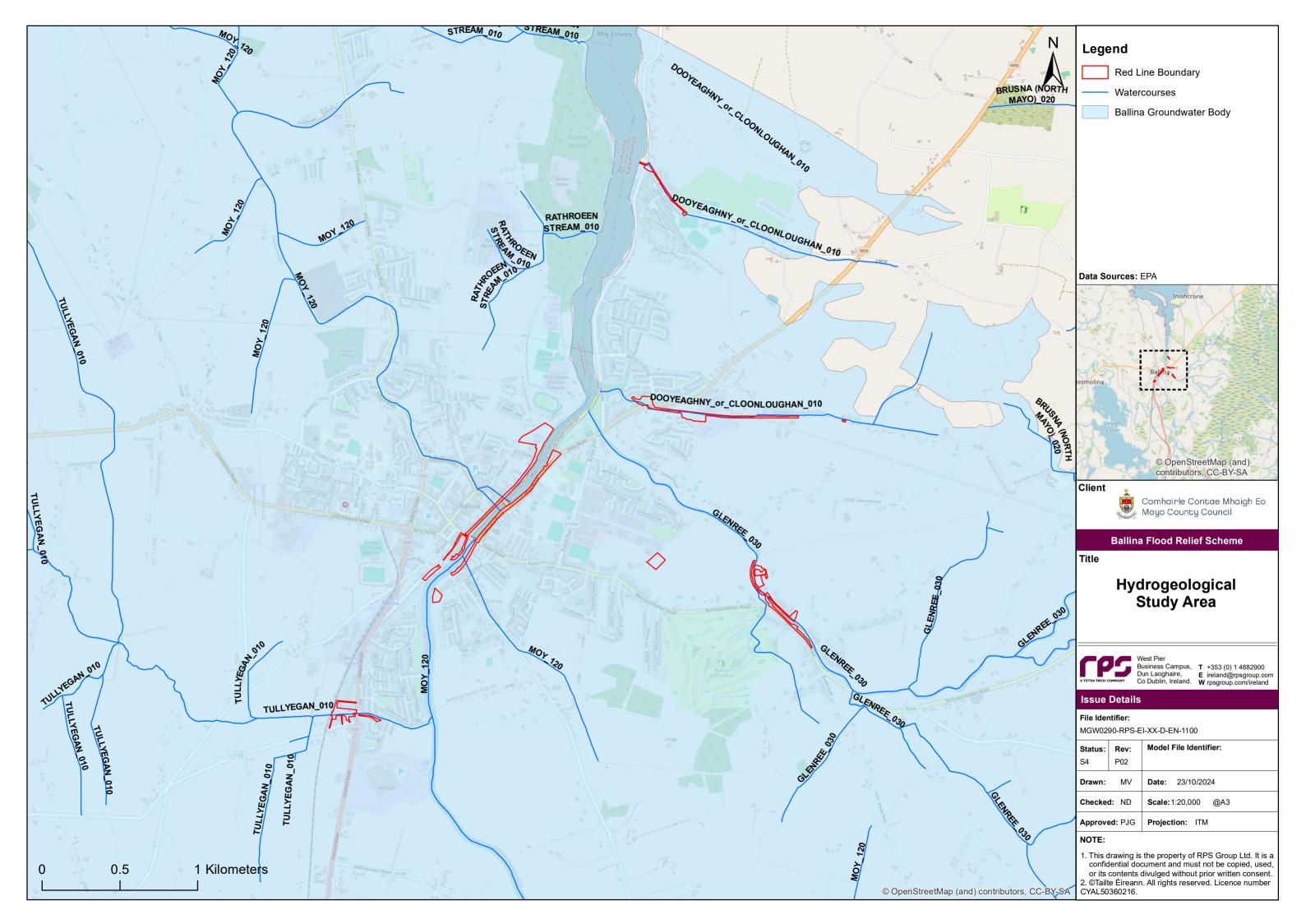
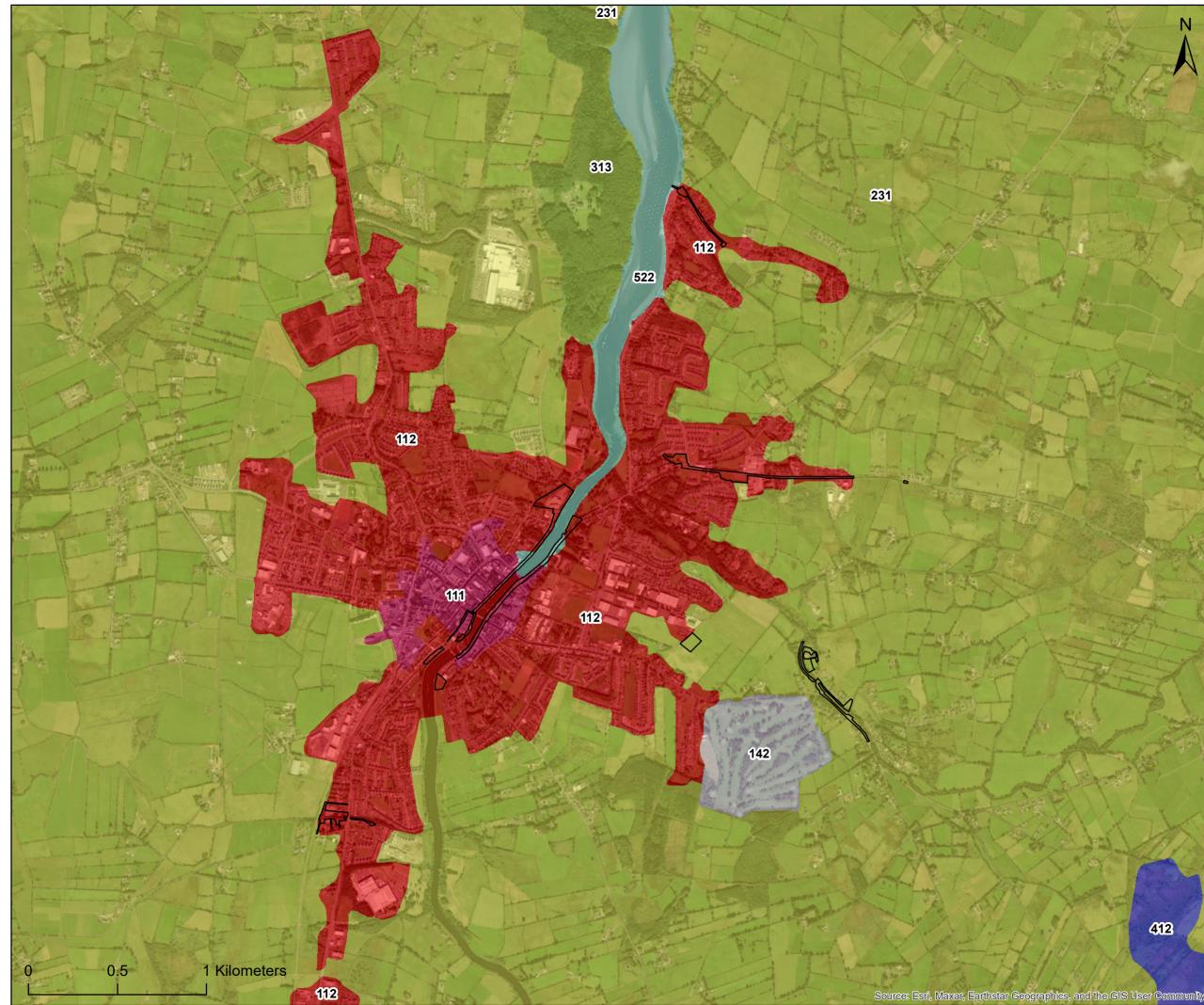
Appendix 11.1 Land, Soil, Geology and Hydrogeology Drawings









