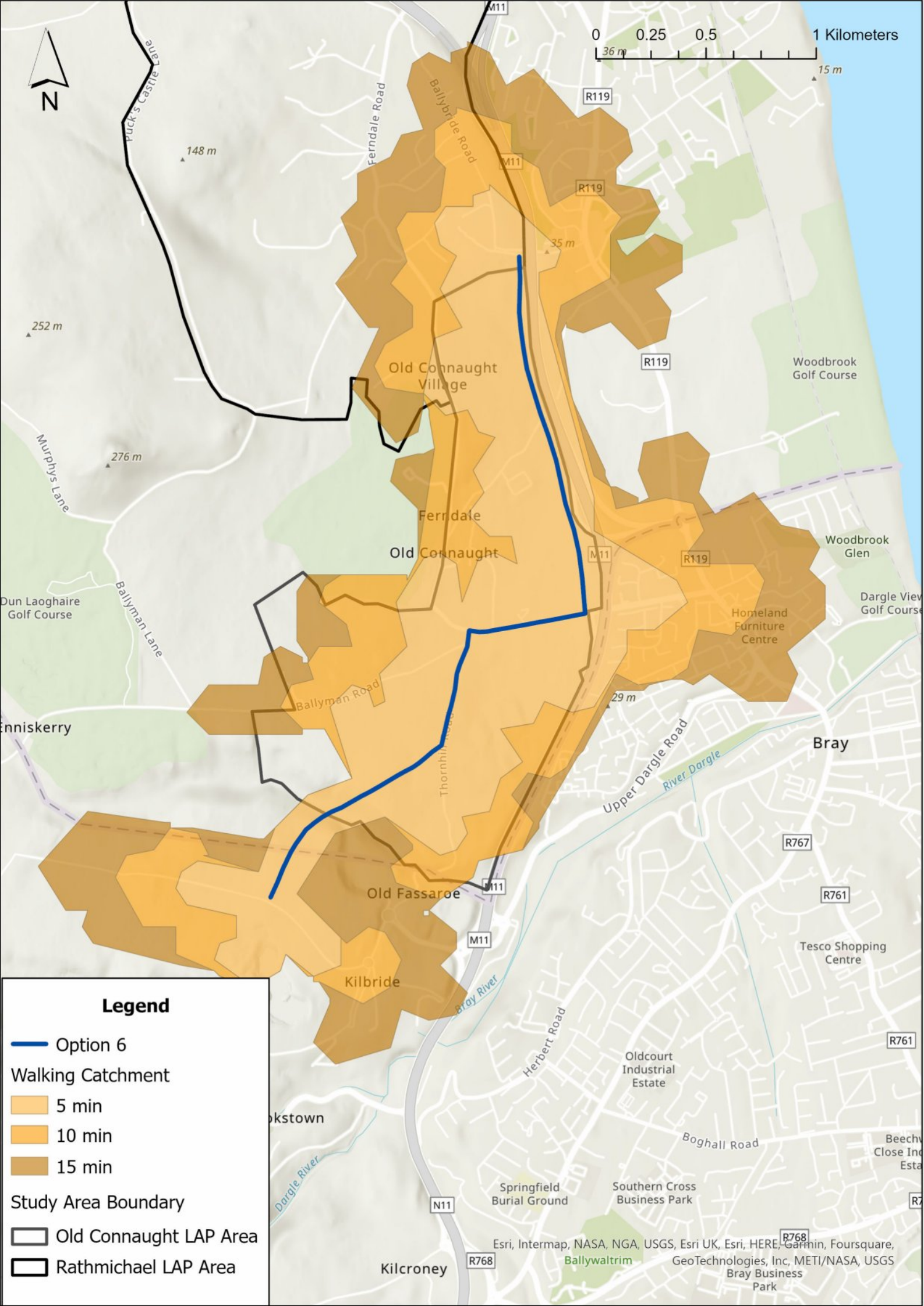


**Legend**

- Option 5
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area

ESRI, HERE, Garmin, FourSquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, CGA, Geoland, FEMA, Intermap and the GIS user community

