

Legend

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|--------------------------------------------|-----------------------------------------|
| Planning Application Boundary | Ayle River Formation (AR) |
| County Boundary | Cappagh White Sandstone Formation (CA) |
| Water Treatment Plant | Cadamstown Formation (CW) |
| Raw Water Intake and Pumping Station | Keeper Hill Formation (KH) |
| Break Pressure Tank | Scalpnaagow Formation (SG) |
| GSI Bedrock 2018 | Maghera Cornstone Member (SGmc) |
| Ballysteen Formation (BA) | in Broadford Formation (gw) |
| Ballynash Member (BAbn) | Syenite (Sy) |
| Ballycar Formation (BC) | Trachyte (T) |
| Ballymartin Formation (BM) | Basalt (B) |
| Borrisokane Formation (BK) | Chert (ch) |
| Burren Formation (BU) | in Cornagoe Formation (pg) |
| Hawkhill Member (BUhh) | Oolitic limestone (oo) |
| Maumcha Member (BUmc) | Volcanics (mv) |
| Lough Gur Formation (LR) | Volcaniclastic Rocks (V) |
| Lisaline Micrite Formation (LM) | Gortnagleav Formation (GV) |
| Lower Limestone Shale (LLS) | Caher Hill Formation (CH) |
| Lucan Formation (LU) | Ballymalone Formation (BO) |
| Mellon House Formation (MH) | Fairy Hill Conglomerate Formation (FC) |
| Oldcourt Cherty Limestone Formation (OC) | Knockshigowna Formation (KG) |
| Rathkeale Formation (RK) | Cornagoe Formation (CE) |
| Ringmoyle Formation (RM) | Broadford Formation (BF) |
| Slevoir Formation (SV) | Broadford Formation & conglom & coa |
| Aylecotton Member (SLay) | in Broadford Formation (mk) |
| Cullaun Member (SLcu) | Hollyford Formation (HF) |
| Turret Volcanic Member (SLtu) | Slieve Bernagh Formation (SB) |
| Terryglass Formation (TS) | Slieve Bernagh Formation & conglom (cg) |
| Tubber Formation (TU) | in Slieve Bernagh Formation (gw) |
| Cregmahon Member (TUcm) | Cratloe Formation (CR) |
| Castlequarner Member (TUcu) | Ballycar South Member (CRbs) |
| Fiddaun Member (TUfd) | Glennagross Member (CRgc) |
| Newtown Member (TUNT) | Derryfadda Formation (DF) |
| Visean Limestones (undifferentiated) (VIS) | Kilanena Formation |
| Waulsortian Limestones (WA) | |
| Old Red Sandstone (undifferentiated) (ORS) | |
| Lacka Sandstone Formation (LA) | |

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| F02 | 03/11/25 | Final - Planning Application | PG | PG | SC | SW |
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Client:

Project: Water Supply Project Eastern and Midlands Region

Drawing Title: Figure 10.9 Geology Sheet 1 of 4

Drawing Status: Final - Planning Application

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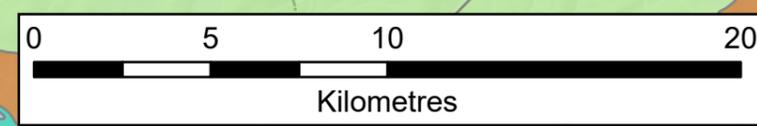
Jacobs No. 32105801

