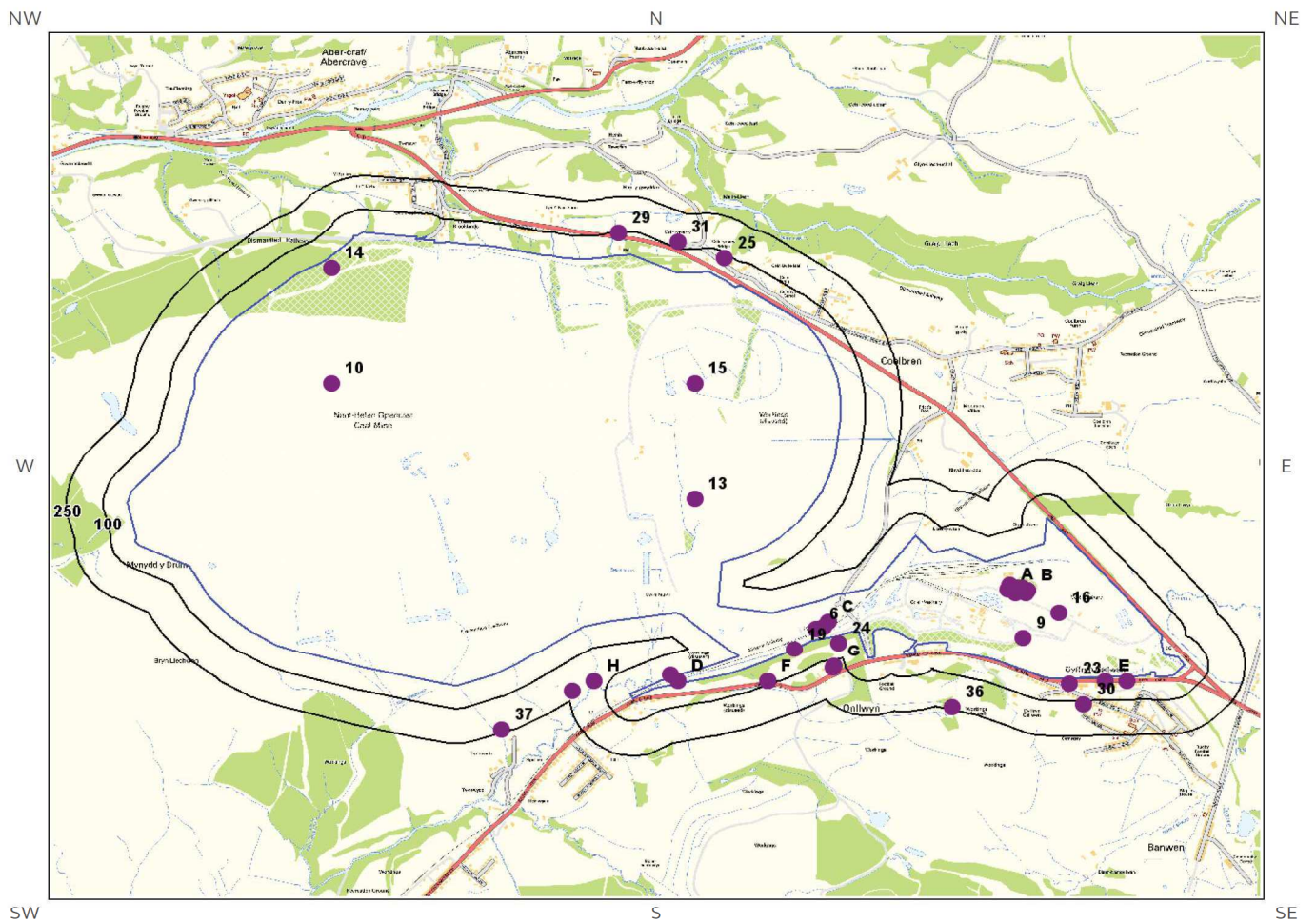
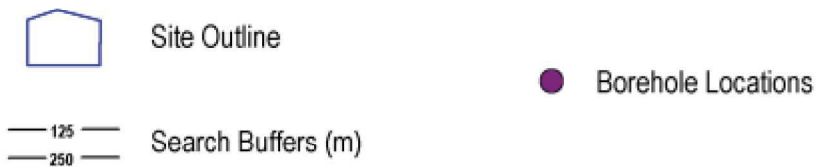


# 7 Borehole Records map



**Borehole Records Legend**

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# 7 Borehole Records

The systematic analysis of data extracted from the BGS Borehole Records database provides the following information.

Records of boreholes within 250m of the study site boundary:

37

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
1D	0.0	On Site	283430 210200	SN81SW11	15.85	YSTRADGYNLAIS- ONLLWYN ROAD 41
2C	0.0	On Site	284050 210460	SN81SW39	1.5	NANT HELEN O C C S TP3
3B	0.0	On Site	284869 210600	SN81SW35	22	ONLLWYN 7
4A	0.0	On Site	284787 210602	SN81SW30	30	ONLLWYN 2
5A	0.0	On Site	284813 210603	SN81SW32	24	ONLLWYN 4
6	0.0	On Site	284000 210430	SN81SW37	1.9	NANT HELEN O C C S TP1
7A	0.0	On Site	284795 210621	SN81SW29	25.55	ONLLWYN 1
8B	0.0	On Site	284824 210610	SN81SW33	24	ONLLWYN 5
9	0.0	On Site	284850 210390	SN81SW19	45.11	ONLLWYN TIP. ON10
10	0.0	On Site	282000 211500	SN81SW2	Not Available	ABERCRAVE, 579
11C	0.0	On Site	284030 210440	SN81SW38	2	NANT HELEN O C C S TP2
12B	0.0	On Site	284862 210586	SN81SW36	23	ONLLWYN 8
13	0.0	On Site	283500 211000	SN81SW1	Not Available	ONLLWYN, O/C SITE. 070402
14	0.0	On Site	282000 212000	SN81SW28	Not Available	ABERCRAVE & INTERNATIONAL COLLIERY
15	0.0	On Site	283500 211500	SN81SW5	Not Available	CEFN BYRLE, 880
16	0.0	On Site	285000 210500	SN81SE1	Not Available	LLWYND PCA, 547
17A	0.0	On Site	284845 210609	SN81SW34	24	ONLLWYN 6
18A	0.0	On Site	284818 210585	SN81SW31	24	ONLLWYN 3
19	2.0	SE	283910 210340	SN81SW20	24.38	ONLLWYN TIP. ON11
20D	10.0	N	283400 210230	SN81SW10	14.63	YSTRADGYNLAIS- ONLLWYN ROAD 40
21E	21.0	S	285190 210200	SN81SE5	4	DYFFRYN CELLWEN NEATH L2
22E	23.0	S	285280 210200	SN81SE6	4	DYFFRYN CELLWEN NEATH L3