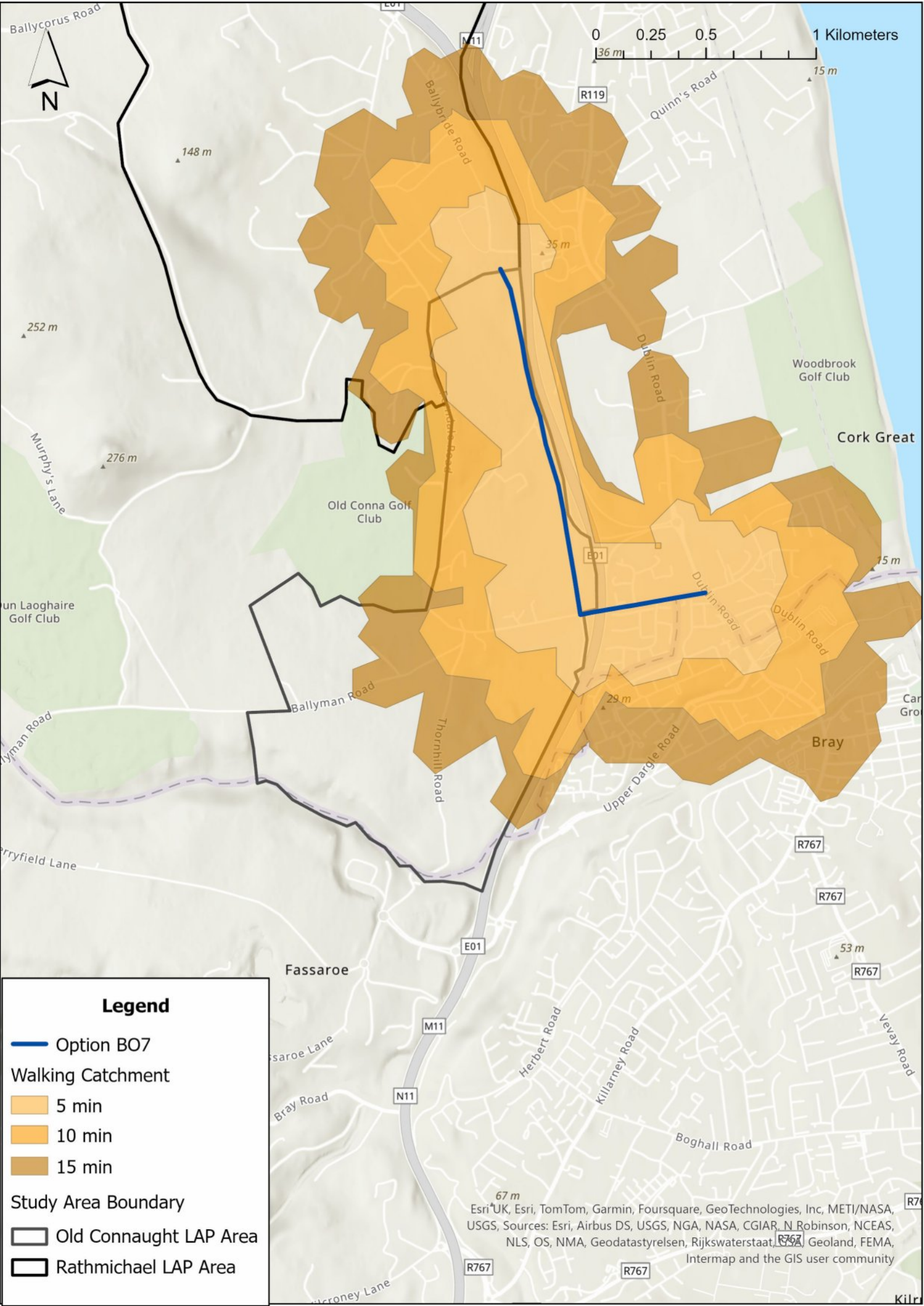




**Legend**

- Option 6
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area





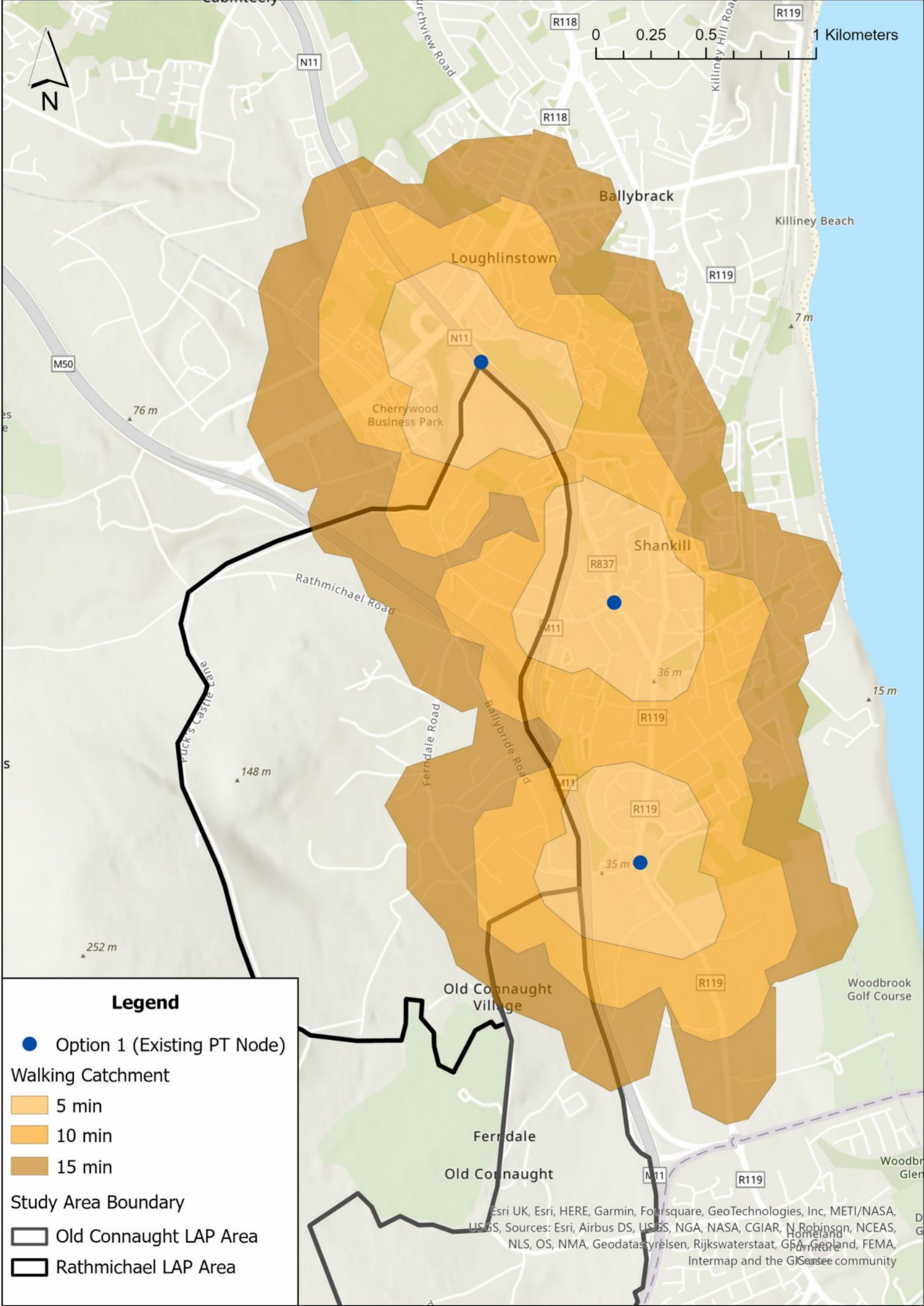
0 0.25 0.5 1 Kilometers  
36 m 15 m

**Legend**

- Option BO7
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area

Esri, UK, Esri, TomTom, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, Geoland, FEMA, Intermap and the GIS user community





0 0.25 0.5 1 Kilometers

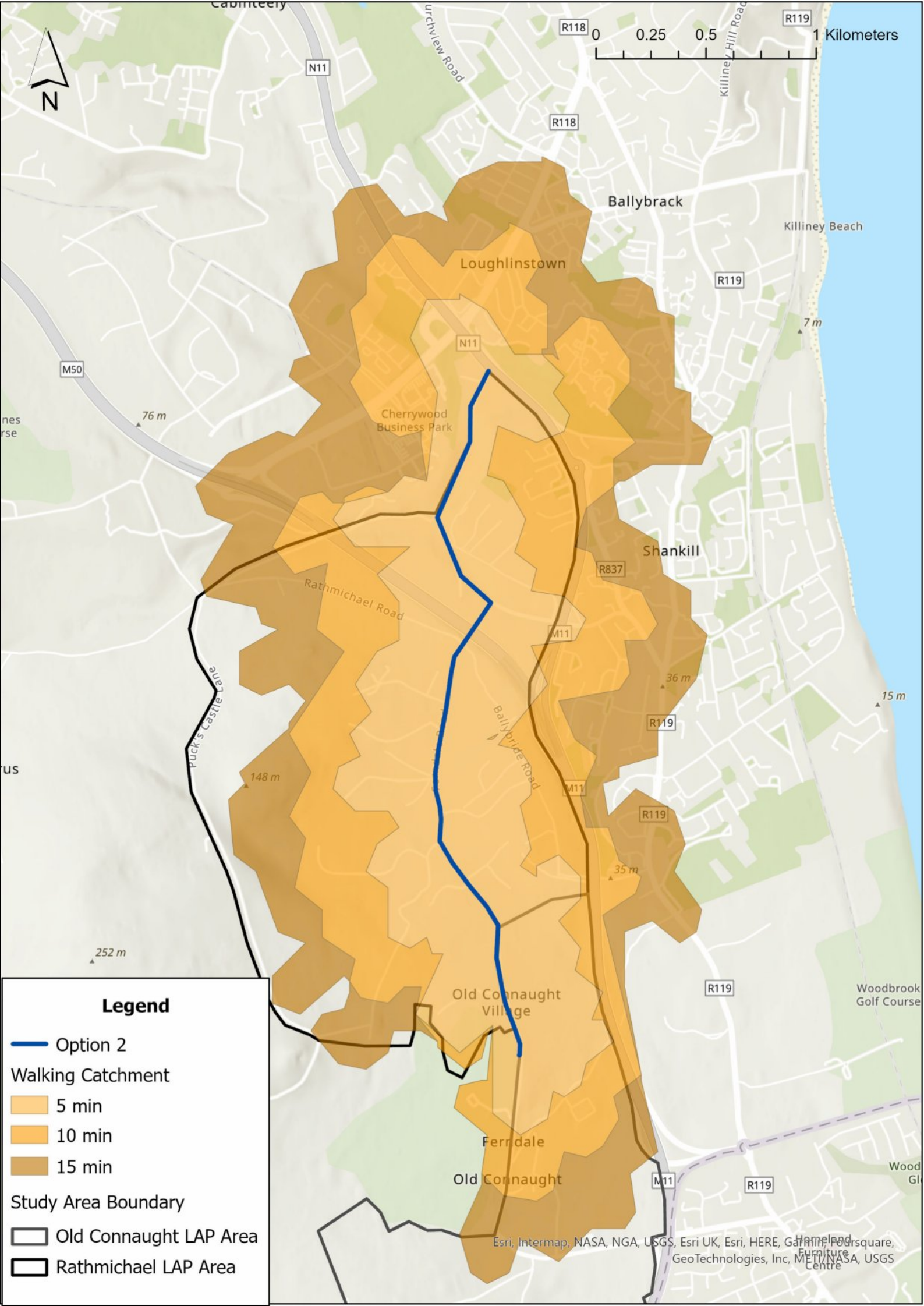


**Legend**

- Option 1 (Existing PT Node)
- Walking Catchment
  - 5 min
  - 10 min
  - 15 min
- Study Area Boundary
  - Old Connaught LAP Area
  - Rathmichael LAP Area

Esri UK, Esri, HERE, Garmin, FourSquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, Geoportal, FEMA, Intermap and the GIS user community