Client No. 9318

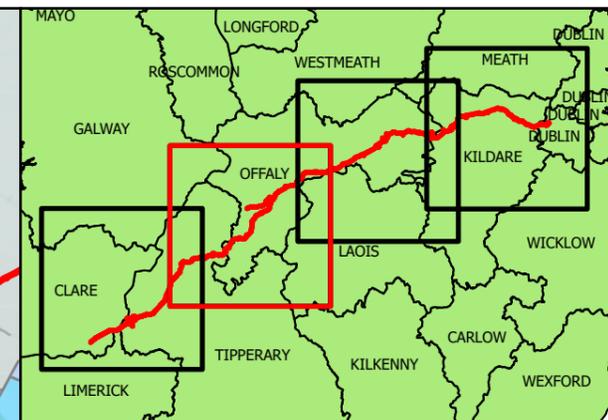
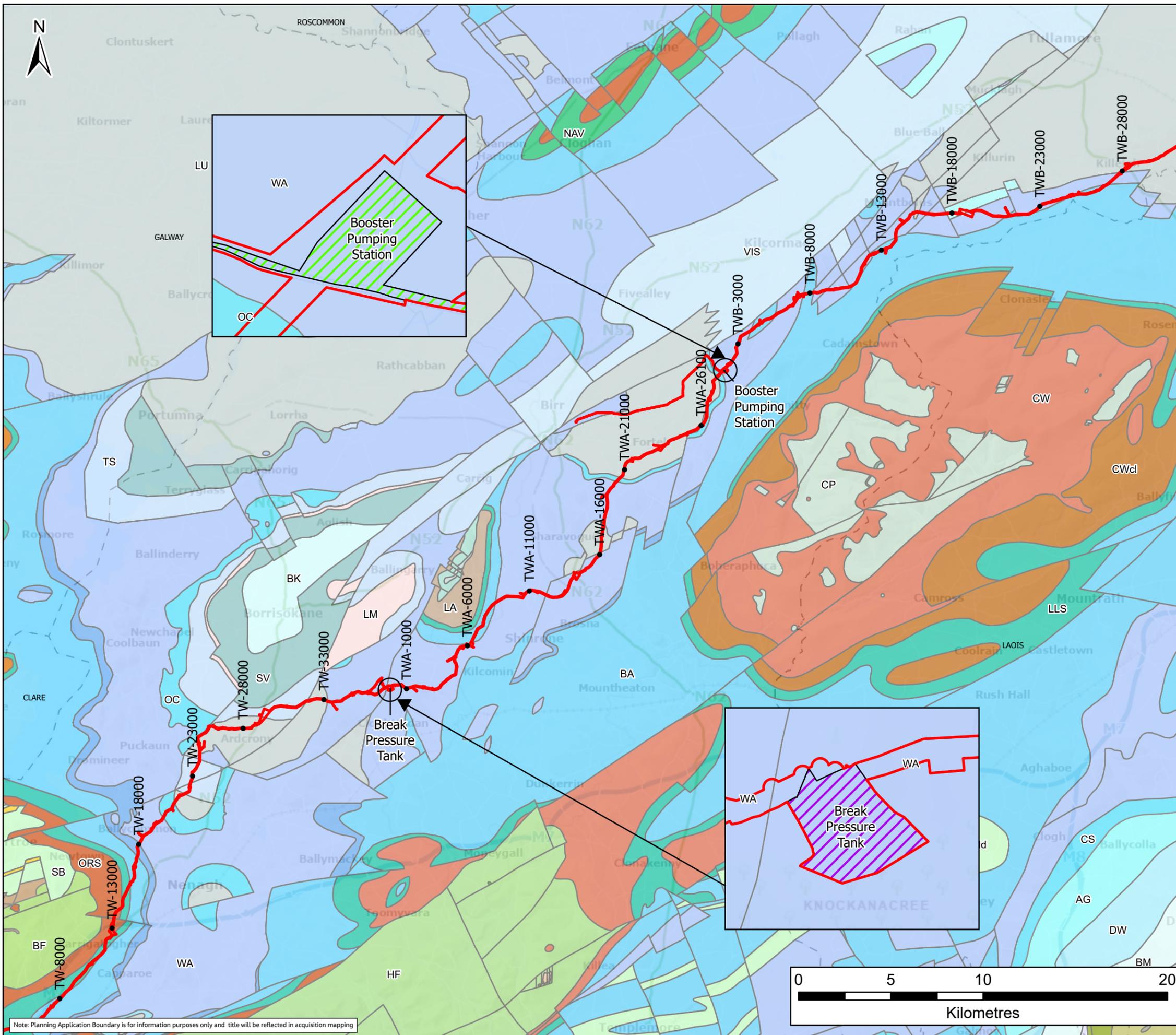
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Note: Planning Application Boundary is for information purposes only and title will be reflected in acquisition mapping