Red Line Boundary

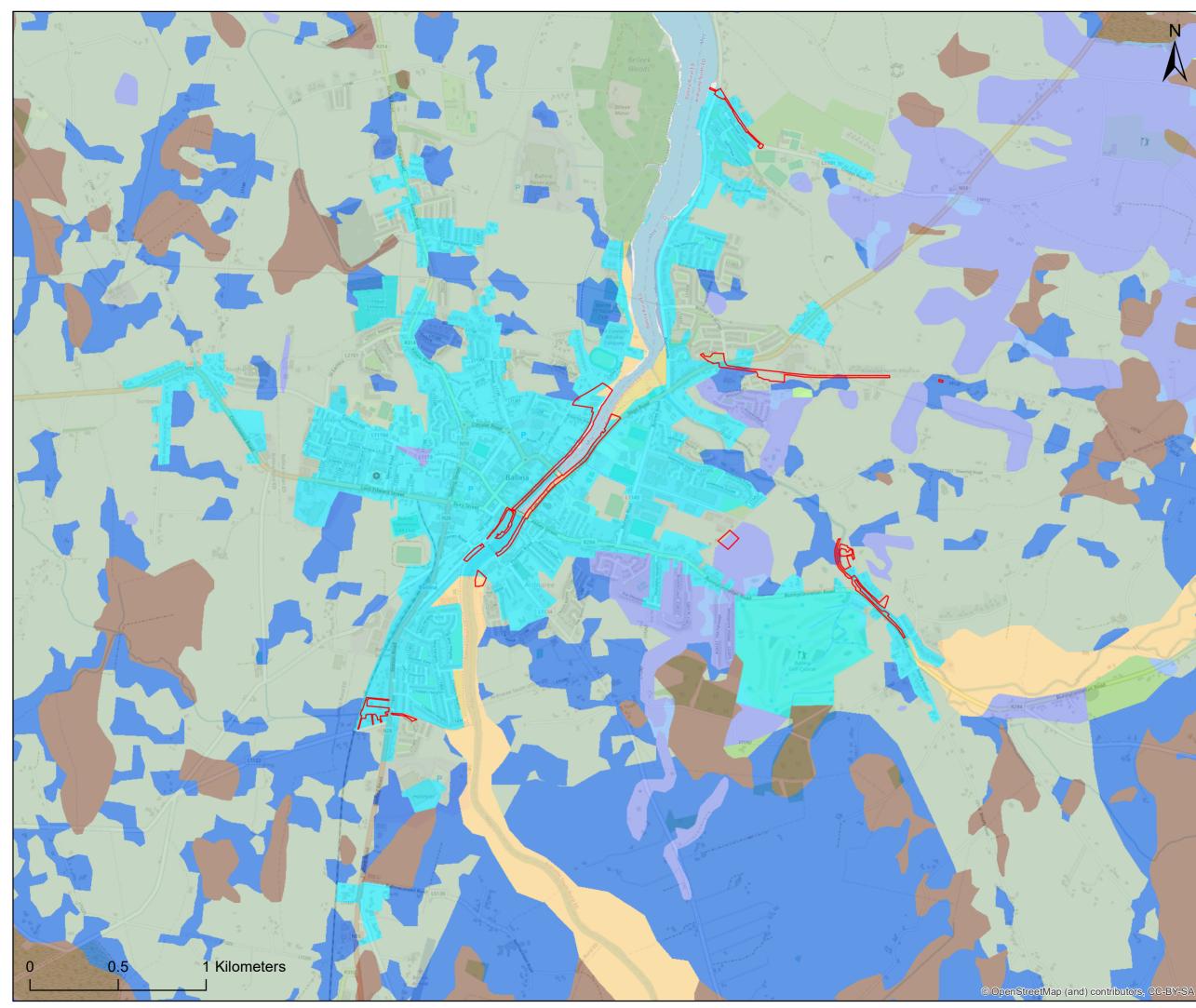
Corine Landcover Type

- 111 Continuous urban fabric
- 112 Discontinuous urban fabric
- 142 Sport and leisure facilities
- 231 Pastures
- 313 Mixed forest
- 412 Peat bogs
- 522 Estuaries

Data Sources: CORINE



412



Legend

N

Red Line Boundary

Soil Description

- AlluvMIN Alluvial (Mineral)
- BminDW Deep well drained mineral (Mainly basic)