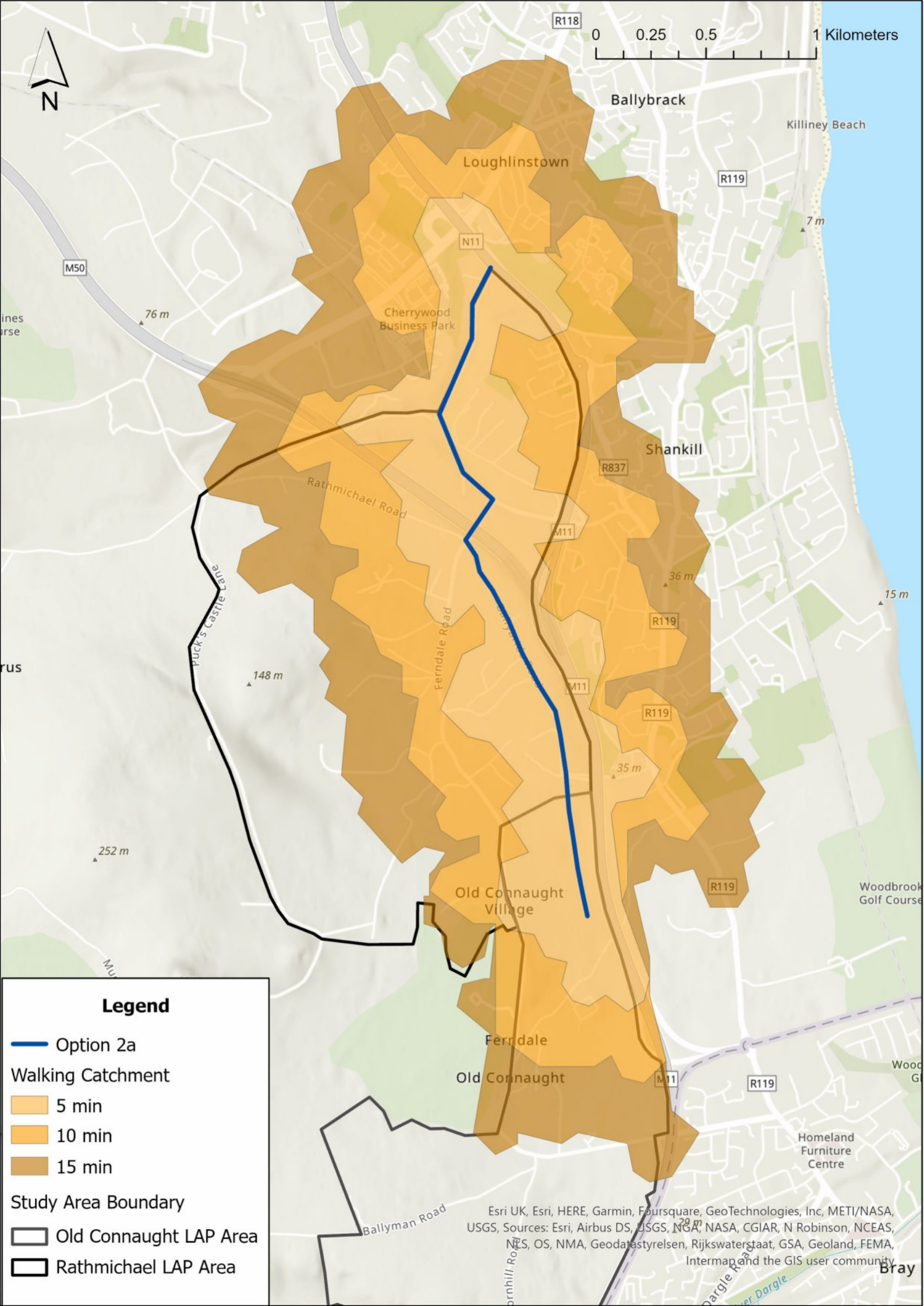


0 0.25 0.5 1 Kilometers

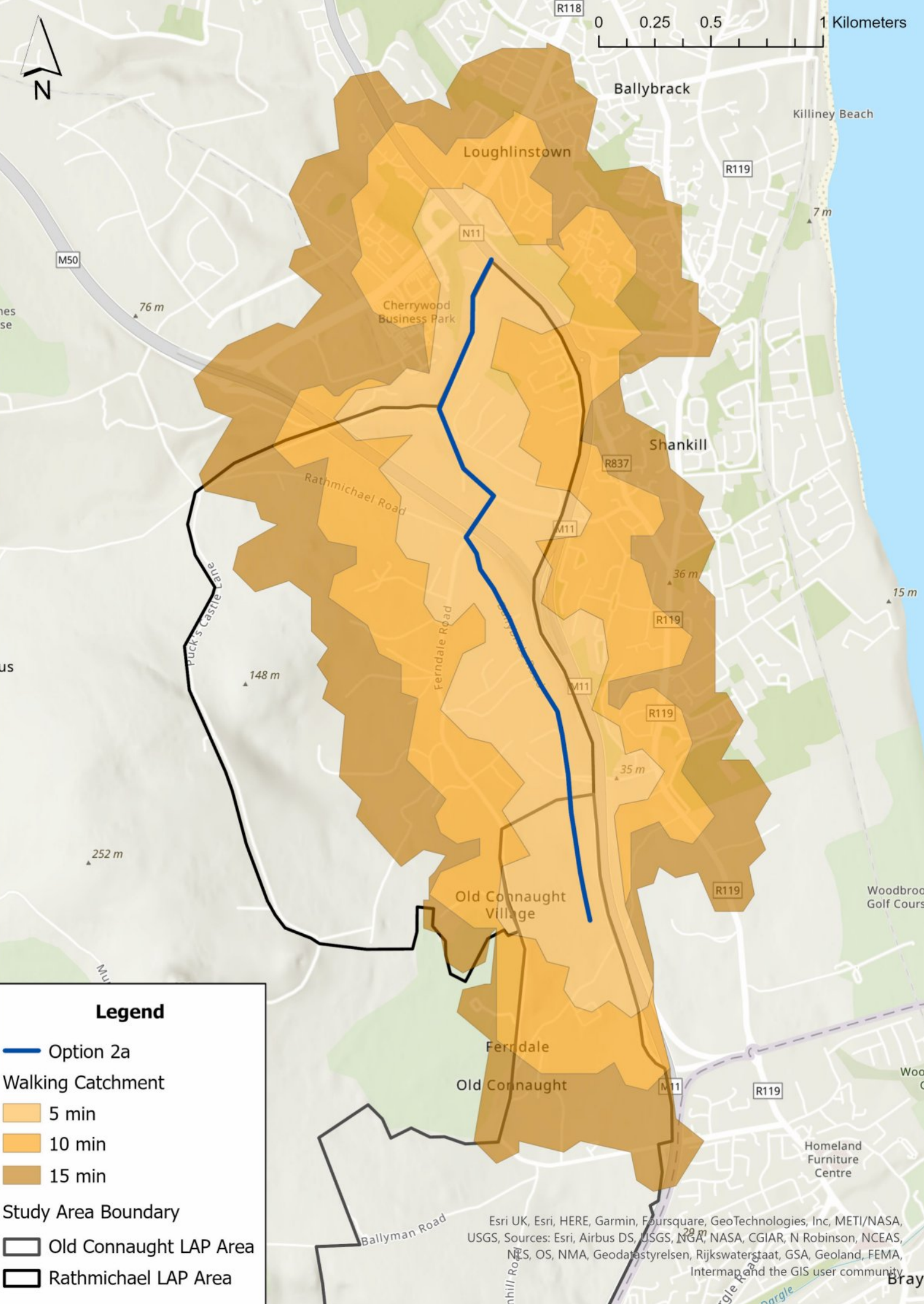
**Legend**

- Option 2
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area











0 0.25 0.5 1 Kilometers

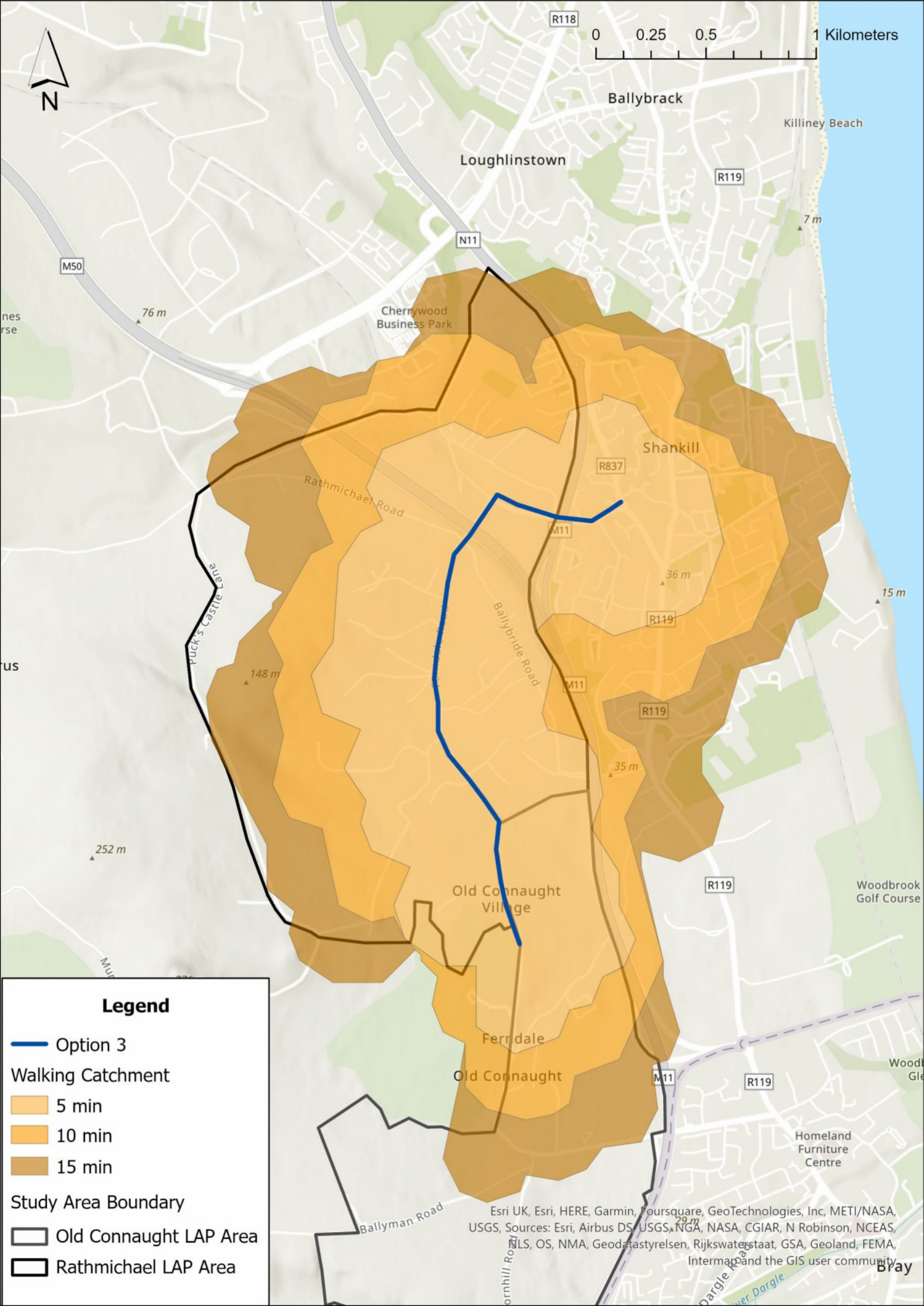


**Legend**

-  Option 2a
- Walking Catchment**
-  5 min
-  10 min
-  15 min
- Study Area Boundary**
-  Old Connaught LAP Area
-  Rathmichael LAP Area

Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NPS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community