Legend

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|--------------------------------------------|--------------------------------------------|
| Planning Application Boundary | Waulsortian Limestones (WA) |
| County Boundary | in Waulsortian Limestones (do) |
| Booster Pumping Station | Bregaun Flagstone Formation (BE) |
| Break Pressure Tank | Killeslin Siltstone Formation (KN) |
| GSI Bedrock 2018 | Moyadd Coal Formation (MC) |
| Aghmacart Formation (AG) | Old Red Sandstone (undifferentiated) (ORS) |
| Allenwood Formation (AW) | Lacka Sandstone Formation (LA) |
| Ballyadams Formation (BM) | Ayle River Formation (AR) |
| Ballysteen Formation (BA) | Capard Formation (CP) |
| Lisduff Oolite Member (BALd) | Cadamstown Formation (CW) |
| Ballynash Member (BAbn) | Devilsbit Formation (DV) |
| Borrisokane Formation (BK) | Clonaslee Member (CWcl) |
| Clogrenan Formation (CL) | Glendossaua Member (CPgd) |
| Crosspatrick Formation (CS) | in Broadford Formation (gw) |
| Durrow Formation (DW) | Volcanics (mv) |
| Lough Gur Formation (LR) | Fairy Hill Conglomerate Formation (FC) |
| Lismaline Micrite Formation (LM) | Knockshigowna Formation (KG) |
| Lower Limestone Shale (LLS) | Broadford Formation (BF) |
| Lucan Formation (LU) | in Broadford Formation (mk) |
| Navan Beds (NAV) | Hollyford Formation (HF) |
| Oldcourt Cherty Limestone Formation (OC) | Slieve Bernagh Formation (SB) |
| Stevoir Formation (SV) | Slieve Bernagh Formation & conglom (cg) |
| Terryglass Formation (TS) | |
| Visean Limestones (undifferentiated) (VIS) | |

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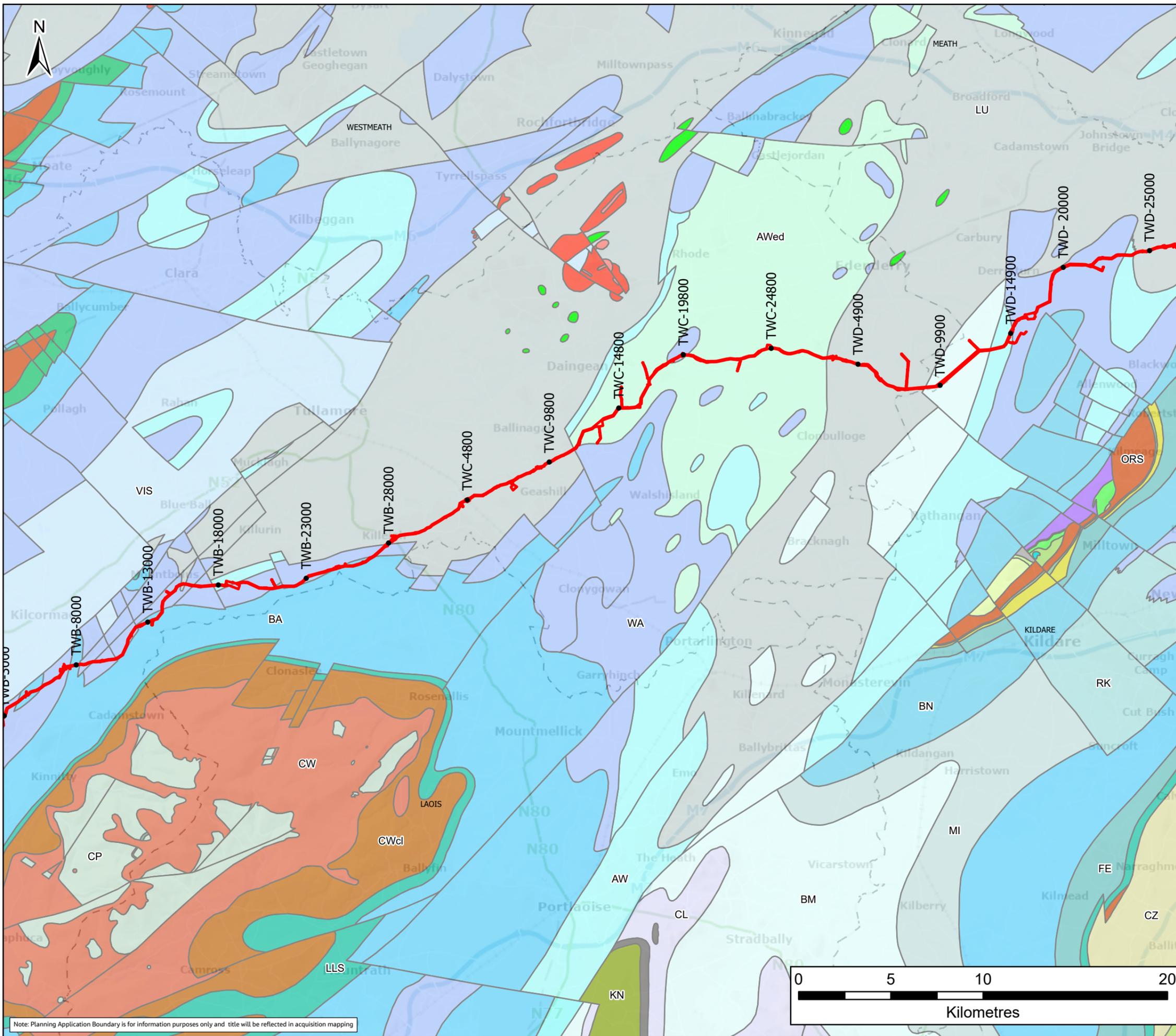
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Drawing Title: Figure 10.10 Geology Sheet 2 of 4