ID	Distance (m)	Direction	NGR	BGS Reference	Drilled Length	Borehole Name
23	27.0	S	285040 210190	SN81SE4	5	DYFFRYN CELLWEN NEATH L1
24	31.0	S	284090 210370	SN81SW17	23.16	ONLLWYN TIP. ON7
25	78.0	NE	283620 212040	SN81SW42	Not Available	COELBEREN SEWER RELIEF TP 3
26F	86.0	S	283800 210200	SN81SW43	Not Available	DRYM PIT ONLLWYN
27F	86.0	S	283800 210200	SN81SW46	Not Available	DRYM TRIAL PIT ONLLWYN
28F	86.0	S	283800 210200	SN81SW47	Not Available	CROSS MEASURE DRIFT, ONLLWYN NO.1 COLLIERY
29	93.0	N	283180 212150	SN81SW40	Not Available	COELBEREN SEWER RELIEF TP 1
30	119.0	S	285100 210100	SN81SE2	Not Available	CELLWN, 404
31	121.0	N	283430 212110	SN81SW41	Not Available	COELBEREN SEWER RELIEF TP 2
32G	129.0	S	284073 210268	SN81SW12	24.38	ONLLWYN TIP. ON1
33G	137.0	S	284070 210260	SN81SW13	9.14	ONLLWYN TIP. ON1A
34H	157.0	W	283080 210200	SN81SW9	7.62	YSTRADGYNLAIS- ONLLWYN ROAD 39
35H	218.0	SE	282990 210160	SN81SW8	7.62	YSTRADGYNLAIS- ONLLWYN ROAD 38
36	239.0	S	284560 210090	SN81SW16	15.54	ONLLWYN TIP. ON4
37	240.0	S	282700 209990	SN80NW29	7.77	YSTRADGYNLAIS- ONLLWYN RD 37

The borehole records are available using the hyperlinks below: Please note that if the donor of the borehole record has requested the information be held as commercial-in-confidence, the additional data will be held separately by the BGS and a formal request must be made for its release.

#1D: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258497](https://scans.bgs.ac.uk/sobi_scans/boreholes/258497)  
#2C: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258525](https://scans.bgs.ac.uk/sobi_scans/boreholes/258525)  
#3B: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258521](https://scans.bgs.ac.uk/sobi_scans/boreholes/258521)  
#4A: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258516](https://scans.bgs.ac.uk/sobi_scans/boreholes/258516)  
#5A: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258518](https://scans.bgs.ac.uk/sobi_scans/boreholes/258518)  
#6: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258523](https://scans.bgs.ac.uk/sobi_scans/boreholes/258523)  
#7A: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258515](https://scans.bgs.ac.uk/sobi_scans/boreholes/258515)  
#8B: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258519](https://scans.bgs.ac.uk/sobi_scans/boreholes/258519)  
#9: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258505](https://scans.bgs.ac.uk/sobi_scans/boreholes/258505)  
#10: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258488](https://scans.bgs.ac.uk/sobi_scans/boreholes/258488)  
#11C: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258524](https://scans.bgs.ac.uk/sobi_scans/boreholes/258524)  
#12B: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258522](https://scans.bgs.ac.uk/sobi_scans/boreholes/258522)  
#13: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258487](https://scans.bgs.ac.uk/sobi_scans/boreholes/258487)  
#14: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258514](https://scans.bgs.ac.uk/sobi_scans/boreholes/258514)  
#15: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258491](https://scans.bgs.ac.uk/sobi_scans/boreholes/258491)  
#16: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258479](https://scans.bgs.ac.uk/sobi_scans/boreholes/258479)  
#17A: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258520](https://scans.bgs.ac.uk/sobi_scans/boreholes/258520)  
#18A: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258517](https://scans.bgs.ac.uk/sobi_scans/boreholes/258517)  
#19: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258506](https://scans.bgs.ac.uk/sobi_scans/boreholes/258506)  
#20D: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258496](https://scans.bgs.ac.uk/sobi_scans/boreholes/258496)  
#21E: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258483](https://scans.bgs.ac.uk/sobi_scans/boreholes/258483)  
#22E: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258484](https://scans.bgs.ac.uk/sobi_scans/boreholes/258484)  
#23: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258482](https://scans.bgs.ac.uk/sobi_scans/boreholes/258482)  
#24: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258503](https://scans.bgs.ac.uk/sobi_scans/boreholes/258503)  
#26F: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258529](https://scans.bgs.ac.uk/sobi_scans/boreholes/258529)  
#27F: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258532](https://scans.bgs.ac.uk/sobi_scans/boreholes/258532)  
#28F: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258533](https://scans.bgs.ac.uk/sobi_scans/boreholes/258533)  
#30: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258480](https://scans.bgs.ac.uk/sobi_scans/boreholes/258480)  
#32G: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258498](https://scans.bgs.ac.uk/sobi_scans/boreholes/258498)  
#33G: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258499](https://scans.bgs.ac.uk/sobi_scans/boreholes/258499)  
#34H: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258495](https://scans.bgs.ac.uk/sobi_scans/boreholes/258495)  
#35H: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258494](https://scans.bgs.ac.uk/sobi_scans/boreholes/258494)  
#36: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258502](https://scans.bgs.ac.uk/sobi_scans/boreholes/258502)  
#37: [scans.bgs.ac.uk/sobi\\_scans/boreholes/258113](https://scans.bgs.ac.uk/sobi_scans/boreholes/258113)

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# 8 Estimated Background Soil Chemistry

Records of background estimated soil chemistry within 250m of the study site boundary:

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For further information on how this data is calculated and limitations upon its use, please see the Groundsure Geo Insight User Guide, available on request.