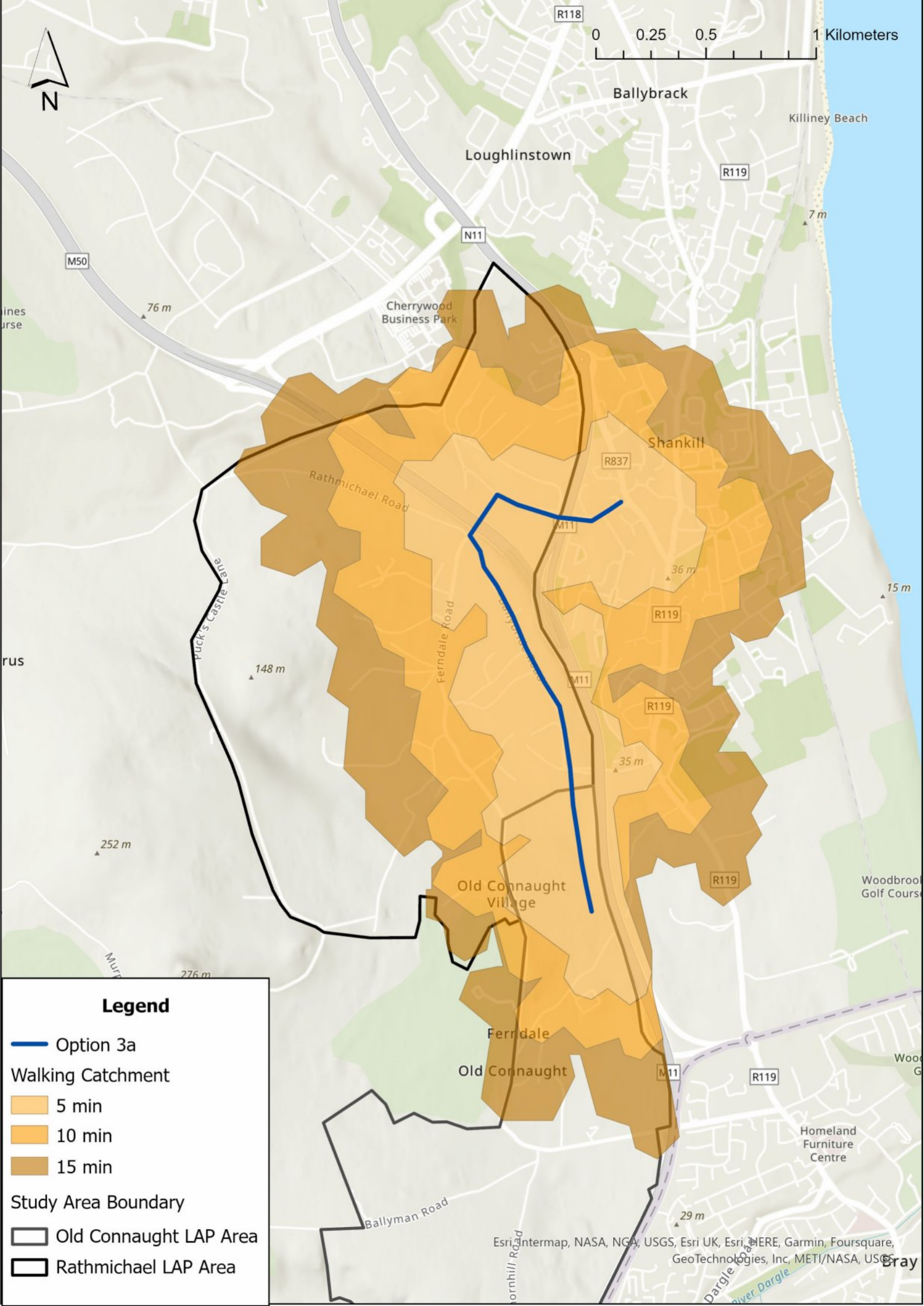


**Legend**

- Option 3
- Walking Catchment
  - 5 min
  - 10 min
  - 15 min
- Study Area Boundary
  - Old Connaught LAP Area
  - Rathmichael LAP Area

Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community





0 0.25 0.5 1 Kilometers

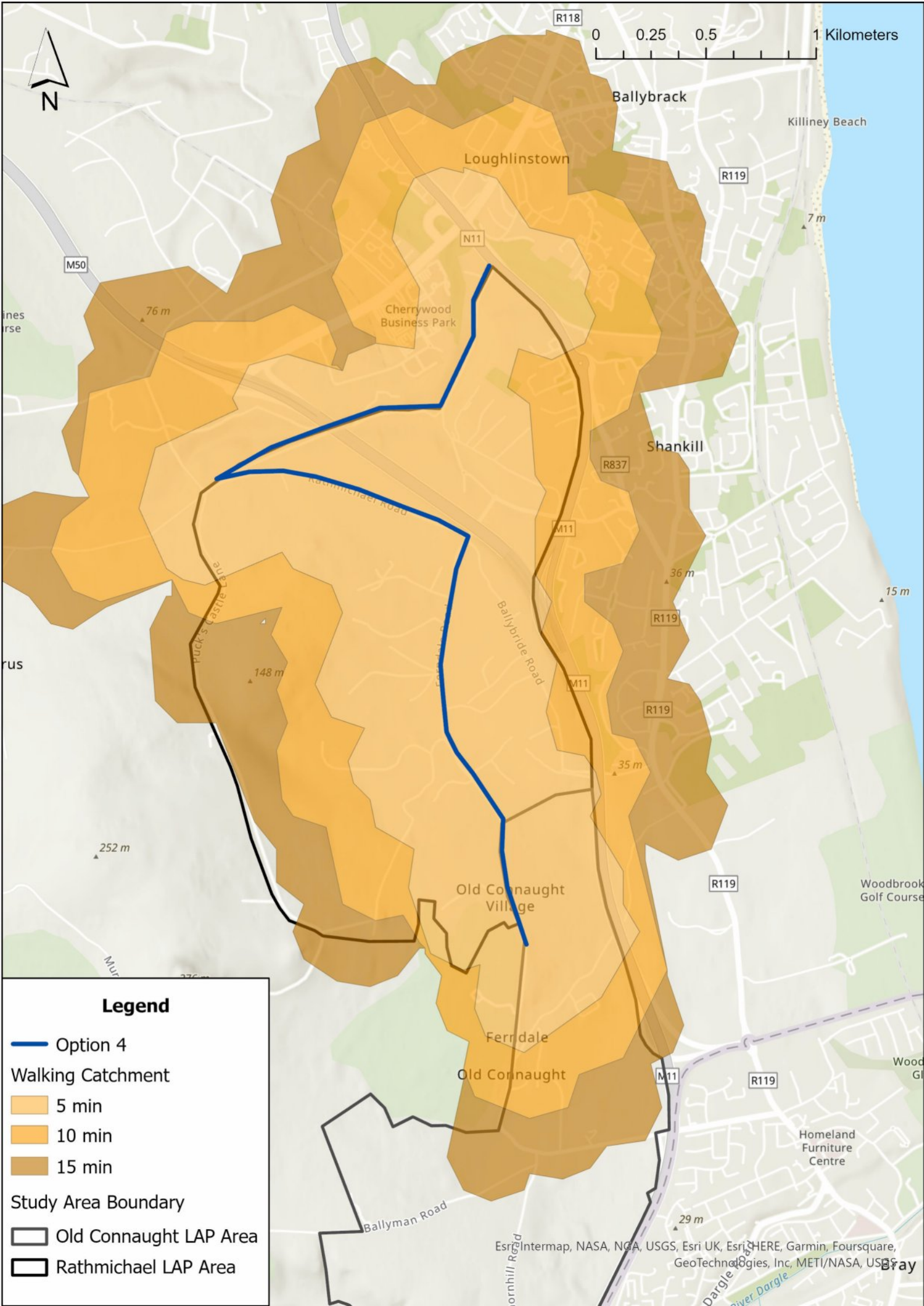


**Legend**

- Option 3a
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area

Esri, Intermap, NASA, NGA, USGS, Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS



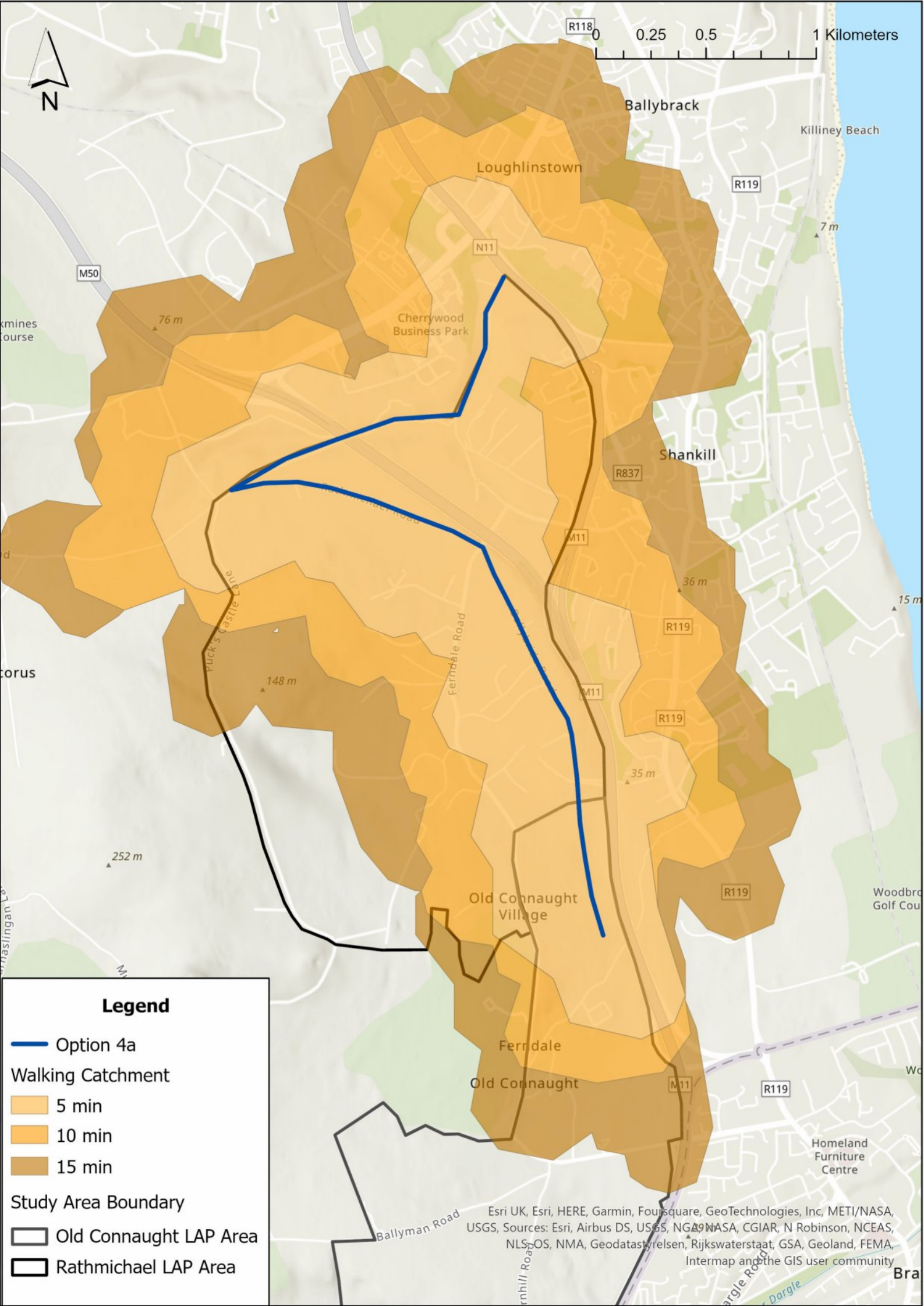


0 0.25 0.5 1 Kilometers

**Legend**

- Option 4
- Walking Catchment
- 5 min
- 10 min
- 15 min
- Study Area Boundary
- Old Connaught LAP Area
- Rathmichael LAP Area





0 0.25 0.5 1 Kilometers

mines  
course

M50

76 m

Cherrywood  
Business Park

N11

Ballybrack

R119

Killiney Beach

7 m

Shankill

R837

36 m

R119

corus

Puck's Castle  
Golf Course

148 m

Ferridale Road

M11

M11

R119

35 m

252 m

Old Connaught  
Village

R119

Woodbr  
Golf Cou

**Legend**

- Option 4a
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area

Esri UK, Esri, HERE, Garmin, FourSquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NOAA, NASA, CGIAR, N Robinson, NCEAS, NLS/OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Ballyman Road

Ferridale Road

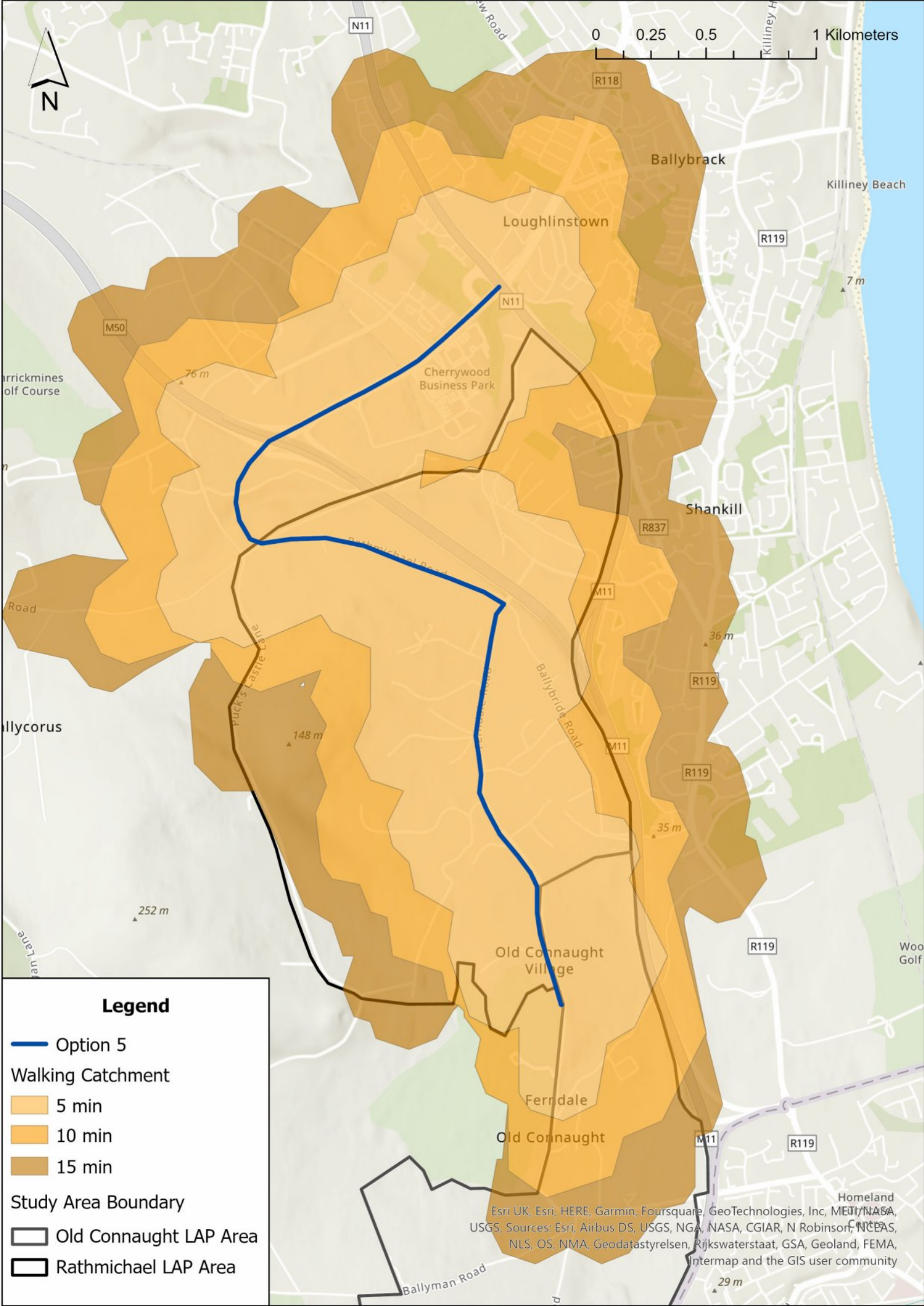
M11

R119

Homeland  
Furniture  
Centre

Bra





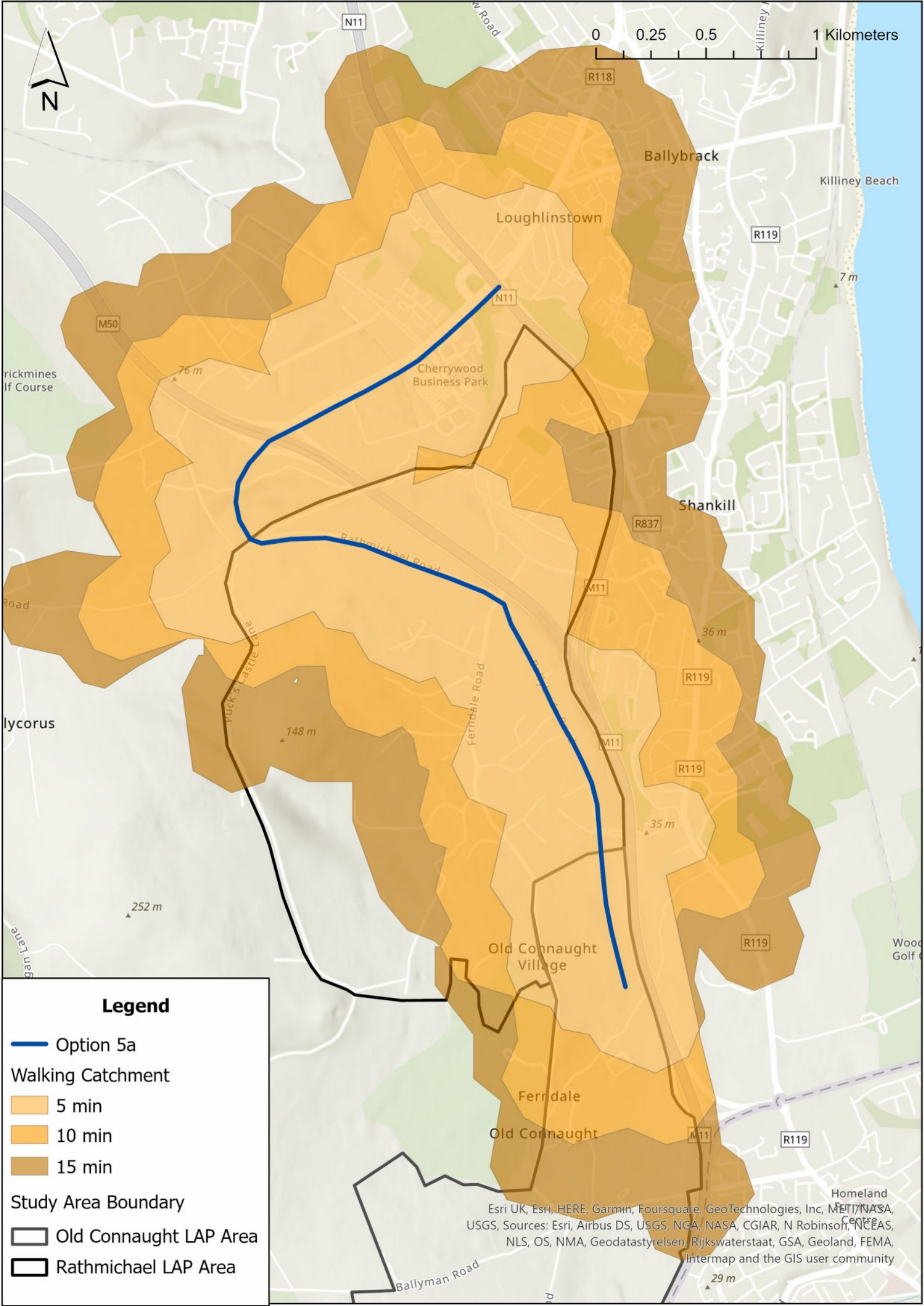
0 0.25 0.5 1 Kilometers

**Legend**

- Option 5
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area

Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, METI/NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community





