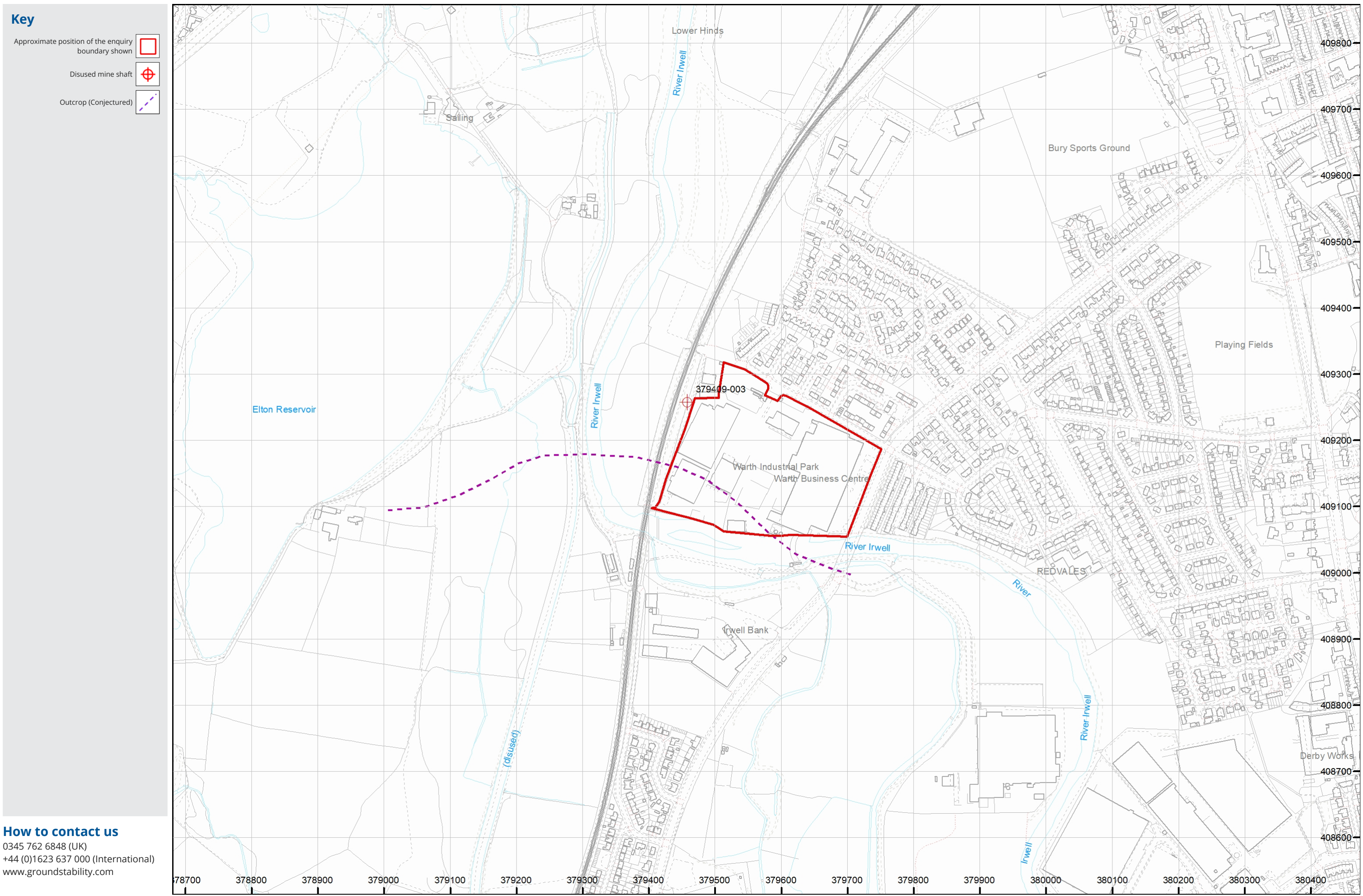


The map highlights any specific surface or subsurface features within or near to the boundary of the site.



