

**Visual Inspection Record
On
Trial Holes
At
Tom Ruane Park, Ballina, Co Mayo
For
Sensory Park Project**

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On behalf of
Mayo County Council
Ballina Municipal District

28th May 2021

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1.0 Introduction

Following instructions from Mayo County Council, I carried out a visual inspection of 6No trials in Tom Ruane Park, Ballina, County Mayo for proposed development of Sensory Park. The findings itemised in this report are for guidance only and cannot accept liability for changes in conditions that were not revealed from this inspection which was carried out in dry/warm weather conditions on the 14th of May 2021.

2.0 Site Location & Geology

The site is located circa 1 km from the centre of Ballina town along the busy N59, Sligo road, and has extensive frontage onto the tidal stretch of the River Moy. ITM co-ordinates 819376N, 525207E to approx. centre point of proposed development. Details sourced from the Geological Survey of Ireland indicates that the bedrock at this location is dark grey limestone and thin shale with alluvium quarternary sediment.

The site history, indicates usage as a landfill deposit over several decades for the greater Ballina area, and was subsequently developed as a town park in more recent years with playground, tennis/basketball courts and riverside walks.

3.0 Site Inspections & Findings

The trial holes were excavated over circa a $\frac{3}{4}$ of an acre area towards the southern end of the park to depths as indicated in the report herewith, in order to establish and identify the underlying subsoils.

Trial Hole No 1

Depth 1200mm

Depth	Description	Colour	Density/compactness
0mm-150mm	Top Soil	Brown	Soft
150mm-700mm	Brown clay With waste fill	Brown	Loose
700mm-1200mm	Grey daub	Grey	Firm

Trial Hole No 2

Depth 1100mm

Depth	Description	Colour	Density/compactness
0mm-150mm	Top Soil	Brown	Soft
150mm-500mm	Brown clay With waste fill	Brown	Loose
500mm-1100mm	Dauby Clay With waste fill	Brown	Firm

Trial Hole No 3

Depth 1200mm

Depth	Description	Colour	Density/compactness
0mm-150mm	Top Soil	Brown	Soft
150mm-750mm	Brown clay With stone fill	Brown	Firm
750mm-1200mm	Dauby Clay	Brown	Firm

Trial Hole No 4

Depth 1200mm

Depth	Description	Colour	Density/compactness
0mm-150mm	Top Soil	Brown	Soft
150mm-700mm	Clay with stones	Brown	Firm
700mm-1200mm	Dauby Clay	Brown	Firm

Trial Hole No 5

Depth 1200mm

Depth	Description	Colour	Density/compactness
0mm-150mm	Top Soil	Brown	Soft
150mm-1000mm	Clay With waste fill	Brown	Loose
1000mm-1200mm	Dauby Clay	Brown	Firm

Trial Hole No 6

Depth 1000mm

Depth	Description	Colour	Density/compactness
0mm-150mm	Top Soil	Brown	Soft
150mm-800mm	Clay With waste fill	Brown	Loose
800mm-1000mm	Dauby Clay	Brown	Firm
Water ingress at 800mm depth			

4.0 Conclusions & Recommendations

Trial holes indicate an extensive vein of landfill material graded across site with covering blanket of good quality topsoil. Depths of landfill waste material was found to be consistent in trial holes with the exception of Trial Hole No 4 adjacent to car park where firm subsoil clays with stone mix was recorded.

No water table or moisture ingress was noted apart from Trial Hole No 6, which is closest to the tidal waters of the river Moy.

No testing of waste landfill material was recorded, however it was noted that there was no evidence of chemical or industrial waste. Material excavated appeared to be domestic type waste, but care must be exercised during construction to report on any hazardous materials that could cause harm to human health.