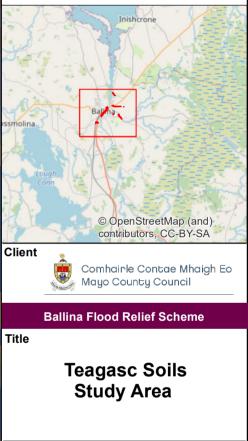
BminPD - Mineral poorly drained (Mainly basic) BminSP - Shallow poorly drained mineral (Mainly

- basic)
- BminSPPT Peaty Gleys Shallow

BminSRPT - Shallow, rocky, peaty/non-peaty mineral complexes (Mainly basic) BminSW - Shallow well drained mineral (Mainly basic)

- Cut Cutover/cutaway peat
- Marine Sediment
- Made Ground

Data Sources: EPA





West Pier Business Campus, Dun Laoghaire, Co Dublin, Ireland. W rpsgroup.com/ireland

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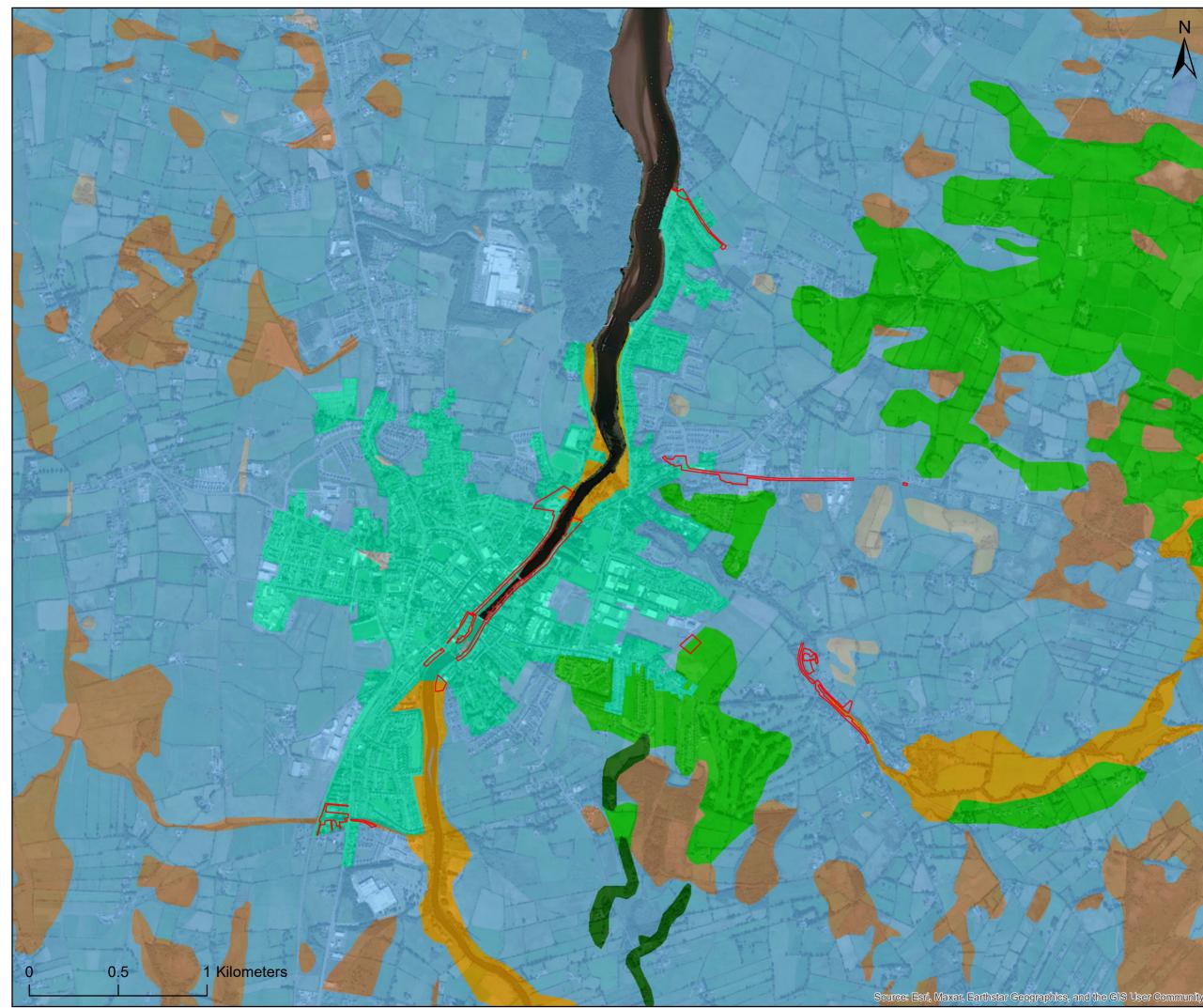
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Red Line Boundary

