

EXPLANATION

	MADE GROUND
	ALLUVIUM (UNDIFFERENTIATED)
	SAND AND GRAVEL
	SILT
	CLAY
	TILL (BOULDER CLAY)
	BEDROCK (UNDIFFERENTIATED)



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client details:

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project title:

SITE A, GLASGOW BUSINESS PARK
GLASGOW

drawing title:

EXTRACT FROM PUBLISHED
GEOLOGICAL SURVEY MAP
(DRIFT LITHOLOGY)

project no:
P17/478

drawing no:
P17/478/CMRA/R/F/03

revision:

date:
16.04.21

drawn by:
RC

approved by:
PB

scale:
1:10,560

LMCMS

Lower and Middle Coal Measures: sandstones, siltstones and mudstones with seams of coal and fireclay; 240m

PGP

Passage Group: mainly sandstones, with seams of fire and thin mudstones, limestones and coals; 110m thick

ULGS

Upper Limestone Group: sandstones with subordinate and mudstones, and thin limestones and coals; 260m

DOL

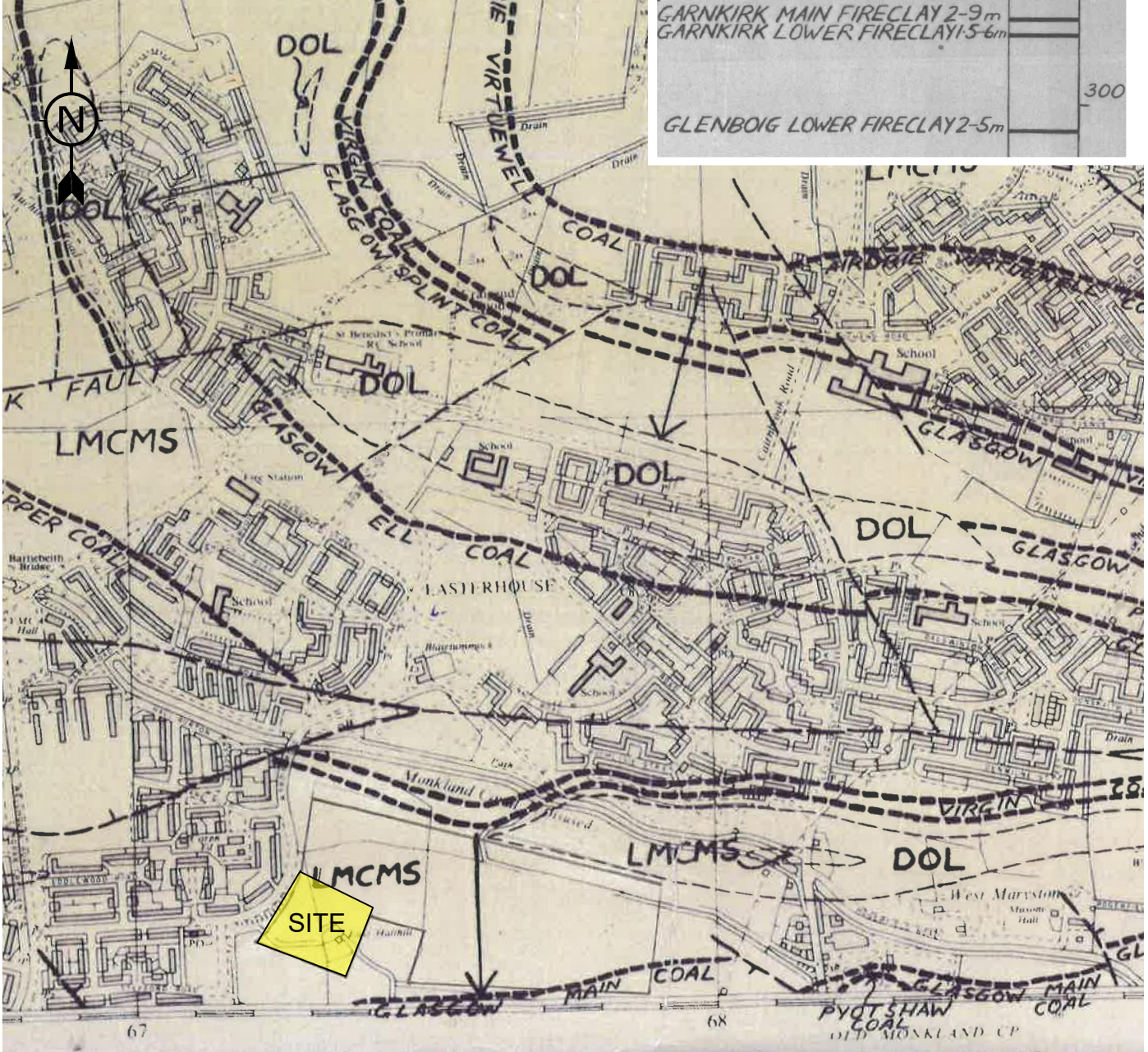
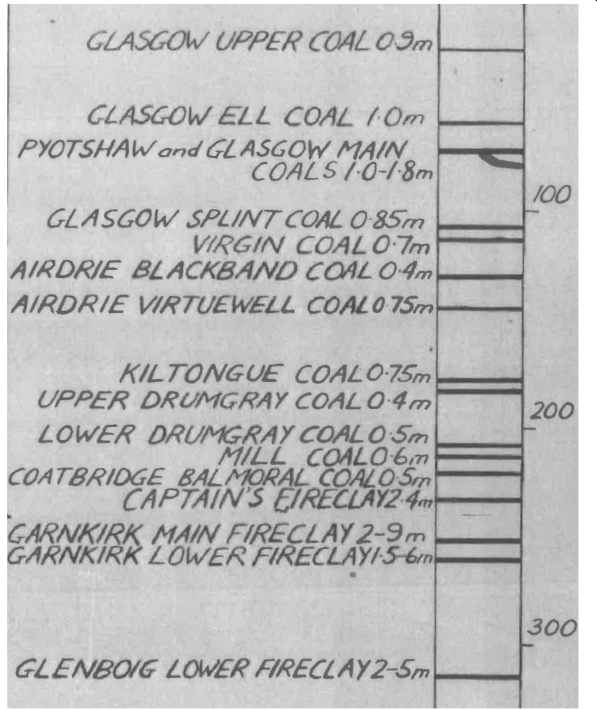
Dolerite and basalt sills up to 30m thick