0 0.25 0.5 1 Kilometers

**Legend**

- Option 5a
- Walking Catchment**
- 5 min
- 10 min
- 15 min
- Study Area Boundary**
- Old Connaught LAP Area
- Rathmichael LAP Area

Esri UK, Esri, HERE, Garmin, Foursquare, GeoTechnologies, Inc, Microsoft, NASA, USGS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community



# Appendix F

## Preliminary Strategy Process

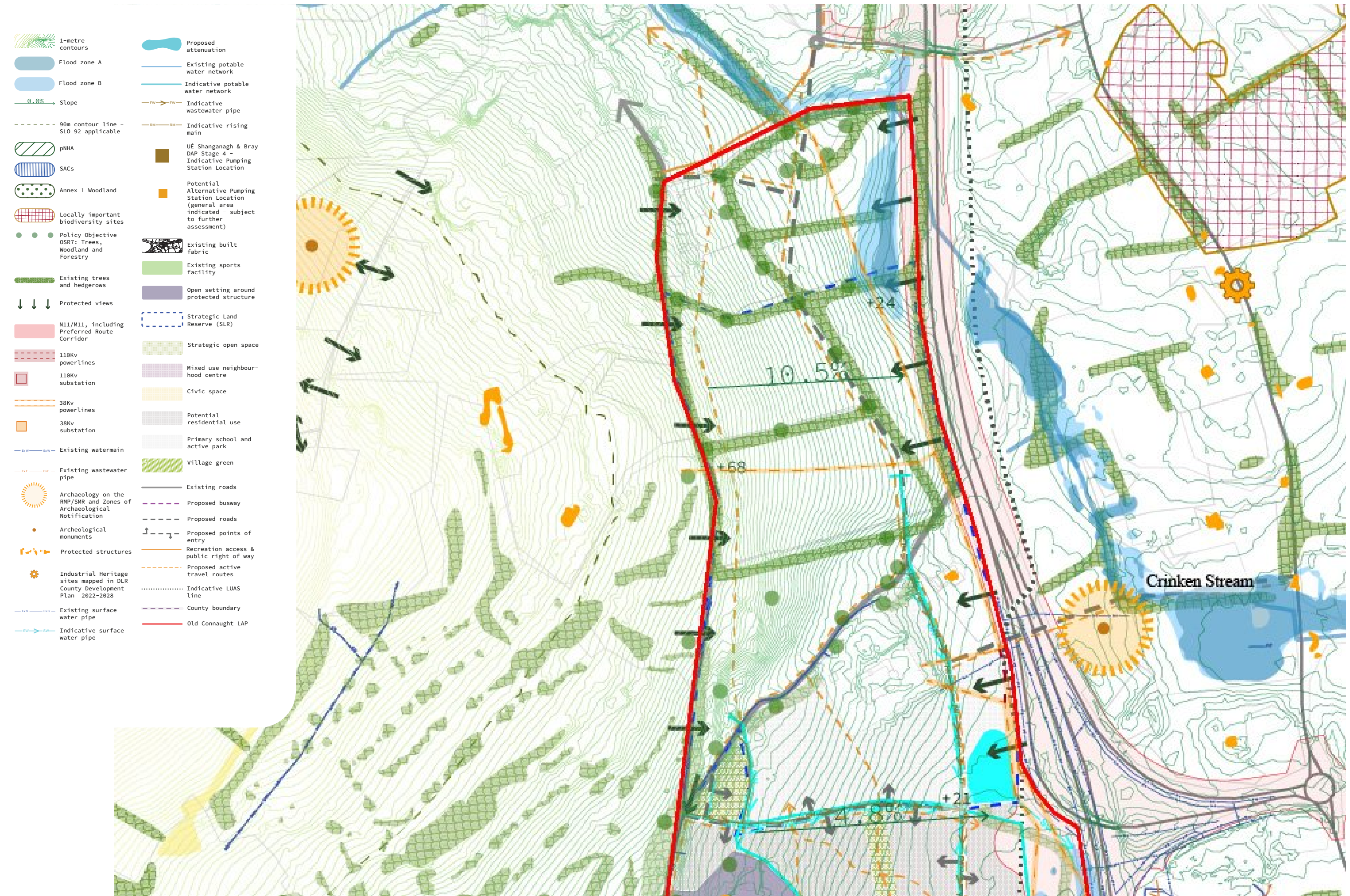


## Overview

Based on the analysis undertaken, existing assets and constraints and both existing and proposed infrastructural elements, were considered and integrated in order to develop a multi-disciplinary infrastructure framework to support the proper planning and sustainable development of the Old Connaught and Rathmichael LAP areas. Following this integrated analysis approach a high-level preliminary Spatial Strategy and preliminary Development Framework was developed for both areas. An overview of the process undertaken is illustrated in the figure below.

Figure F-1 - Figure F- 4 illustrate the range of considerations - both existing assets and constraints - and demonstrates how these components have been taken into consideration and integrated in the formulation of a preliminary Development Framework and the strategic infrastructure requirements to support same. This shows that the ICAS and process has been undertaken at an individual layer, but also as whole to contribute to a sustainable and viable community in the two LAP areas.