Quaternary Geology

A, Alluvium

- BasEsk, Eskers comprised of gravels of basic reaction
- Cut, Cut over raised peat
- GLs, Gravels derived from Limestones
- Mesc, Esturine silts and clays
- Pier

Rck, Bedrock outcrop or subcrop

- TLs, Till derived from limestones
 - Urban

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Client



Comhairle Contae Mhaigh Eo Mayo County Council

Ballina Flood Relief Scheme

Title

Quaternary Geology



West Pier Business Campus, Dun Laoghaire, Co Dublin, Ireland. W rpsgroup.com/ireland

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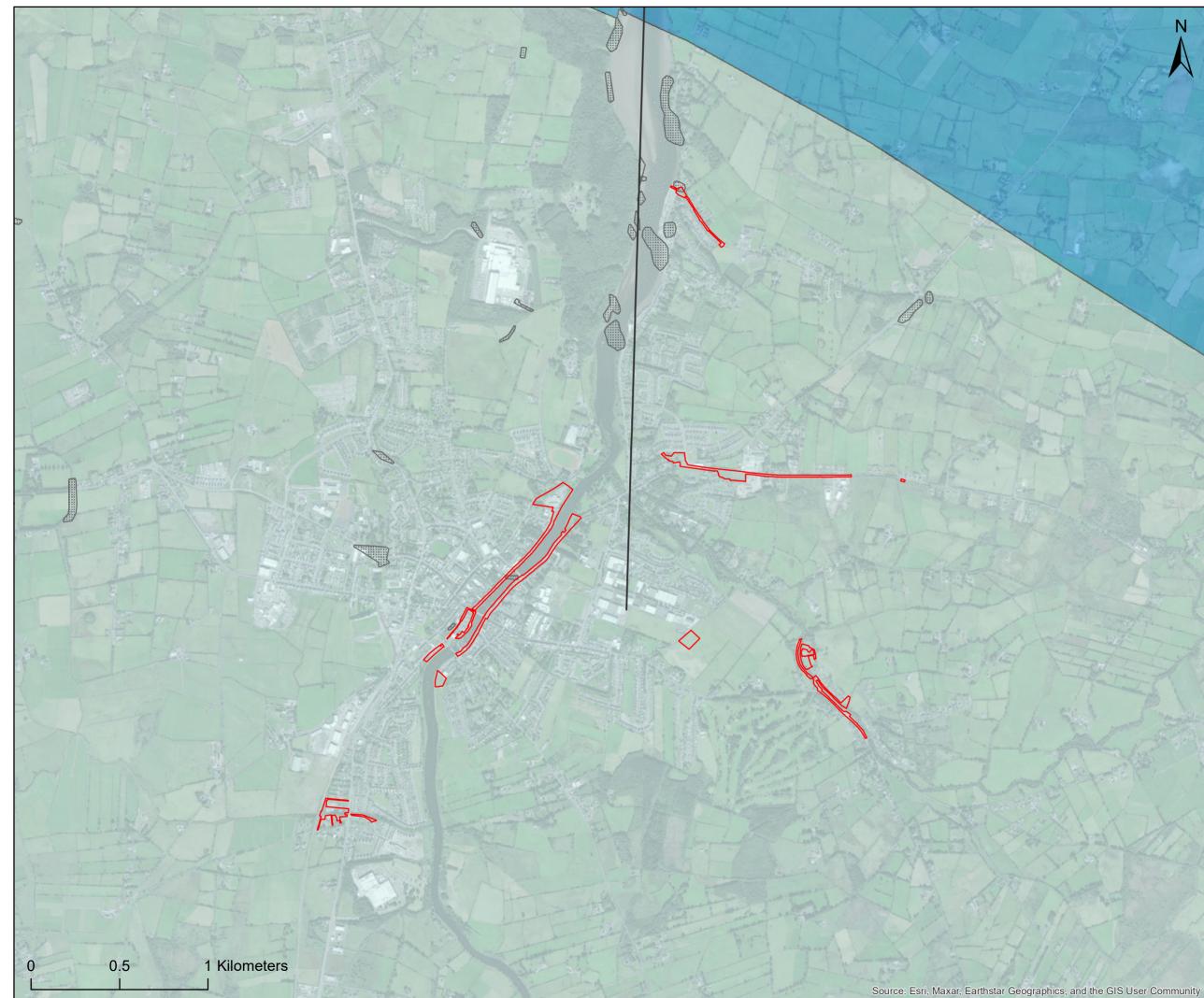
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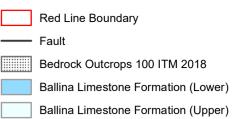
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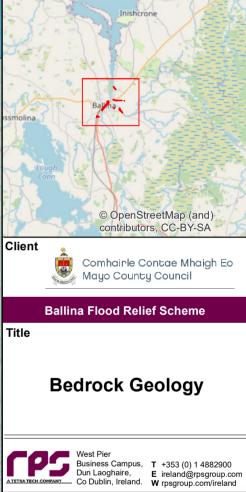
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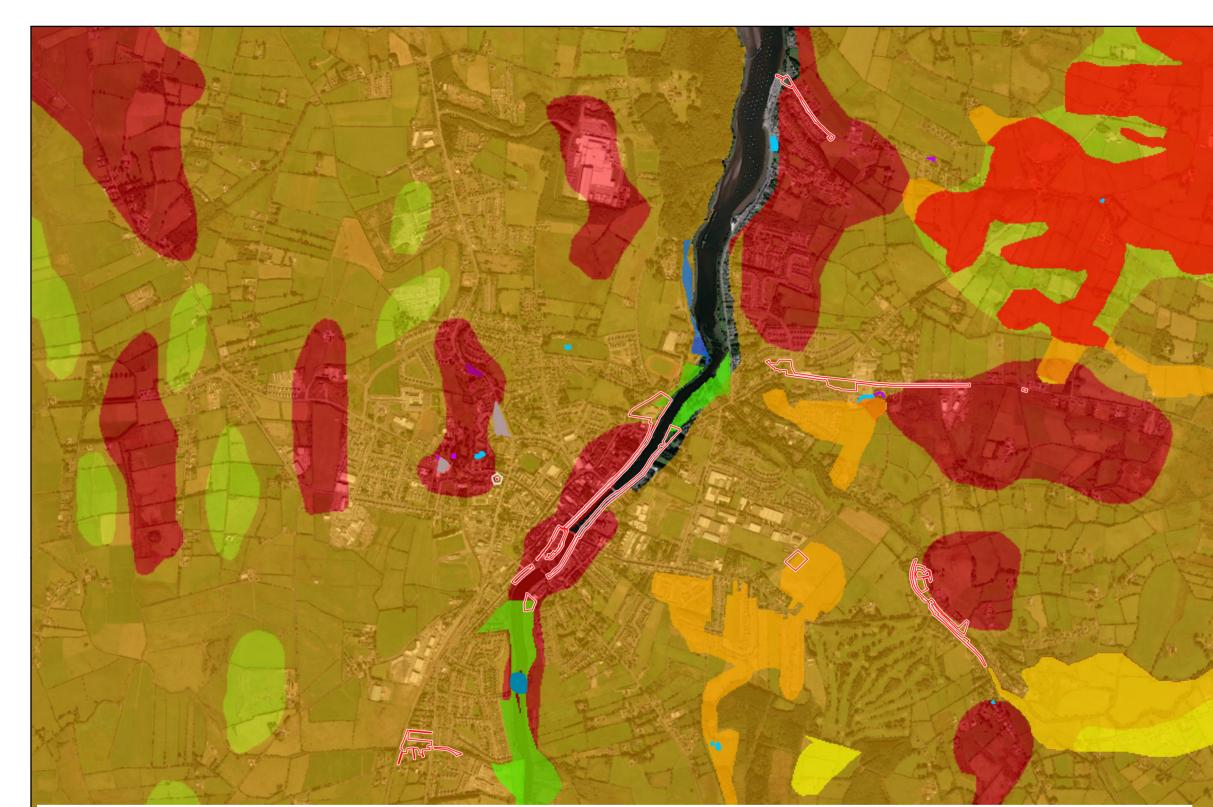
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Legend