Geological boundary

Coal outcrop

Fault, crossmark on downthrow side

General direction of dip



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SITE A, GLASGOW BUSINESS PARK				EXTRACT FROM PUBLISHED				
GLASGOW				GEOLOGICAL SURVEY MAP				
				(SOLID GEOLOGY)				
project no:	drawing no:	revision:	date:	drawn by:	approved by:	scale:		
P17/478	P17/478/CMRA/R/F/05		16.04.21	RC	PB	1:10,560		

- 4.3.3 The BGS Mining Information Map confirms that the site lies within an area of known mining in more than one seam (Drawing No. P17/478/CMRA/R/F/06).
- 4.3.4 Additionally, the Geological Survey Map indicating areas of known shallow mining (Drawing No. P17/478/SI/R/F/07) recorded mining within 30 m of rockhead at the level of the Virgin Coal below the site.
- 4.3.5 A review of the available mine abandonment plans (Appendix C) recorded mine workings at the level of the Virgin Coal below the site.
- 4.3.6 The Coal Authority report indicated the Virgin Coal to exist at shallowest depths of 28 m below the site. A historical borehole (NS66NE218) to the north-east of the site (just south of M8 motorway) recorded the Glasgow Splint Coal at 13.8 m and the Virgin Coal at 18.2 m bgl (approximately 4.5 m of separation). Based on our knowledge of the Virgin Coal existing at shallowest depths of 28 m bgl, we conjecture the Glasgow Splint Coal to underlie the site at shallowest depths of approximately 23 m bgl.
- 4.3.7 Given the igneous intrusion that was recorded to the immediate east of the site, it is possible that this would have burnt any shallow economic coal seams (particularly within the Glasgow Splint Coal).
- 4.3.8 It should be noted that previous mineral investigations were undertaken within the site and the immediate surrounding area and no shallow mine workings were encountered.
- 4.3.9 In terms of mine gas emissions, The Coal Authority report notes it has 'no record of mine gas emissions requiring action'. However, any unrecorded mine workings present within the area could potentially contribute to mine gas.
- 4.3.10 The Coal Authority Report did not record any mine entries within the site area or in adjacent areas. There is the potential for unrecorded mine entries to exist as with all areas of previous underground mining.
- 4.3.11 To conclude, the Virgin Coal underlies the site at shallowest depths of approximately 28 m bgl which is known to have been previously worked. Additionally, the Glasgow Splint Coal underlies the site at even shallower depths (from approximately 23 m bgl) though there are no records of this coal having been worked below the site.