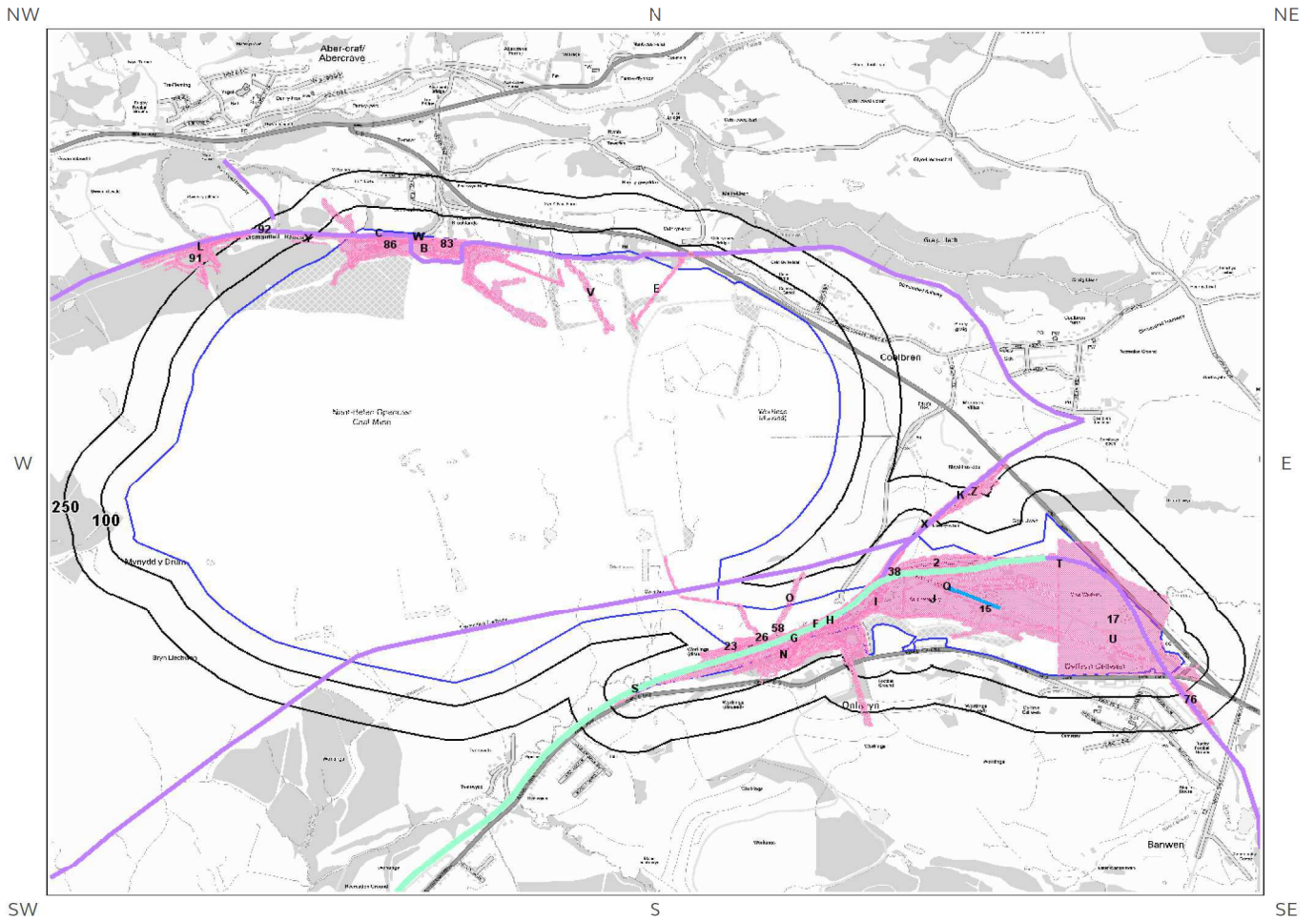
Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	35 - 45 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	45 - 60 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	45 - 60 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	35 - 45 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg



Distance (m)	Direction	Sample Type	Arsenic (As)	Cadmium (Cd)	Chromium (Cr)	Nickel (Ni)	Lead (Pb)
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	45 - 60 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	35 - 45 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	2.2 - 3.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	45 - 60 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	30 - 45 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
0.0	On Site	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
1.0	SE	Sediment	35 - 45 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
4.0	NE	Sediment	35 - 45 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
7.0	NE	Sediment	35 - 45 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
8.0	SE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
10.0	N	Sediment	35 - 45 mg/kg	1.8 - 2.2 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
10.0	NW	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
11.0	SE	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
13.0	N	Sediment	35 - 45 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
13.0	NE	Sediment	45 - 60 mg/kg	3.0 - 6.0 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
14.0	N	Sediment	35 - 45 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
16.0	N	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
16.0	N	Sediment	25 - 35 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
20.0	N	Sediment	35 - 45 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg
47.0	SW	Sediment	15 - 25 mg/kg	<1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg	<100 mg/kg













\*As this data is based upon underlying 1:50,000 scale geological information, a 50m buffer has been added to the search radius.

# 9 Railways and Tunnels map



**Railways and Tunnels Legend**

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- |   |  |   |   |
|---|--|---|---|
|  | Underground or Partially Underground Railway / Subway System |  | Railway Track (OpenStreetMap)                         |
|  | Site Outline   |  | Railway Tunnel (OS Mapping)                           |
|  | 250 Search Buffers (m)                                       |  | Abandoned or Dismantled Railway (OpenStreetMap)       |
|  | 500 Search Buffers (m)                                       |  | High Speed 2  |
|  | Railway Track (OS Mapping)                                   |  | High Speed 2 Revised Proposed Route                   |
|   |  |  | Crossrail 1   |
|   |  |  | Railway and/or Tunnel Feature from Historical Mapping |



# 9 Railways and Tunnels

## 9.1 Tunnels

This data is derived from OpenStreetMap and provides information on the possible locations of underground railway systems in the UK - the London Underground, the Tyne & Wear Metro and the Glasgow Subway.

Have any underground railway lines been identified within the study site boundary? No

Have any underground railway lines been identified within 250m of the study site boundary? No

Database searched and no data found.

*Any records that have been identified are represented on the Railways and Tunnels map.*

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This data is derived from Ordnance Survey mapping and provides information on the possible locations of railway tunnels forming part of the UK overground railway network.

Have any other railway tunnels been identified within the site boundary? No

Have any other railway tunnels been identified within 250m of the site boundary? No

Database searched and no data found.

*Any records that have been identified are represented on the Railways and Tunnels map.*

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## 9.2 Historical Railway and Tunnel Features

This data is derived from Groundsure's unique Historical Land-use Database and contains features relating to tunnels, railway tracks or associated works that have been identified from historical Ordnance Survey mapping.