Historic Pits and Quarry Locations Documented c. 1970: Pits (Cos. Kildare, Wicklow) Late 20thC: Quarries Pit / Quarry Type Mid-Late 20thC: Pits Documented c. 1970: Quarries (Co. Wicklow) Potential Mid-20thC: Pits Mid-Late 20thC: Quarries ⊕ Pit Mid-20thC: Quarries Early to Mid-20thC: Pits Quarry Early 20thC: Pits (Cos. Dublin, Kilkenny) Early to Mid-20thC: Quarries \bigcirc Brickfields Late 19th to Mid-20thC: Pits Late 19th to Mid-20thC: Quarries No Info Mid-Late 19thC: Pits Mid-19th to Mid-20thC: Quarry (Co. Kerry) **Pits and Quarries Areas** Mid-19thC: Pits Mid-19th to Early 20thC: Quarry (Co. Cork) Activity Period Planning Applications 2004-13: Quarries Mid-Late 19thC: Quarries Planning Applications 2004-13: Pits Documented 2003: Quarries (Cos. Meath, Wicklow) Mid-19thC: Quarries Documented 2003: Pits (Cos. Meath, Wicklow) Early 20th to Early 21stC: Quarry (Co. Kerry) Late 20thC: Pits (Cos. Wicklow, Wexford)

Granular Aggregate Potential

Very High potential High potential Moderate potential Low potential Very Low potential

Legend

N

- Red Line Boundary
- **Crushed Rock Aggregate**

Potential

- Very High potential
- High potential
- Moderate potential
- Low potential
- Very Low potential