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| Client No. | 9318 | |
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Legend

| | |
|--------------------------------------------|--------------------------------------------|
| Planning Application Boundary | Killeshin Siltstone Formation (KN) |
| County Boundary | Luggacurren Shale Formation (LS) |
| GSI Bedrock 2018 | Old Red Sandstone (undifferentiated) (ORS) |
| Aghmacart Formation (AG) | Capard Formation (CP) |
| Allenwood Formation (AW) | Cadamstown Formation (CW) |
| Ballyadams Formation (BM) | Clonaslee Member (CWcl) |
| Ballysteen Formation (BA) | Glendossaun Member (CPgd) |
| Boston Hill Formation (BN) | Agglomerate (Va) |
| Cloghan Sandstone Formation (CO) | Basalt (B) |
| Clogrenan Formation (CL) | Volcanics (mv) |
| Edenderry Oolite Member (AWed) | Grange Cottage Formation (GE) |
| Feighcullen Formation (FE) | Kildare Limestone Formation (KL) |
| Ferbane Mudstone Formation (FB) | Allen Andesite Formation (AA) |
| Lower Limestone Shale (LLS) | Grange Hill Formation (GH) |
| Lucan Formation (LU) | Conlanstown Formation (CN) |
| Milford Formation (MT) | Carrighill Formation (CZ) |
| Navan Beds (NAV) | Dunmurry Formation (DY) |
| Quinagh Formation (QU) | Glen Ding Formation (GD) |
| Rickardstown Formation (RK) | Guidenstown Formation (GN) |
| Tober Colleen Formation (TC) | Rahilla Formation (RH) |
| Visean Limestones (undifferentiated) (VIS) | Tipperkevin Formation (TK) |
| Waulsortian Limestones (WA) | |

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Client: **Uisce Éireann** Irish Water and **Tionscadal Soláthair Uisce** Water Supply Project