Have any historical railway or tunnel features been identified within the study site boundary? Yes

Have any historical railway or tunnel features been identified within 250m of the study site boundary? Yes

ID	Distance (m)	Direction	NGR	Details	Date
1K	0	On Site	284576 210960	Railway Sidings	1921
2	0	On Site	284130 210683	Railway Sidings	1921
3A	0	On Site	282203 212067	Railway Sidings	1921
4B	0	On Site	282086 211994	Railway Sidings	1921
5A	0	On Site	282130 212064	Railway Sidings	1914
6B	0	On Site	282570 211973	Railway Sidings	1948

ID	Distance (m)	Direction	NGR	Details	Date
7B	0	On Site	282096 212030	Railway Sidings	1903
8C	0	On Site	282184 212125	Railway Sidings	1921
9C	0	On Site	282193 212121	Railway Sidings	1914
10W	0	On Site	282374 212107	Railway Sidings	1877
11D	0	On Site	282592 211920	Railway Sidings	1965
12D	0	On Site	282562 211966	Tramway Sidings	1921
13	0	On Site	282564 211961	Tramway Sidings	1914
14V	0	On Site	283067 211864	Tramway Sidings	1903
15	0	On Site	284385 210466	Railway Sidings	1948
16U	0	On Site	285233 210356	Railway Sidings	1977
17	0	On Site	285289 210506	Railway Sidings	1962
18E	0	On Site	283353 211886	Tramway Sidings	1921
19E	0	On Site	283349 211880	Tramway Sidings	1914
20	0	On Site	283357 211892	Tramway Sidings	1921
21R	0	On Site	283553 210544	Tramway Sidings	1903
22P	0	On Site	283571 210272	Railway Sidings	1921
23	0	On Site	283646 210326	Railway Sidings	1921
24F	0	On Site	284042 210395	Railway Sidings	1948
25O	0	On Site	283894 210537	Tramway Sidings	1903
26	0	On Site	283783 210366	Railway Sidings	1921
27F	0	On Site	284179 210511	Railway Sidings	1914
28F	0	On Site	284179 210511	Railway Sidings	1914
29G	0	On Site	283803 210354	Railway Sidings	1921
30F	0	On Site	284145 210479	Railway Sidings	1921
31G	0	On Site	283858 210398	Railway Sidings	1921
32H	0	On Site	284138 210479	Railway Sidings	1903
33F	0	On Site	284075 210469	Railway Sidings	1901
34N	0	On Site	283897 210309	Railway Sidings	1876
35H	0	On Site	284121 210503	Railway Sidings	1877

ID	Distance (m)	Direction	NGR	Details	Date
36M	0	On Site	283877 210338	Railway Sidings	1921
37H	0	On Site	284133 210491	Railway Sidings	1921
38	0	On Site	284325 210649	Railway Sidings	1901
39J	0	On Site	284163 210461	Mineral Railway Sidings	1987
40I	0	On Site	284249 210525	Railway Sidings	1921
41I	0	On Site	284261 210529	Railway Sidings	1921
42J	0	On Site	283953 210369	Railway Sidings	1965
52M	0	On Site	284071 210381	Tramway Sidings	1904
53N	0	On Site	283871 210292	Railway Sidings	1877
54F	0	On Site	283982 210408	Railway Sidings	1961
55F	0	On Site	283979 210408	Mineral Railway Sidings	1984
56N	0	On Site	283835 210307	Railway Sidings	1961
57H	0	On Site	284116 210510	Railway Sidings	1904
58	0	On Site	283847 210405	Railway Sidings	1918
59F	0	On Site	284168 210505	Railway Sidings	1918
60I	0	On Site	284202 210566	Mineral Railway Sidings	1962
61O	0	On Site	283894 210532	Tramway Sidings	1904
62P	0	On Site	283584 210268	Railway Sidings	1996
63Q	0	On Site	284538 210568	Mineral Railway Sidings	1997
64J	0	On Site	284569 210569	Mineral Railway Sidings	1986
65Q	0	On Site	284116 210365	Mineral Railway Sidings	1962
66R	0	On Site	283555 210542	Tramway Sidings	1904
67S	0	On Site	283249 210143	Mineral Railway Sidings	1986
68S	0	On Site	283249 210143	Mineral Railway Sidings	1984
69S	0	On Site	283266 210151	Railway Sidings	1961
70T	0	On Site	285005 210686	Railway Sidings	1989
71T	0	On Site	285005 210688	Railway Sidings	1978
72T	0	On Site	285005 210688	Railway Sidings	1989
73U	0	On Site	285225 210347	Mineral Railway Sidings	1978

ID	Distance (m)	Direction	NGR	Details	Date
74U	0	On Site	285227 210348	Mineral Railway Sidings	1989
75U	0	On Site	285227 210348	Mineral Railway Sidings	1919
76	0	On Site	285533 210113	Mineral Railway Sidings	1905
77E	0	On Site	283350 211885	Tramway Sidings	1962
78V	0	On Site	283079 211867	Old Tramway Sidings	1919
79	0	On Site	282650 211869	Railway Sidings	1905
80	0	On Site	282819 211972	Tramway Sidings	1919
81W	0	On Site	282098 212026	Railway Sidings	1962
82W	0	On Site	282568 211989	Railway Sidings	1905
83	0	On Site	282540 212066	Mineral Railway Sidings	1877
84B	0	On Site	282421 212064	Railway Sidings	1962
85B	0	On Site	282380 212062	Colliery Railway Sidings	1921
86	0	On Site	282252 212073	Railway Sidings	1962
43X	6	NE	284449 210859	Railway Sidings	1919
87X	14	NE	284442 210857	Mineral Railway Sidings	1948
88K	14	NE	284605 211000	Railway Sidings	1921
44K	17	NE	284597 210989	Railway Sidings	1919
45K	17	NE	284599 210986	Railway Sidings	1904
89Y	38	NW	281912 212099	Railway Sidings	1965
90Y	63	NW	281908 212127	Railway Sidings	1919
46Z	140	N	284654 210998	Railway Sidings	1921
91	155	NW	281236 211992	Railway Sidings	1914
47L	166	NW	281272 212028	Railway Sidings	1921
48L	169	NW	281278 212023	Railway Sidings	1962
49L	173	NW	281280 212029	Railway Sidings	1903
92	199	NW	281730 212138	Mineral Railway Sidings	1904
50L	200	NW	281390 212037	Railway Sidings	1962
93L	206	NW	281415 212051	Railway Sidings	1948
94Z	234	N	284703 211028	Railway Sidings	

ID	Distance (m)	Direction	NGR	Details	Date
51L	239	NW	281390 212074	Railway Sidings	

*Any records that have been identified are represented on the Railways and Tunnels map.*

### 9.3 Historical Railways

This data is derived from OpenStreetMap and provides information on the possible alignments of abandoned or dismantled railway lines in proximity to the study site.

Have any historical railway lines been identified within the study site boundary? Yes

Have any historical railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Status
0	On Site	Abandoned
0	On Site	Razed
0	On Site	Razed
0	On Site	Abandoned
0	On Site	Razed
0	On Site	Abandoned
0	On Site	Abandoned
0	On Site	Razed
0	On Site	Razed
0	On Site	Abandoned
0	On Site	Razed
0	On Site	Abandoned
65	N	Abandoned
65	N	Razed
237	NW	Abandoned
237	NW	Razed

Multiple sections of the same track may be listed in the detail above  
*Any records that have been identified are represented on the Railways and Tunnels map.*

### 9.4 Active Railways

These datasets are derived from Ordnance Survey mapping and OpenStreetMap and provide information on the possible locations of active railway lines in proximity to the study site.