Appendix C – BGS Borehole Data

RECORD OF WELL (SHAFT OR BORE)

SD⁵²70 NE⁸⁵19

At BANK TOP PIT NO.1. BOREHOLE

Town or Village Radcliffe County Lancs. Six-inch quarter sheet 87 SE

Exact site _____ (A rough sketch-map or a tracing from a map is very desirable)

Level of ground surface above sea-level (O.D.) _____ ft. If well starts below ground surface, state how far _____ ft.

Shaft _____ ft., diameter _____ ft. Bore _____ ft. Diameter of bore : at top _____ ins. ; at bottom _____ ins.

Details of permanent lining tubes (internal diameters preferred) _____

Water struck at depths of (feet) _____

Rest-level of water _____ below top of well _____ feet. Suction at _____ feet. Yield on _____ hours' test

_____ gallons per _____ (with pump of capacity _____ g.p.h.); depressing water level to _____ feet

below top. Time of recovery _____ hrs. Amount normally pumped daily _____ g.p.h. for _____ hours.

Quality (attach copy of analysis if available) _____

Sunk by _____ for Mr. _____ Date of well _____

Information from _____

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS		DEPTH	
		Feet.	Inches.	Feet.	Inches.
	Sand or gravel	63	-		
	White Earth	24	-		
	Warrant	5	-		
	Rocky Flue	27	-		
	Warrant	6	-		
	Metal or White Earth	9	-		
	COAL		5		
	Binn		2		
	COAL		5		
	Binn		4		
	COAL		10		
	Warrant	8	7		
	COAL	1	3		
	Binn		4		
	COAL		7		
	Warrant	5	8		
	Grey Flue	10	10		
	Rock	4	2		
	Flaggy Rock	3	-		
	Dark Grey Rock		4		
	Red Flue	5	-		
	Dark Flaggy Rock	1	-		
	Brown Rock	2	3		
	Red Flue Burr	1	6		
	Brown Rock	4	6		
	Red Flue	2	-		
	Brown Rock	1	3		
	Red Flue	1	-		
	Flaggy Rock	3	9		
	Brown Rock	2	3		
	Flaggy Rock	1	8		
	Red Flue and band of Rock	10	-		
	Red Metal or Burr	1	9		
	Brown Rock	4	3		
	Grey Rock	4	6		
	Red Rock Bands	6	-		
	Brown Rock	1	6		
	Grey Rock	4	-		
	Rock and Burr	27	-		
	Rock Bands	4	3		
	Red Rock Bands	3	-		
	Metal	2	-		
	Black Bass	1	-		

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

For Survey use only

Date
receivedG.S.M. Office
File No.Site marked
on 1" map
(use symbol)(*11815) Wt.29051/0.369 10,000 9/89
A.& E.W.Ltd. Gp.686

 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL					Site Warth Road, Bury		Number DCS2		
Excavation Method Drive-in Window Sampler		Dimensions		Ground Level (mOD) 72.27		Client Celtic Technologies Ltd		Job Number P4425	
Location 379513.44 E 409341.33 N		Dates 06/03/2007		Engineer		Sheet 1/1			
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
0.40-0.40	D01			72.27	(0.15)	MADE GROUND : Weak concrete.			
0.40-0.40	D01			71.67	(0.05)	MADE GROUND : Brick fragments.			
0.70-0.70	D02			71.42	(0.20)	From 0.30m to 0.60m bgl. slight hydrocarbon odour.			
0.90-0.90	D03			71.27	(0.40)	MADE GROUND : Brown and dark brown gravelly medium to coarse SAND. Gravel is subangular fine to medium clinker, ceramic, slag, brick and quartzite.			
1.00-1.45	SPT N=4		1,1/1,1,1,1		(0.25)				
1.00-1.00	D04				0.85	MADE GROUND : Dark brown organic sandy slightly gravelly CLAY/SILT with frequent pseudo-fibrous plant remains. Gravel is subangular fine quartz.			
1.40-1.40	D02		Strike at 1.20m bgl.(1) at 1.20m, no rise after 20 mins.		(0.15)				
1.40-1.40	D05				1.00	MADE GROUND : Brown gravelly medium to coarse SAND. Gravel is subangular clinker.			
1.80-1.80	D03				(1.00)				
1.80-1.80	D06			70.27	2.00	Soft to firm green-brown becoming light brown slightly organic sandy CLAY with occasional pseudo-fibrous plant remains and rare subrounded fine quartzite gravel. (ALLUVIUM)			
2.00-2.45	SPT N=47		4,6/10,12,12,13		(0.45)				
2.00-2.00	D07			69.82	2.45	Dense light brown gravelly fine to medium SAND. Gravel is subrounded fine sandstone, mudstone and quartzite. (RIVER TERRACE DEPOSITS)			
						Complete at 2.45m			
Remarks 1. Water strike at 1.20m bgl. 2. 19mm diameter standpipe installed to 2.00m bgl. Plain pipe with bentonite seal from ground level to 1.00m bgl. Slotted pipe with gravel from 1.00m to 2.00m bgl. Arisings from 2.00m to 2.45m bgl. Bung gas valve and chinese cover fitted. 3. '?' denotes standpipes utilised for gas and groundwater monitoring.									
Scale (approx) 1:50								Logged By ANT/KT	
Figure No.									