**Figure F-1 Old Connaught North - Multi-Disciplinary Approach to Sustainable Development**



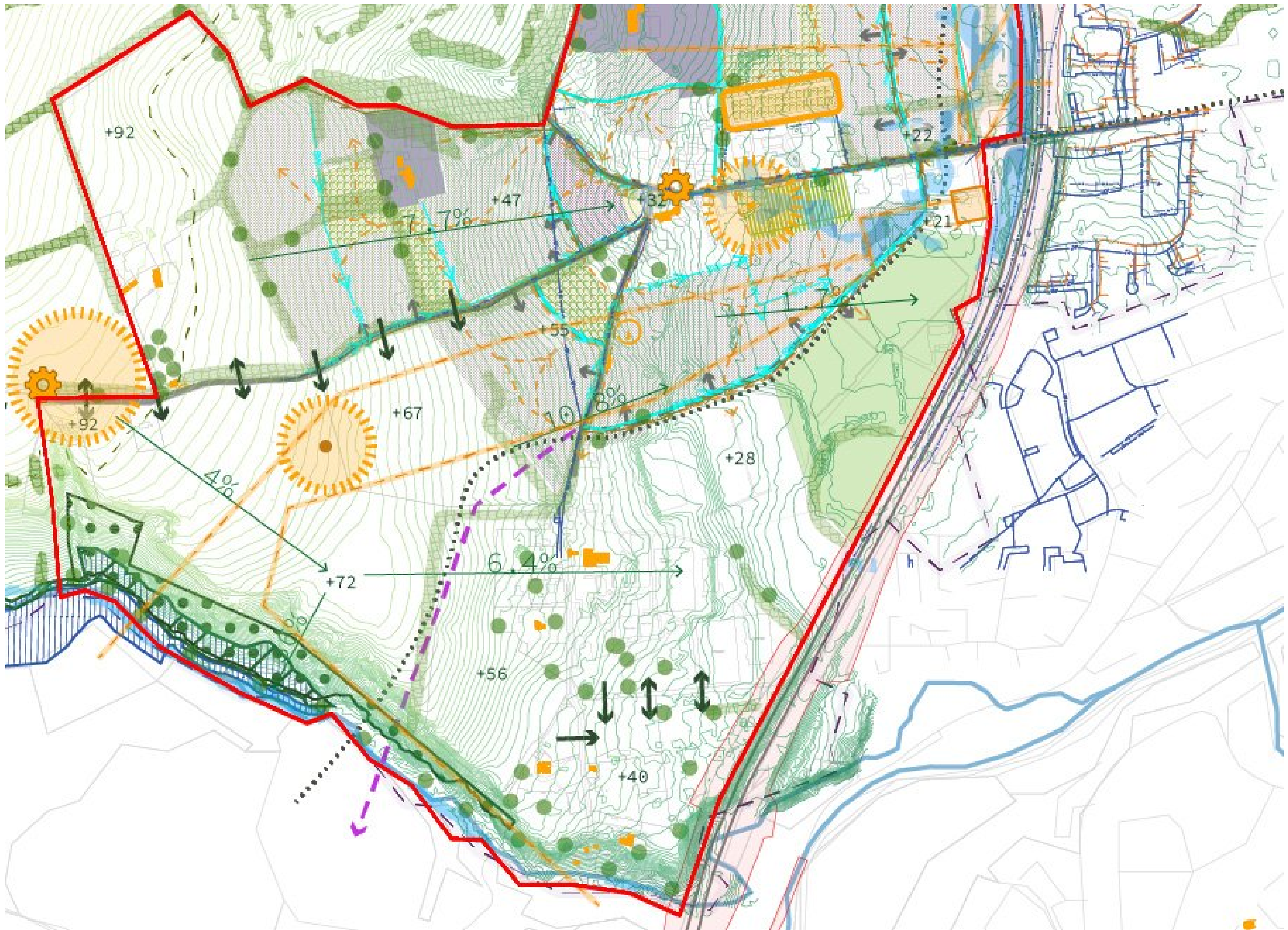
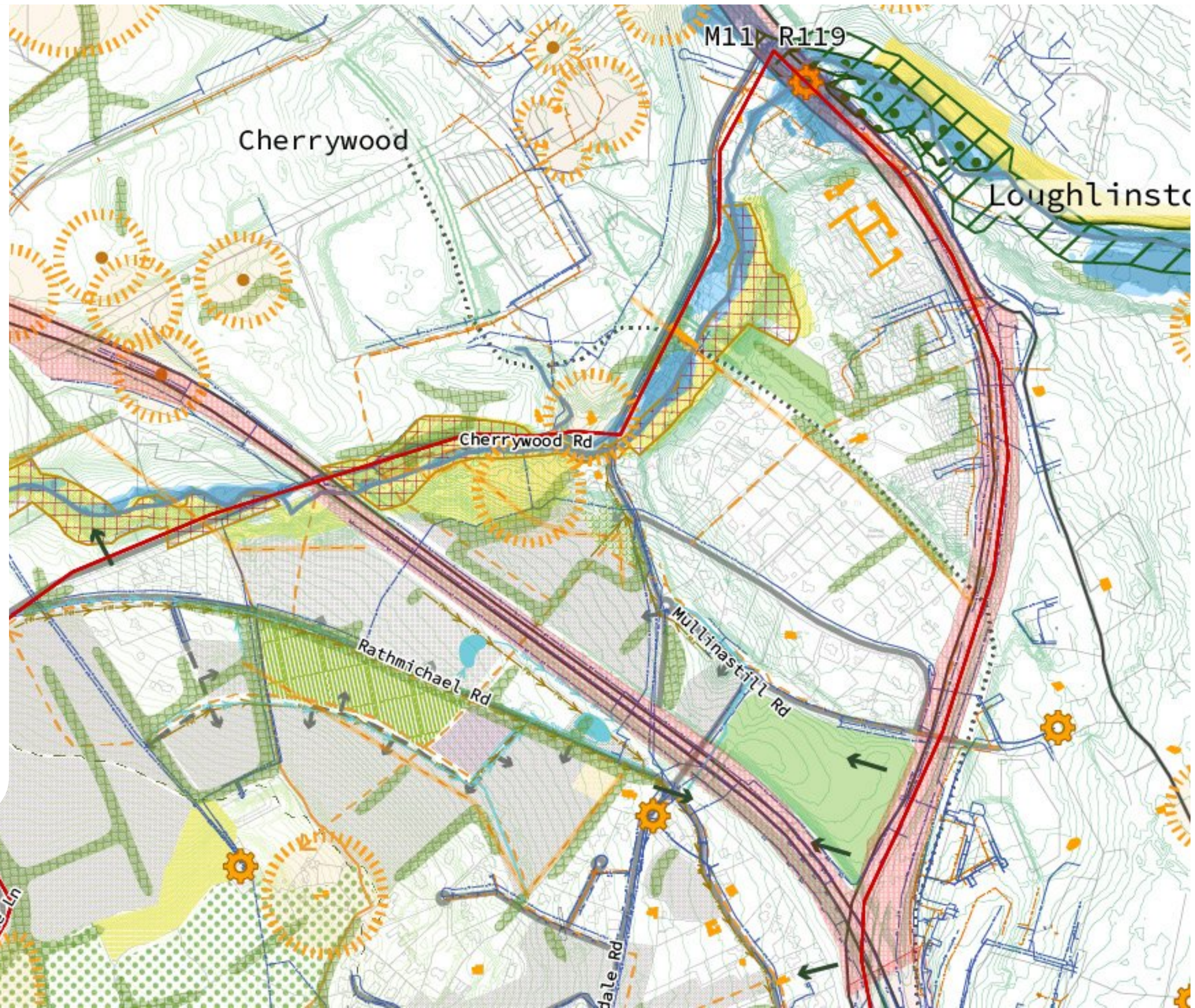


Figure F-2 Old Connaught South - Multi-Disciplinary Approach to Sustainable Development



- 1-metre contours
- Flood zone A
- Flood zone B
- Slope
- 90m contour line - SLO 92 applicable
- Annex 1 Habitat
- pNHA
- Poss Annex 1 Habitat
- Annex 1 Woodland
- Locally important biodiversity sites
- Policy Objective OSR7: Trees, Woodland and Forestry
- Existing trees and hedgerows
- Protected views
- N11/M11, including Preferred Route Corridor
- 110Kv powerlines
- 110Kv substation
- 38Kv powerlines
- 38Kv substation
- Existing watermain
- Existing wastewater pipe
- Archaeology on the RMP/SMR and Zones of Archaeological Notification
- Archeological monuments
- Protected structures
- Industrial Heritage sites mapped in DLR County Development Plan 2022-2028
- Existing surface water pipe
- Indicative surface water pipe
- Proposed attenuation
- Existing potable water network
- Indicative potable water network
- Indicative wastewater pipe
- Indicative rising main
- UÉ Shanganagh & Bray DAP Stage 4 - Indicative Pumping Station Location
- Existing built fabric
- Existing sports facility
- Rathmichael Woods
- Potential extension of Rathmichael Woods
- Biodiversity / ecological / open space
- Strategic Land Reserve (SLR)
- Strategic open space
- Mixed use neighbourhood centre
- Civic space
- Potential residential use
- Village green
- Existing roads
- Proposed roads
- Proposed points of entry
- Recreation access & public right of way
- Proposed active travel routes
- Indicative LUAS line
- Rathmichael LAP



**Figure F-3 Rathmichael North - Multi-Disciplinary Approach to Sustainable Development**



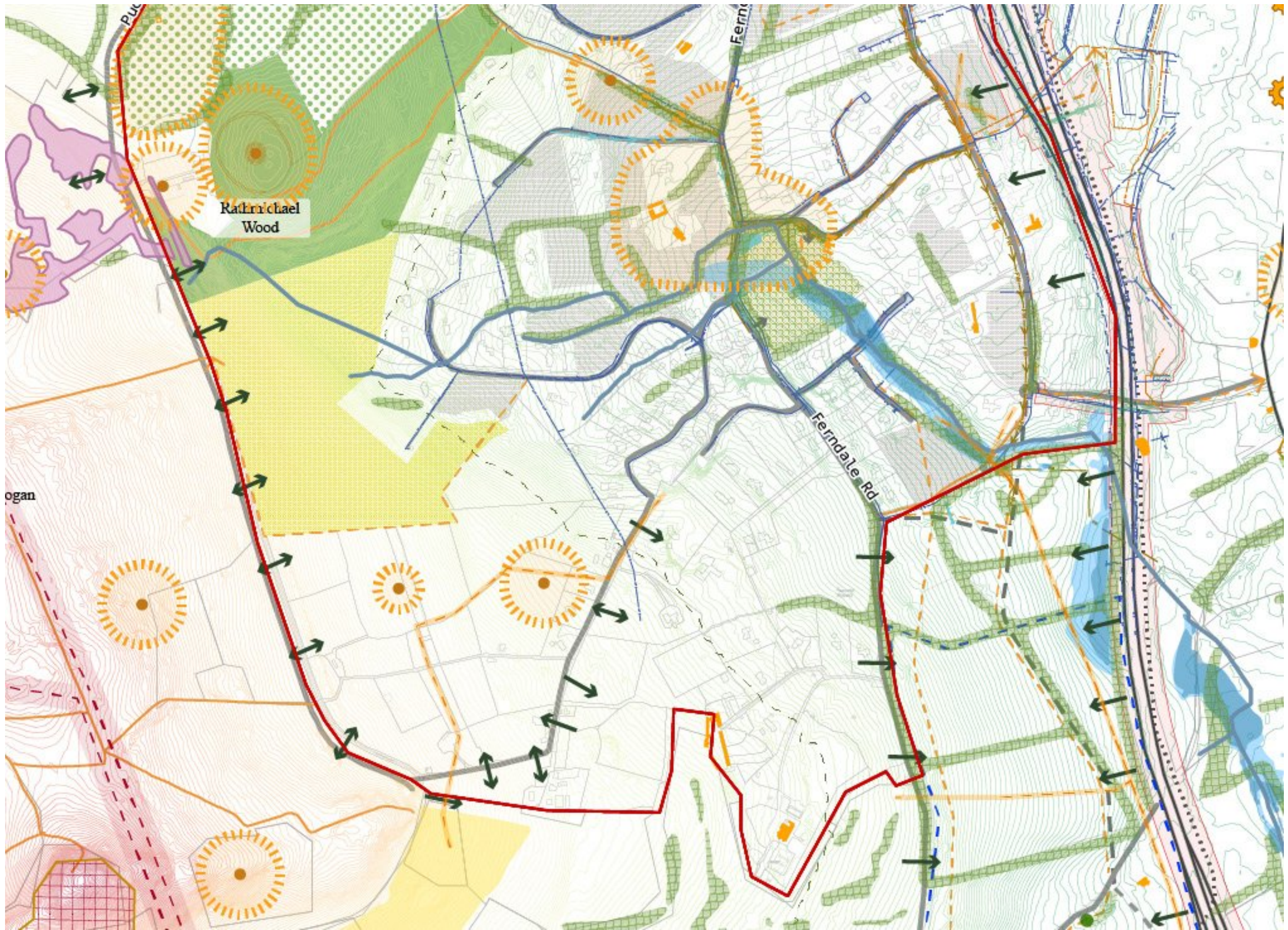


Figure F-4 Rathmichael South - Multi-Disciplinary Approach to Sustainable Development