Have any active railway lines been identified within the study site boundary? Yes

Have any active railway lines been identified within 250m of the study site boundary? Yes

Distance (m)	Direction	Name	Type
0	On Site	Not given	rail
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track

Distance (m)	Direction	Name	Type
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
0	On Site	Not given	Multi Track
80	SW	Not given	Multi Track
80	SW	Not given	Multi Track

Multiple sections of the same track may be listed in the detail above  
*Any records that have been identified are represented on the Railways and Tunnels map.*

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## 9.5 Railway Projects

These datasets provide information on the location of large scale railway projects High Speed 2 and Crossrail 1 .

Is the study site within 5km of the route of the High Speed 2 rail project? No

Is the study site within 500m of the route of the Crossrail 1 rail project? No

*Further information on proximity to these routes, the project construction status and associated works can be obtained through the purchase of a Groundsure HS2 and Crossrail 1 Report.*

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The route data has been digitised from publicly available maps by Groundsure. The route as provided relates to the Crossrail 1 project only, and does not include any details of the Crossrail 2 project, as final details of the route for Crossrail 2 are still under consultation.

Please note that this assessment takes account of both the original Phase 2b proposed route and the amended route proposed in 2016. As the Phase 2b route is still under consultation, Groundsure are providing information on both options until the final route is formally confirmed. Practitioners should take account of this uncertainty when advising clients.

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BGS Geological Hazards Reports and general geological enquiries

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Website: <http://www1.getmapping.com/>



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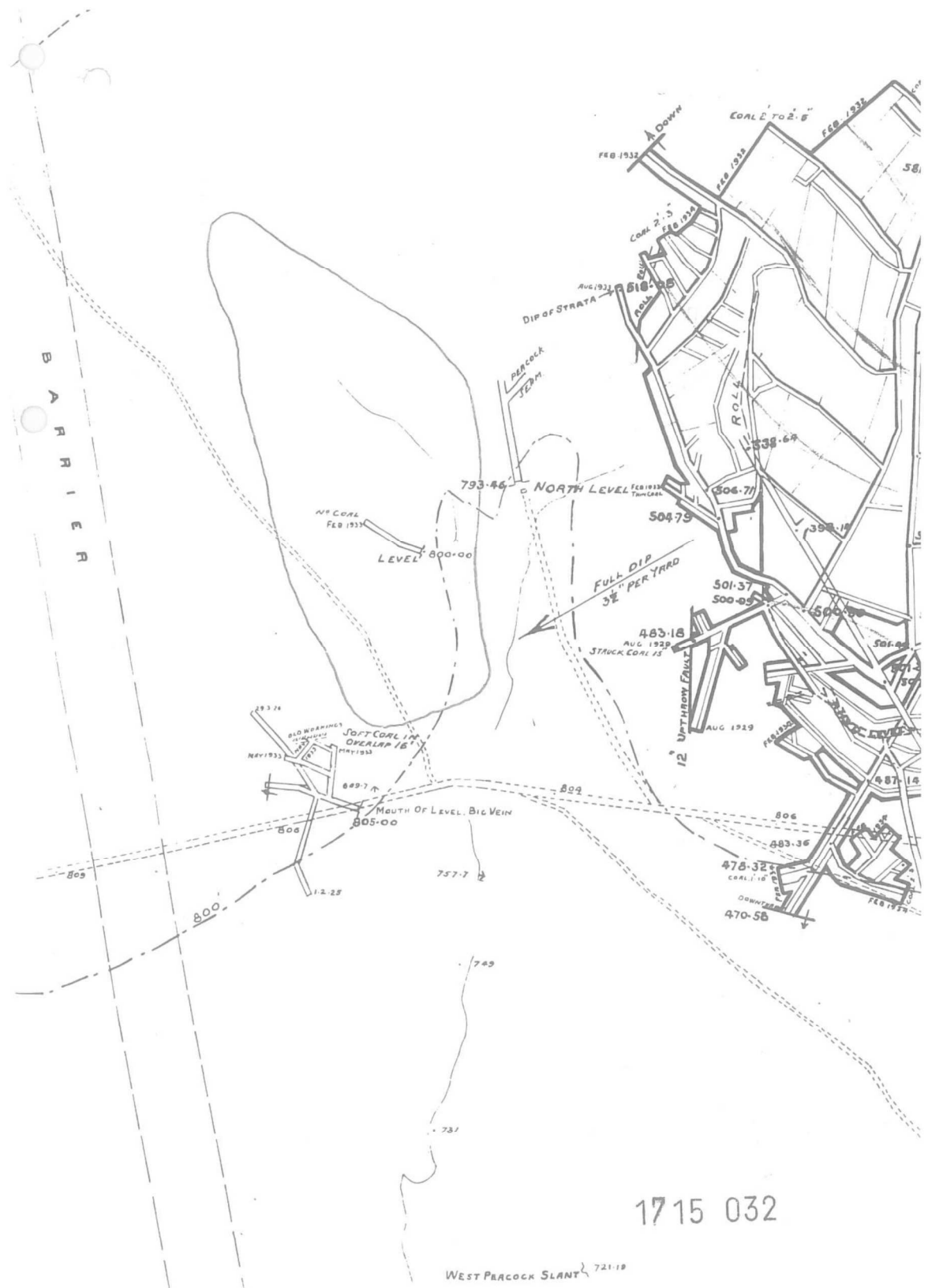