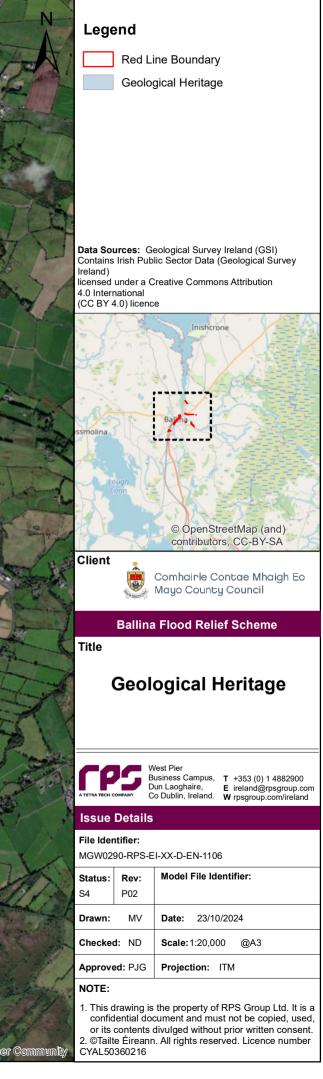
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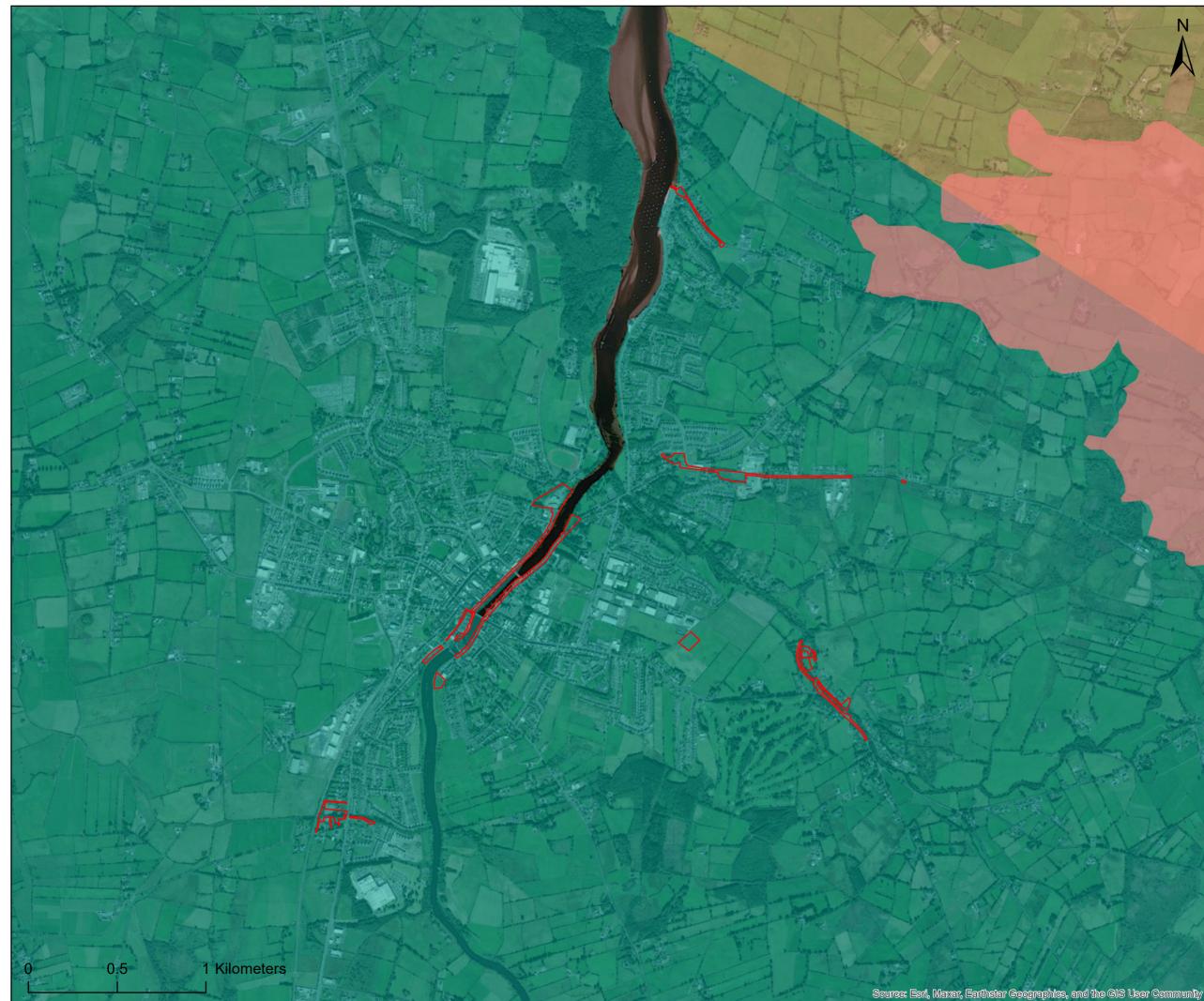


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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, GSI, Lally, GS











Lg Gravel Aquifer

RK - Regionally Important Aquifer -Karstified

LI - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones

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Comhairle Contae Mhaigh Eo Mayo County Council

Ballina Flood Relief Scheme

Title

Aquifer Classification



West Pier Business Campus, Dun Laoghaire, Co Dublin, Ireland. T +353 (0) 1 4882900 E ireland@rpsgroup.com/ W rpsgroup.com/ireland

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NOTE		