Appendix D – Historical Mapping

Appendix E – Policy for Building Over or Within the Influencing Distance of a Mine Entry



**The Coal
Authority**

Policy For Building Over Or Within The Influencing Distance Of A Mine Entry

Building over or within the influencing distance of a mine entry (shaft or adit) can be dangerous and has the potential for significant risks to both the development and the occupiers if not undertaken appropriately.

The Coal Authority own the majority of the coal mine entries in Britain and has adopted the following policy position for landowners and/or developers when considering building over or within the influencing distance of a mine entry.

1. Building over or within the influencing distance of a mine entry raises significant safety and engineering risks and exposes all parties to potential financial liabilities and as a general precautionary principle, should wherever possible be avoided
2. Building over or within the influencing distance of a mine entry will only be permissible when:
 - Expertise advice allows a suitable engineering design to be developed and agreed to take account of all the relevant safety and environmental risk factors including gas and mine-water.
 - The Coal Authority will not be responsible for financial or maintenance liabilities associated with the design and implementation of the works.
 - Appropriate engineering precautions are taken to safeguard the safety of the public and any structure during and following the completion of the works.
 - Approval for the works is obtained from The Coal Authority Permissions Service which will also monitor the implementation of the works to ensure public safety.
3. The position and recorded treatment details for the mine entry will be revealed in any future coal mining report produced for prospective purchasers of the property. Consequently it is necessary for the landowner and/or developer to undertake any work precisely in accordance with the agreed scheme and provide detailed information to The Coal Authority for inclusion within its records for future reference and disclosure.
4. Where any damages result as a consequence of failing to comply with this policy the Coal Authority will seek to recover any costs incurred.

Policy Approved by: S Reed, Director of Operations, January 2012

Appendix F - References

- ¹ The Coal Authority, 2017, "Risk based approach to development management. Guidance for developers.", Version 4.
- ² The Coal Authority, 2023, Interactive Map Viewer, <https://mapapps2.bgs.ac.uk/coalauthority/home.html>.
- ³ The Coal Authority, March 2015, "Coal seams with a history of spontaneous combustion", <https://www.gov.uk/government/publications/coal-seams-with-a-history-of-spontaneous-combustion>.
- ⁴ British Geological Society, GeoIndex Onshore, <https://mapapps2.bgs.ac.uk/geoindex/home.html>.
- ⁷ CIRIA, September 2019, "Abandoned Mine Workings Manual", C758D.
- ⁸ CIRIA, December 2007, "Assessing risks posed by hazardous ground gases to buildings", C665.
- ⁹ CL:AIRE, October 2021, "Good Practice for Risk Assessment for Coal Mine Gas Emissions".
- ¹⁰ CIRIA, September 2019, "Abandoned Mine Workings Manual", C758D.
- ¹¹ The Coal Authority, August 2021, "Get a permit to deal with coal or coal mines", <https://www.gov.uk/guidance/get-a-permit-to-deal-with-coal-or-coal-mines>.
- ¹² The Coal Authority, January 2012, "Policy for Building Over or Within the Influencing Distance of a Mine Entry".

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