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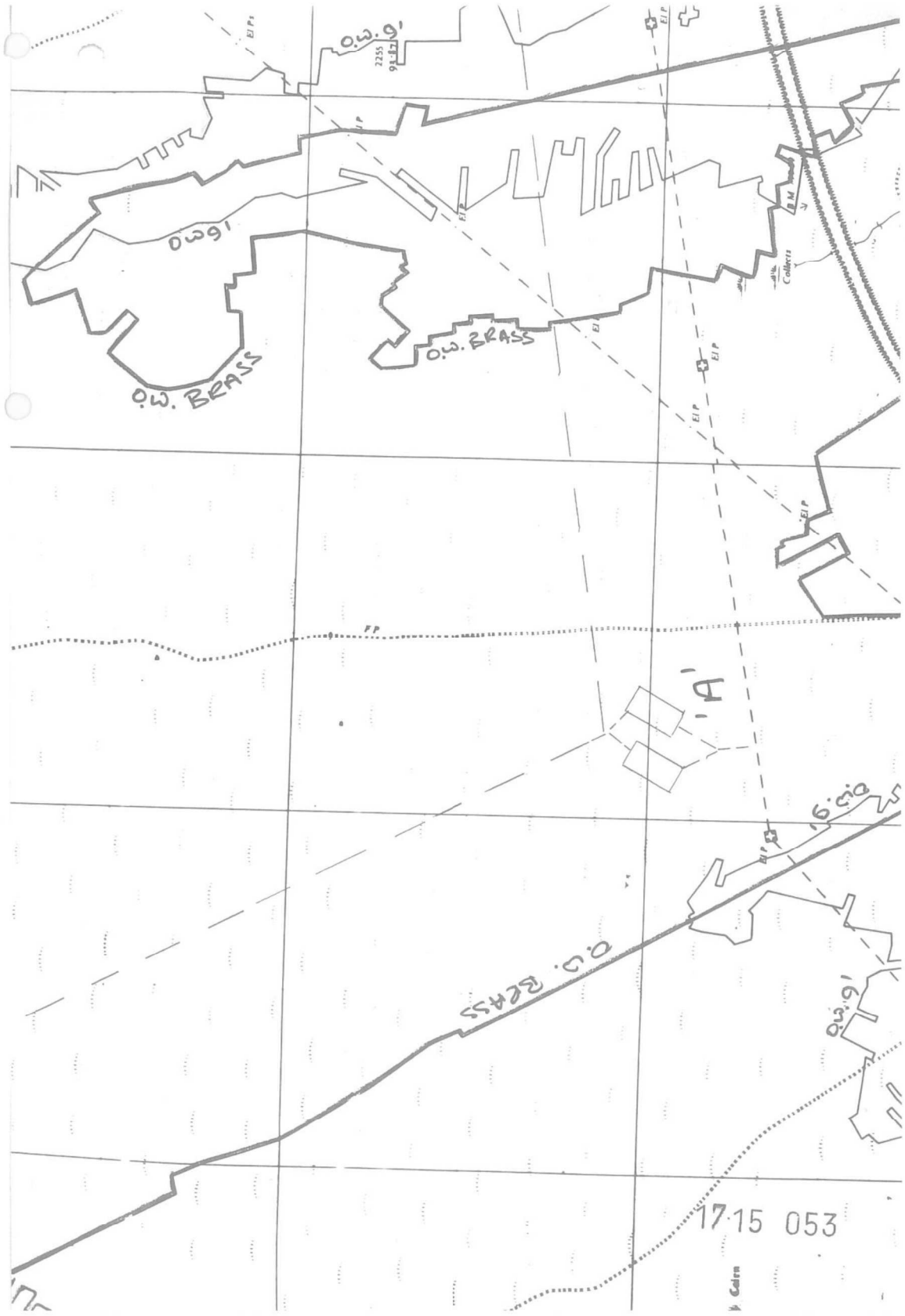
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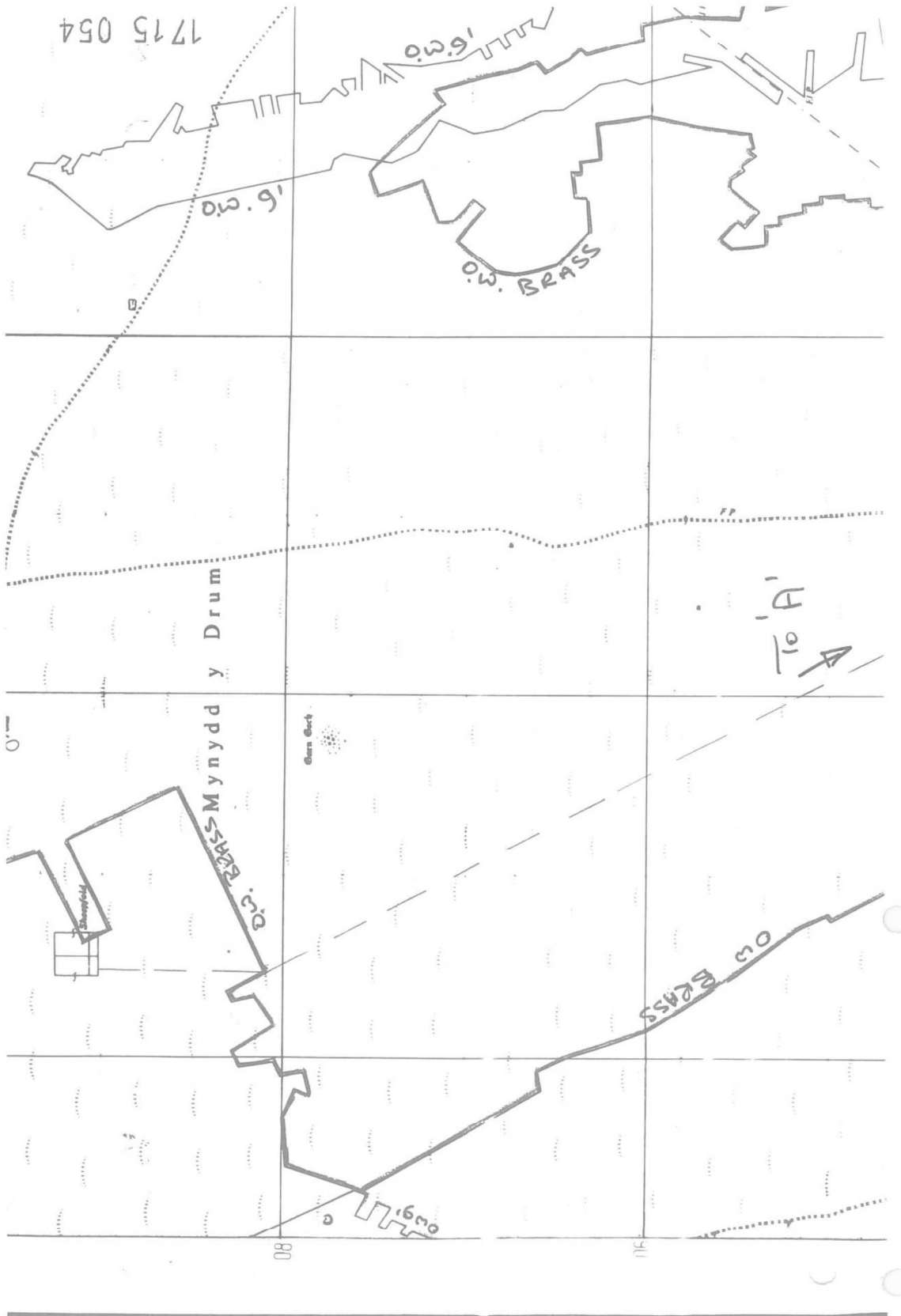
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Workings - Celtic Energy