Project: **Water Supply Project Eastern and Midlands Region**

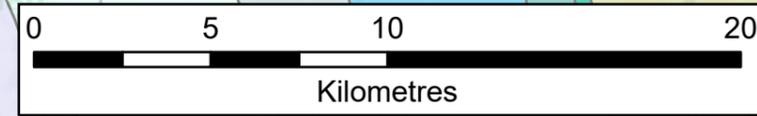
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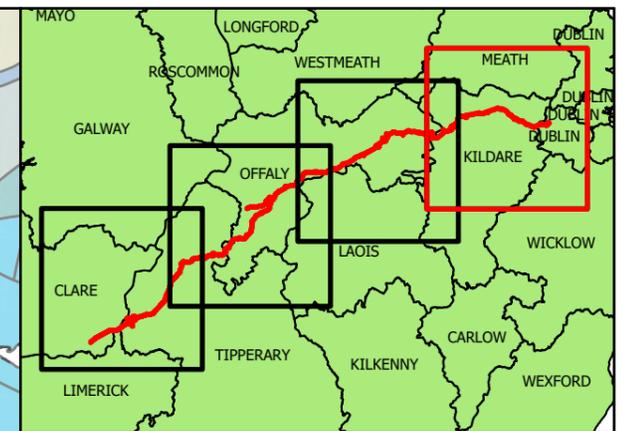
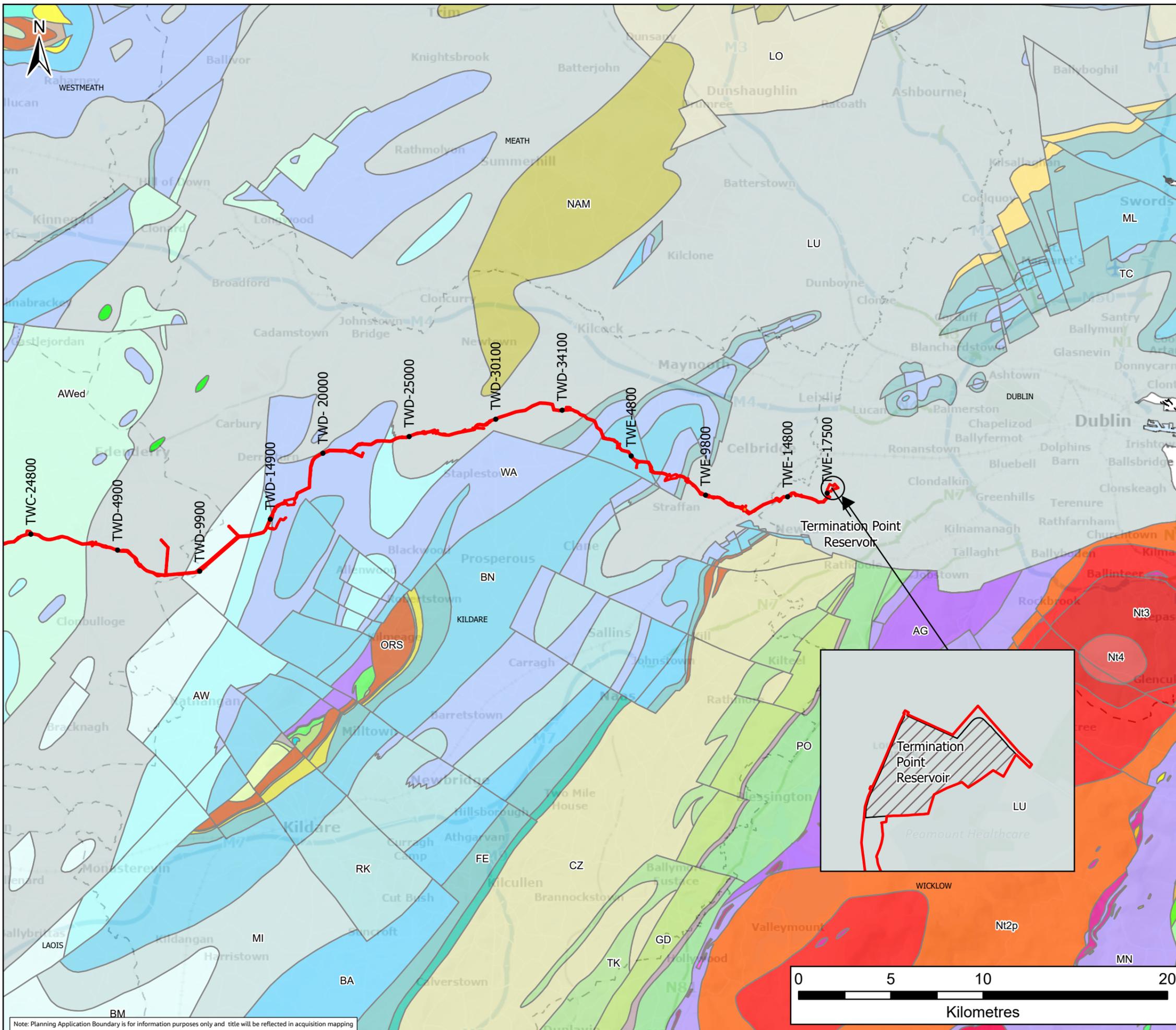
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Legend