# Appendix G

## Description of Proposed Measures



# Description of Proposed Measures

## Active travel

Option	Description
RC1	This option proposes minor local interventions along the existing right of way route connecting Ballycorus Road and Castle Street in Cherrywood through Ticknick Park to enable cycling access. This route would tie in with the proposed two-way cycle track along Beckett Road. This option aligns with an existing right of way route and fulfils a greenway route proposal in the 2022 GDA Cycle Network Plan and will be subject to the requirements of TII Publications.
RC3	This option proposes the construction of a new active travel bridge connecting Rathmichael Road and Cherrywood, passing beneath the M50 and over Brides Glen Road. This is noted as a specific local objective (SLO 150) in the DLRCC 2022-2028 CDP and subject to requirements of maintaining and protecting the NRN, as per RSES, SPNR, GDA Strategy, and TII Publications.
RC4	This option proposes a new link from Rathmichael Road to Brides Glen Road, with upgrades to Brides Glen Road and the Glencarraig estate road, with a new link between Glencarraig and Cherrywood and will be subject to the requirements of TII Publications.
RC6	This option proposes the provision of active travel infrastructure along the Cherrywood Viaduct along with links continuing on to Falls Road and Mulinastill Road. This option fulfils a primary orbital/secondary route proposal outlined in the 2022 GDA Cycle Network Plan. This route is also identified as the indicative route for the Luas extension to Bray.
RC7	This option proposes upgrades to the existing active travel route connecting from Cherrywood Road to Cherrywood via a short laneway. Proposed upgrades include an improved entry treatment and connection to potential active travel infrastructure along Cherrywood Road.
RS1	This option proposes the construction of a new link between Stonebridge Road and Parc Na Silla Rise, utilising the existing pedestrian/cycle bridge across the N11 immediately north of the Loughlinstown Roundabout subject to compliance with requirements of TII Publications.
RS3	This option proposes the provision of active travel upgrades along the existing Stonebridge Road between the Rathmichael Road/ Ferndale Road/Ballybride Road roundabout and Dublin Road, subject to the requirements of TII Publications. The section of this route east of the M11 is included as part of the Bray to City Centre CBC proposal as part of BusConnects. This option fulfils a secondary/inter urban route proposal outlined in the 2022 GDA Cycle Network Plan.
RS5	This option proposes the provision of active travel upgrades, subject to the requirements of TII Publications, along the existing Crinken Lane Road and bridge connecting Ballybride Road to Dublin Road.
RO2	This option proposes a parallel route within the Strategic Land Reserve lands adjacent to Ferndale Road, but to the east of the existing trees/hedgerows along the road.
RO3	This option proposes a new north-south link along the eastern edge of the Old Connaught LAP area, roughly parallel to the M11, connecting Ballybride Road/Crinken Lane to Old Connaught Avenue.
RO4	This option is an alternative to RO3, where Allies River Road and the existing laneway between Festina Lente and Old Connaught House is utilised for the southern portion of the route.
OW3	This option proposes the provision of a new active travel bridge across the M11 in the vicinity of Allies River Road, but further south of the current road alignment, to the north of the M11 Junction 5 subject to the requirements of SPNR and TII Publications. This option aligns with a policy objective and a specific local objective in the DLRCC 2022-2028 CDP to create an active travel connection across the M11 in the vicinity of Allies River Road.
OW6	This option proposes the provision of active travel upgrades to the current Old Connaught Avenue bridge across the M11, subject to compliance with the requirements of TII Publications, which may require traffic management measures due to the limited space available. This option fulfils a secondary route proposal outlined in the 2022 GDA Cycle Network Plan.
OB5	This option proposes the construction of a new active travel bridge across the M11 from the southern boundary of St Gerards School to Love Lane/Blind Lane on the eastern side of the M11 subject to the requirements of SPNR and TII Publications.  This option aligns with a policy objective in the DLRCC 2022-2028 CDP for a proposed pedestrian/cycle footbridge, as set out in Table 5.2 of the DLR CDP 2022-2028. This option also fulfils a feeder route proposal outlined in the 2022 GDA Cycle Network Plan.
OF1	This option proposes a new link parallel to the M11 from the Old Connaught lands to the north, connecting to Fassaroe Lane as proposed as a secondary route in the 2022 GDA Cycle Network Plan, along with utilisation of existing cycle infrastructure along Fassaroe Lane, subject to the requirements of SPNR and TII Publications,



Option	Description
<b>OF4</b>	This option proposes the construction of a new active travel bridge linking Old Connaught and Fassaroe. This option aligns with objectives in the DLRCC 2022-2028 CDP. This option fulfils an inter urban route proposal outlined in the 2022 GDA Cycle Network Plan.

## Cherrywood to Bray Cycle Route

Option	Description
<b>GRB</b>	This option proposes a route which utilises a potential bridge running between Cherrywood and Rathmichael Road, which would then run along Rathmichael Road itself. A potential bridge design, delivery and maintenance arrangements will have regard to the presence of the M50, the requirements of SPNR and demonstrate compliance with TII Publications.
<b>GR3</b>	This option proposes a route which runs along Ballybride Road, and continues south in the form of a new link between Crinken Lane and Allies River Road, subject to the requirements of SPNR and TII Publications. This option differs from Option 2 in that it continues south in the form of a new link between Allies River Road and Old Connaught Avenue, where it runs east along Old Connaught Avenue before turning south along Dublin Road.

## Bus Provision

Option	Description
<b>BO2</b>	This option proposes a route which utilises a proposed busway between Old Connaught and Fassaroe, running along Thornhill Road and Old Connaught Avenue.
<b>BO6</b>	This option proposes a route which runs from Fassaroe to Old Connaught across a potential busway, continuing along Thornhill Road before running eastwards along Old Connaught Avenue. From there it would utilise a new internal development road which would run north-south through the northern end of the Old Connaught LAP area.
<b>BR3</b>	This option proposes a route along Cherrywood Road, continuing west along Brides Glen Road, before turning east along Rathmichael Road and turning south to either Ferndale Road (A) or Ballybride Road (B). The northbound service would follow the same route but in reverse.
<b>BRA</b>	Under this option the proposed bus routes run along Ferndale Road until reaching the Old Connaught Area.

## Road Upgrades

Option	Description
<b>RU1</b>	Ballycorus Road
<b>RU3</b>	Cherrywood Road
<b>RU4</b>	Brides Glen Road
<b>RU6</b>	Rathmichael Road
<b>RU15</b>	Thornhill Road

## Internal Road Links

Option	Description
<b>Option IL3</b> Ferndale Road to IL4	This option proposes a new link road between Ferndale Road and the proposed North South Road indicated as Option 4 below. This option would allow for a bus route to run along the northern end of Ferndale Road but divert to the newly proposed road to avoid the more restricted southern end. This would also facilitate potential internal circulation between Ballybride Road and Ferndale Road.
<b>Option IL4</b>	This option proposes a new road parallel to the M11, connecting Crinken Lane to Old Connaught Avenue along the eastern side of the Old Connaught LAP area. This option would provide an additional north-south link as an alternative to the use of Ferndale Road, which is rural in character and can facilitate minimal widening.



Ballybride Road / Crinken Lane to Old Connaught Avenue	
<b>Option IL5</b> Ferndale Road to Ballyman Road	This option proposes a connecting road between Ferndale Road and Ballyman Road, this would allow for vehicles to bypass the core Old Connaught village junction.
<b>Option IL6</b> Ballyman Road to Thornhill Road	This option proposes a connecting road between Ballyman Road and Thornhill Road, this would allow for vehicles to bypass the core Old Connaught village junction.
<b>Option IL7</b> Old Connaught Southern Outer Road	This option proposes a connecting road between Thornhill Road and Old Connaught Avenue replicating the alignment shown for the Luas spur to Fassaroe as shown in the DLRCC 2022-2028 CDP. This would allow for vehicles to bypass the core Old Connaught village area which would facilitate potential active travel improvements, along with acting as an internal development road. Any interaction with areas managed and operated as part of the M11 will require regard to SPNR and co-ordination with TII, including demonstration of compliance with TII Publications as appropriate.
<b>Option IL8</b> Old Connaught North Outer Road	This option proposes a connecting road between Old Connaught Avenue and Ferndale Road. This would allow for vehicles to bypass the core Old Connaught village area which would facilitate potential active travel improvements, along with acting as an internal development road. Any interaction with areas managed and operated as part of the M11 will require regard to SPNR and co-ordination with TII, including demonstration of compliance with TII Publications as appropriate.

## External Road Links

Option	Description
<b>Option EL8</b> Old Connaught to Dublin Road Link	This option proposes a connection between Old Connaught and Dublin Road to the north of the M11 junction 5. This link would allow for Old Connaught Avenue to be converted to an active travel and Public Transport only, with the proposed link acting as the only vehicular route across the M11 from Old Connaught. This link would not be necessary should the local road extension of M11 Junction 5 be undertaken as part of the M11/N11 Junction 4 to Junction 14 Improvement Scheme.