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WEST PERCOCK SLANT 721-19



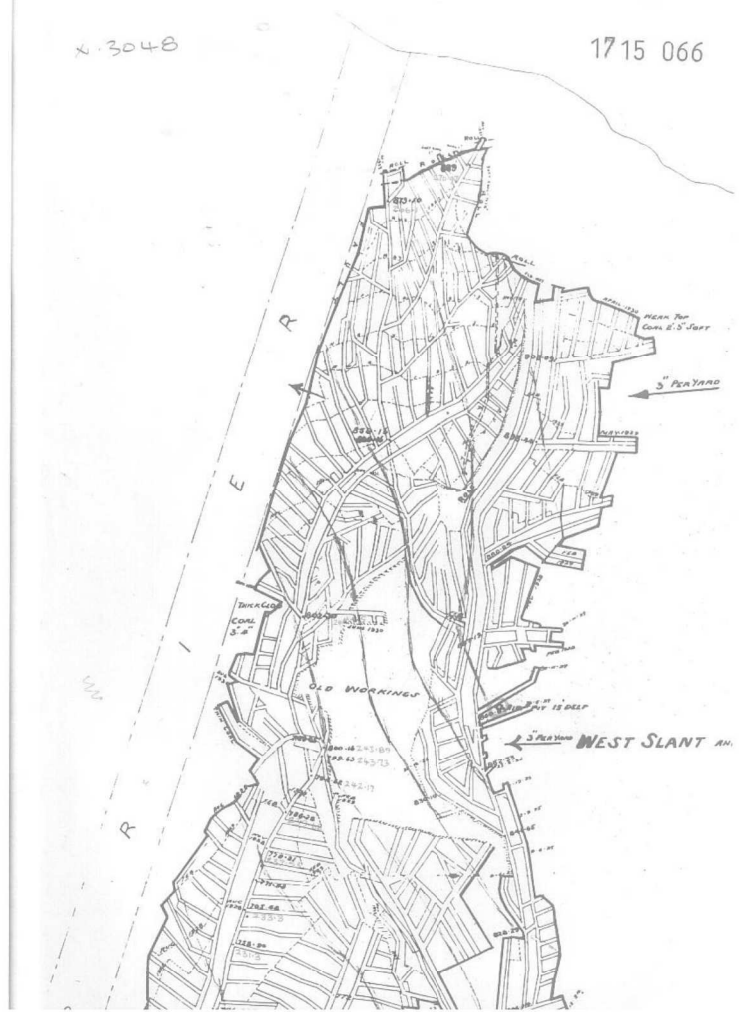


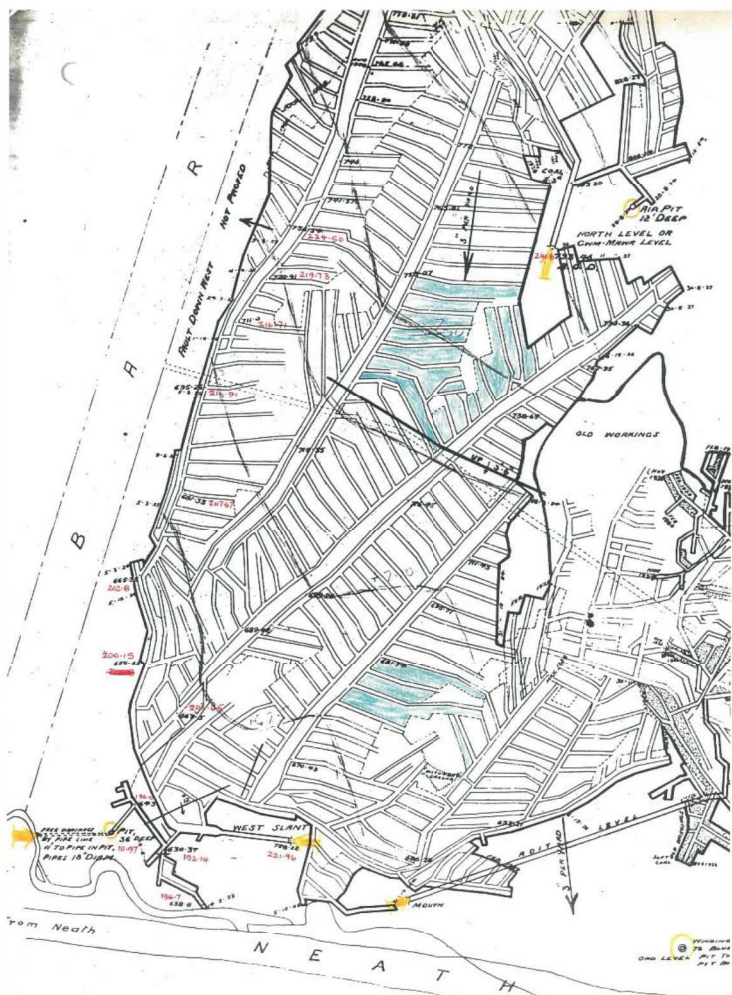
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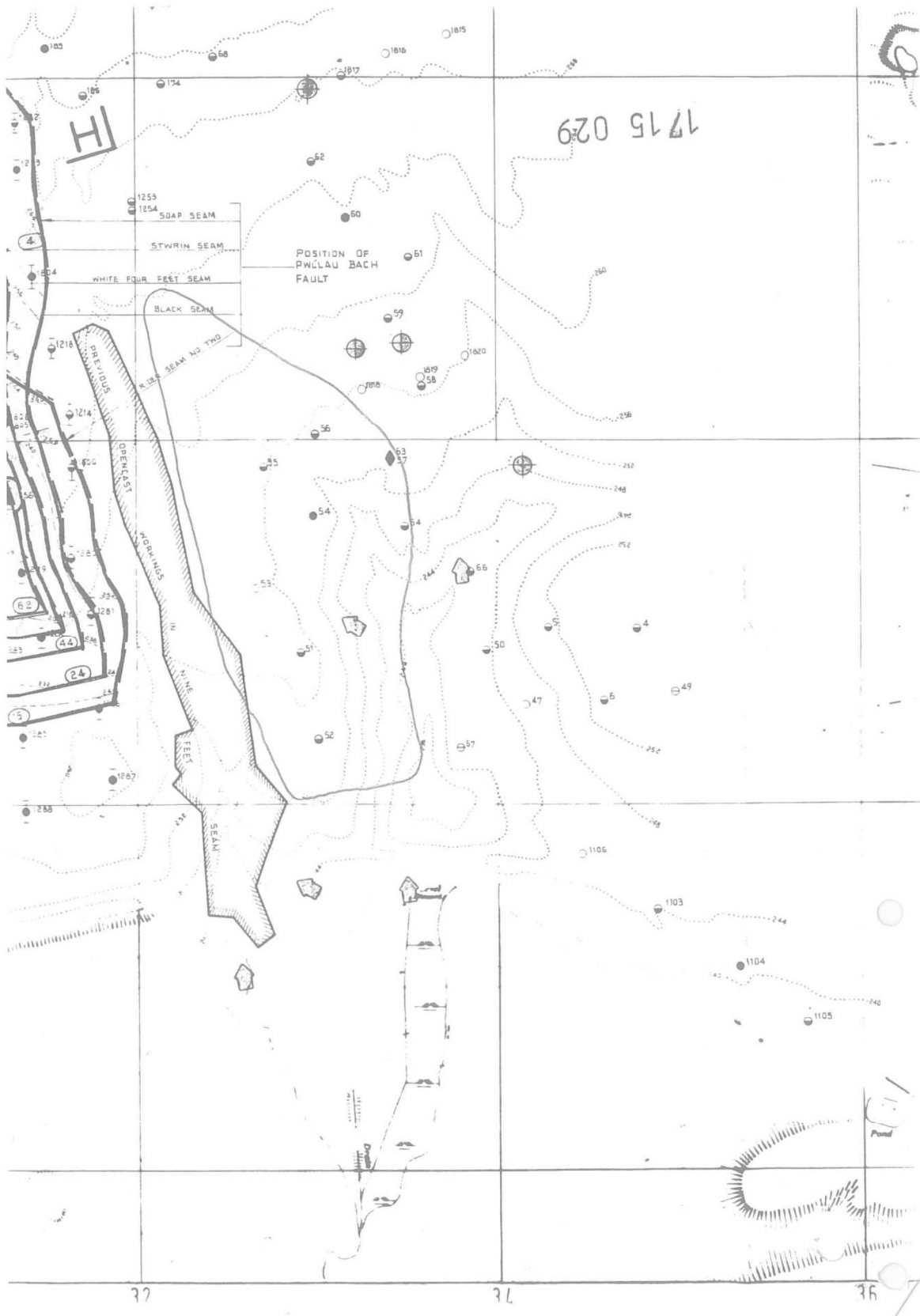
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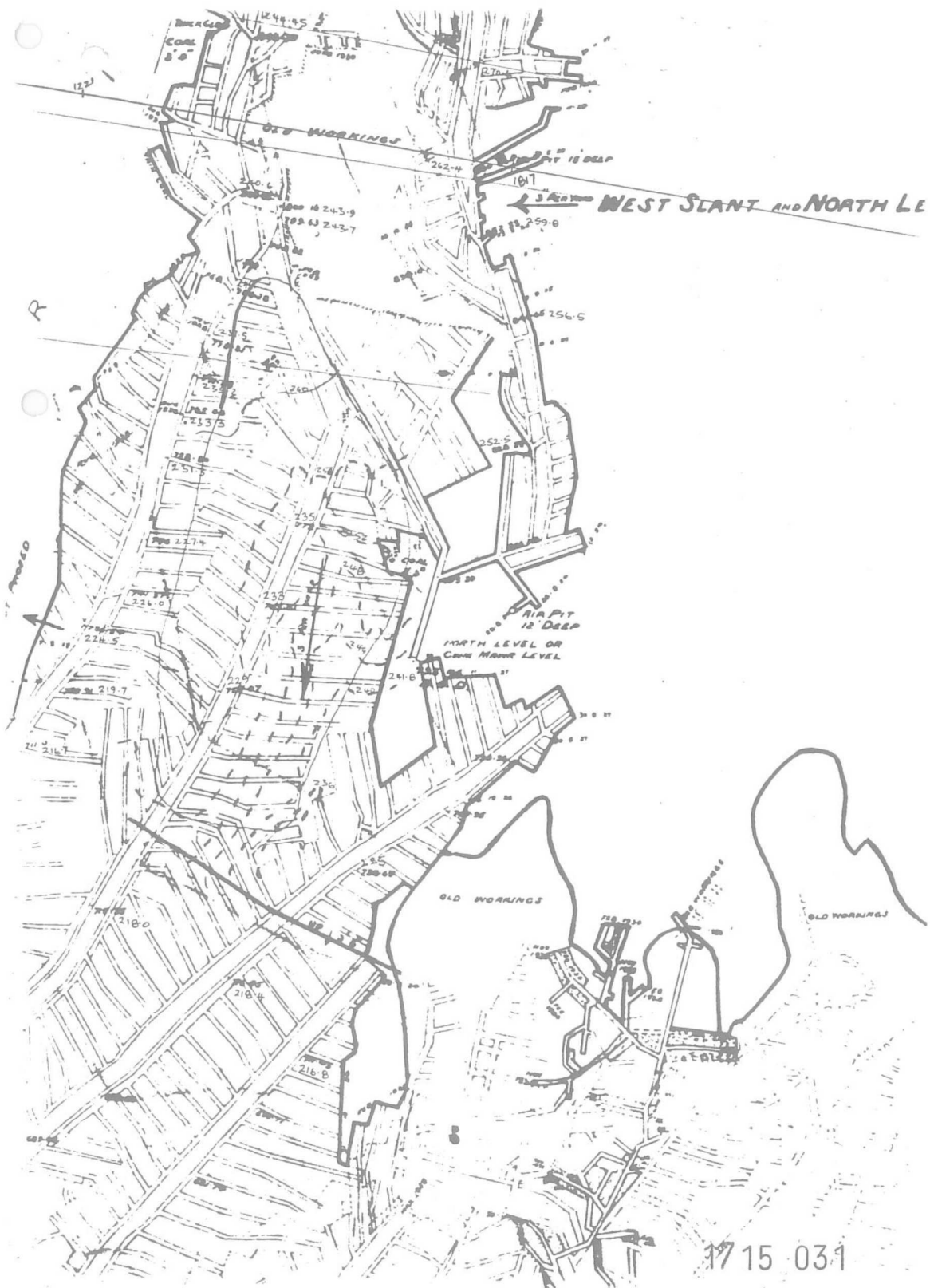




THIS PLAN IS A TRUE COPY OF THE WORKING PLAN OF THE MINE  
 AS COMPLETED UP TO 10<sup>th</sup> FEBRUARY 1934, AND I CERTIFY AFTER  
 THOROUGH EXAMINATION AND INQUIRY THAT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF IT IS AN ACCURATE PLAN OF THE MINE.  
*J. H. Darnell*  
 Mining Engineer  
 27/5/34  
 Certificate No 1502  
 SCALE 2 CHAINS TO ONE INCH  
 1:2500







17 15 031

17 15 065