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|--------------------------------------------|------------------------------------------|
| Planning Application Boundary | Glendalough Adamellite (LqGd) |
| County Boundary | Type 1 granodiorite (Nt1) |
| Termination Point Reservoir | Type 3 muscovite porphyritic (Nt3) |
| Flow Control Valve | Type 4 muscovite/microcline porphy (Nt4) |
| Liscarton Formation (LC) | Type 2e equigranular (Nt2e) |
| Meath Formation (ME) | Type 2p microcline porphyritic (Nt2p) |
| Moathill Formation (MH) | Lower Palaeozoic rocks (LP) |
| Bray Head Formation (BR) | Aplite (apl) |
| Devils Glen Formation (DG) | Dolerite (Do) |
| Allenwood Formation (AW) | Volcanics (mv) |
| Ballyadams Formation (BM) | Aghfarrell Formation (AG) |
| Ballysteen Formation (BA) | Dowry Hill Member (AGdh) |
| Boston Hill Formation (BN) | Butter Mountain Formation (BZ) |
| Cloghan Sandstone Formation (CO) | In Butter Mountain Formation (mv) |
| Edenderry Oolite Member (AWed) | Grange Cottage Formation (GE) |
| Feighcullen Formation (FE) | Kildare Limestone Formation (KL) |
| Fernbane Mudstone Formation (FB) | Allen Andesite Formation (AA) |
| Loughshinny Formation (LO) | Grange Hill Formation (GH) |
| Lucan Formation (LU) | Glencullen River Formation (GL) |
| Malahide Formation (ML) | Maulin Formation (MN) |
| Milford Formation (MT) | Knockree Member (MNkr) |
| Naul Formation (NA) | Roundwood Member (MNrw) |
| Quinagh Formation (QU) | In Maulin Formation (mv) |
| Rickardstown Formation (RK) | Conlanstown Formation (CN) |
| Rush Conglomerate Formation (RU) | Carrighill Formation (CZ) |
| Tober Colleen Formation (TC) | Dunmurry Formation (DY) |
| Waulsortian Limestones (WA) | Glen Ding Formation (GD) |
| Balrickard Formation (BC) | Guidenstown Formation (GN) |
| Donore Formation (DR) | Pollaphuca Formation (PO) |
| Namurian (undifferentiated) (NAM) | Rahilla Formation (RH) |
| Walshestown Formation (WL) | Slate Quarries Formation (SQ) |
| Old Red Sandstone (undifferentiated) (ORS) | Tipperkevin Formation (TK) |

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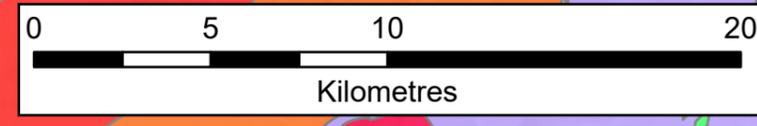
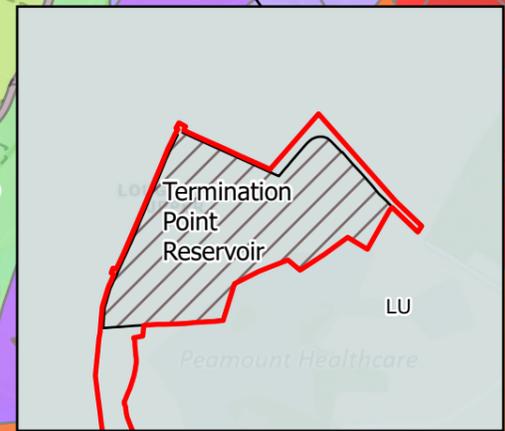
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Drawing Title: Figure 10.12 Geology Sheet 4 of 4

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