All works to be carried out in accordance with the Environmental Protection Agency guidelines for working on contaminated land. "[Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites](#)"

5.0 Photographic Record



Trial Hole No 1 – Clay/Waste material mix to 850mm below surface



Trial Hole No 1 – 1200mm depth to bearing ground



Trial Hole No 2 –1100mm depth



Trial Hole No 2 – Clay/Waste material mix to 750mm below surface



Trial Hole No 3 – 1200mm to bearing ground



Trial Hole No 3 – Clay/Waste material mix to 750mm below surface



Trial Hole No 4 – 1200mm to bearing ground



Trial Hole No 4 – Clay/Waste material mix to 700mm below surface



Trial Hole No 5 – 1200mm depth to bearing ground



Trial Hole No 5 – Clay/Waste material mix to 1000mm below surface



Trial Hole No 6 – 1000mm depth



Trial Hole No 6 – Water table at 800mm below surface

Land Registry Compliant Map

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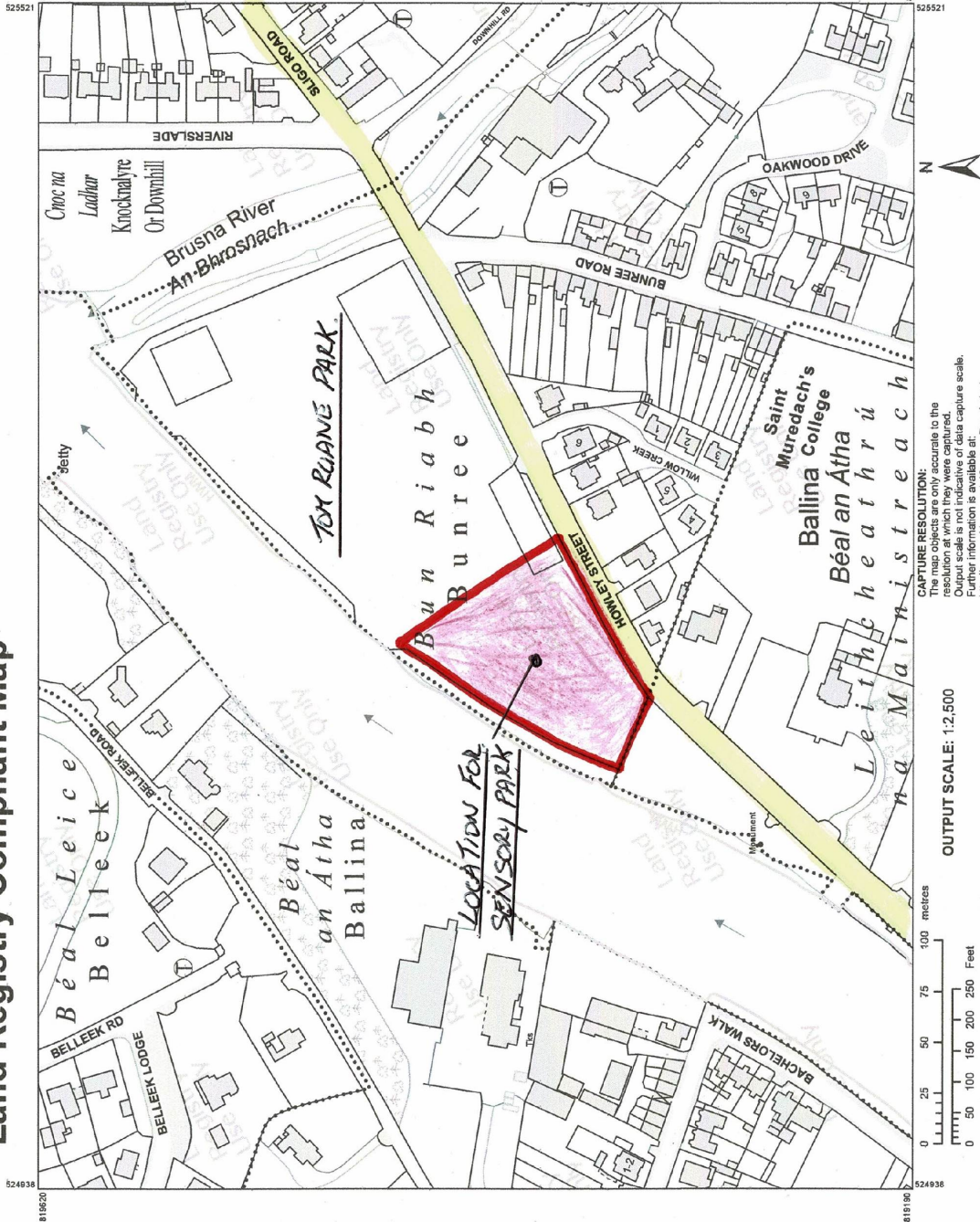
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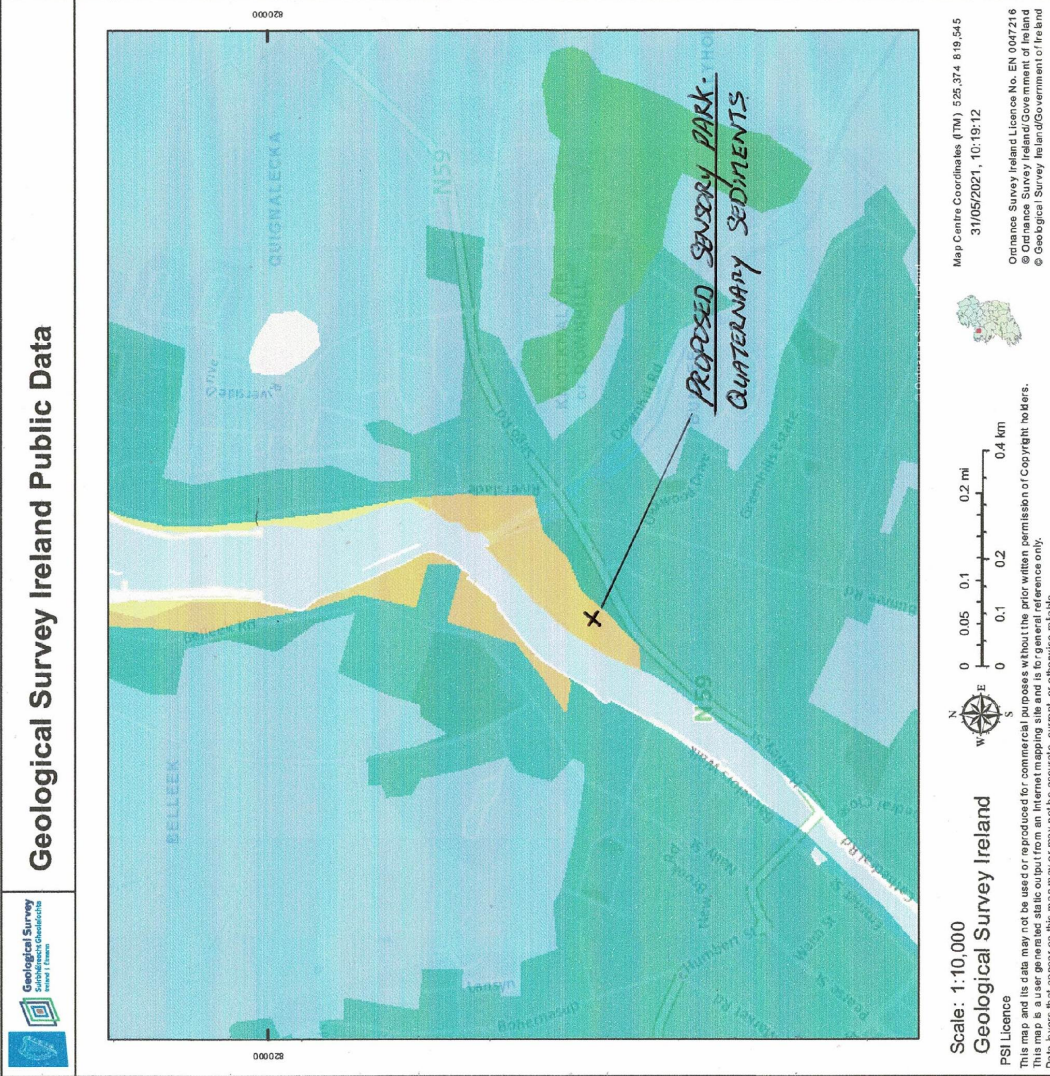


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6.1 Site Location Map

Legend



6.2 GSI Data map