

Dynamic Probe Test Results Sheet

DP No: **WS6**

Site: **Dobfield Road**

Date: 26-Jan-23

Job Number: **A5182**

Test Type: DPSH

Client: John Bullock

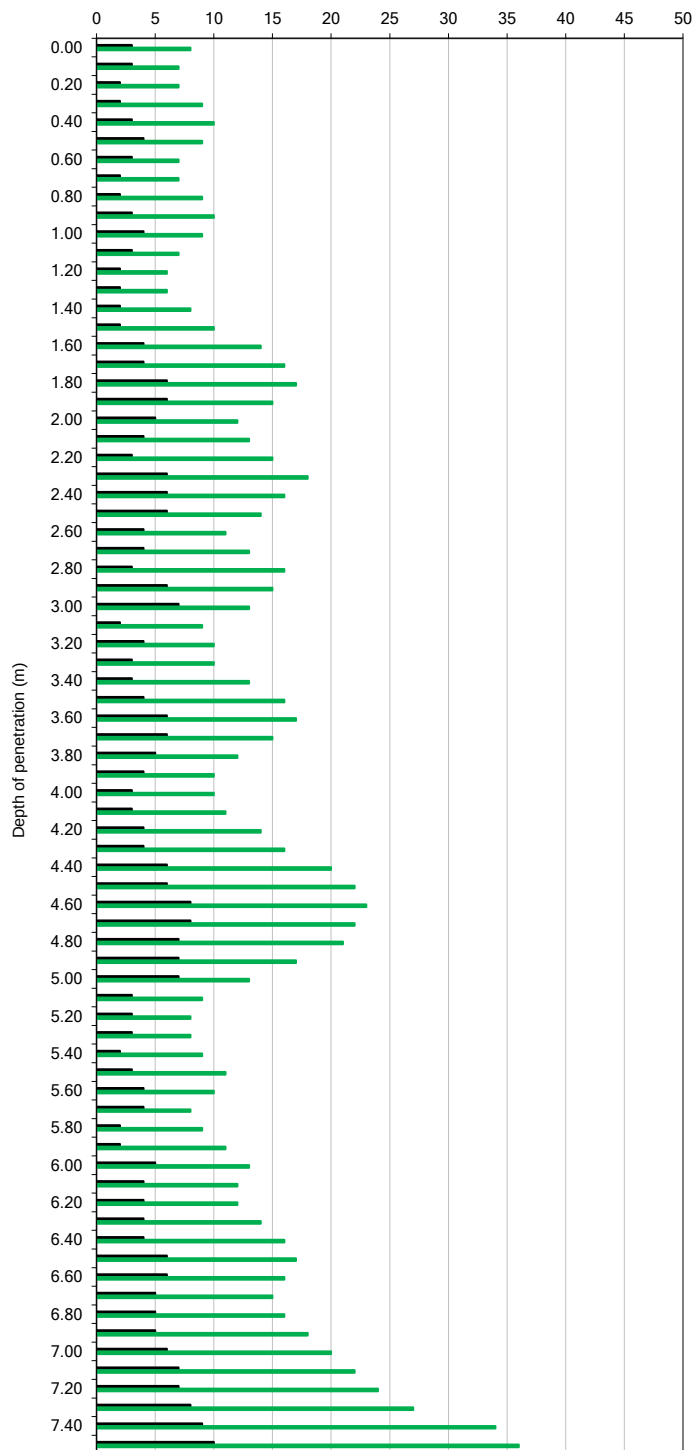
Final Depth: 8.90

Rig Type: Competitor 130

Sheet 1 of 2



Depth (m)	DPN ₁₀₀	DPN ₃₀₀	SPT N *
0.00	3	8	8
0.10	3	7	7
0.20	2	7	7
0.30	2	9	9
0.40	3	10	10
0.50	4	9	9
0.60	3	7	7
0.70	2	7	7
0.80	2	9	9
0.90	3	10	10
1.00	4	9	9
1.10	3	7	7
1.20	2	6	6
1.30	2	6	6
1.40	2	8	8
1.50	2	10	10
1.60	4	14	14
1.70	4	16	16
1.80	6	17	17
1.90	6	15	15
2.00	5	12	12
2.10	4	13	13
2.20	3	15	15
2.30	6	18	18
2.40	6	16	16
2.50	6	14	14
2.60	4	11	11
2.70	4	13	13
2.80	3	16	16
2.90	6	15	15
3.00	7	13	13
3.10	2	9	9
3.20	4	10	10
3.30	3	10	10
3.40	3	13	13
3.50	4	16	16
3.60	6	17	17
3.70	6	15	15
3.80	5	12	12
3.90	4	10	10
4.00	3	10	10
4.10	3	11	11
4.20	4	14	14
4.30	4	16	16
4.40	6	20	20
4.50	6	22	22
4.60	8	23	23
4.70	8	22	22
4.80	7	21	21
4.90	7	17	17
5.00	7	13	13
5.10	3	9	9
5.20	3	8	8
5.30	3	8	8
5.40	2	9	9
5.50	3	11	11
5.60	4	10	10
5.70	4	8	8
5.80	2	9	9
5.90	2	11	11
6.00	5	13	13
6.10	4	12	12
6.20	4	12	12
6.30	4	14	14
6.40	4	16	16
6.50	6	17	17
6.60	6	16	16
6.70	5	15	15
6.80	5	16	16
6.90	5	18	18
7.00	6	20	20
7.10	7	22	22
7.20	7	24	24
7.30	8	27	27
7.40	9	34	34
7.50	10	36	36



DPN₁₀₀ values (shorter bars) & equivalent SPT values (longer bars)

Hammer Mass: 63.5 kg Cone Dia: 50.5mm
Drop Height: 750 mm Test by: PM Sampling

General Remarks:

DPN₁₀₀ = Dynamic penetration resistance for 100mm penetration.

DPN₃₀₀ = Dynamic penetration resistance for 300mm penetration (ie: sum of 3 consecutive DPN₁₀₀ values), starting at the depth given.

* Equivalent SPT N-values (for 300mm penetration) assumed to approximate the DPN₃₀₀ values for dynamic probe "super-heavy" test (DPSH).

For dynamic probe "heavy" test (DPH), equivalent SPT N-values estimated using the theoretical relationship $DPN_{100} = 1.5 \text{ SPT-N}$ [see Card, G.B., Roche, D.P. & Herbert, S.M., in Geol. Soc. Special Publication No 6, *Field Testing in Engineering Geology* (1990)]. SPT values are estimated and are for general guidance only.

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DP No: **WS6**

Site: **Dobfield Road**

Date: **26-Jan-23**

Job Number: **A5182**

Test Type: **DPSH**

Client: **John Bullock**

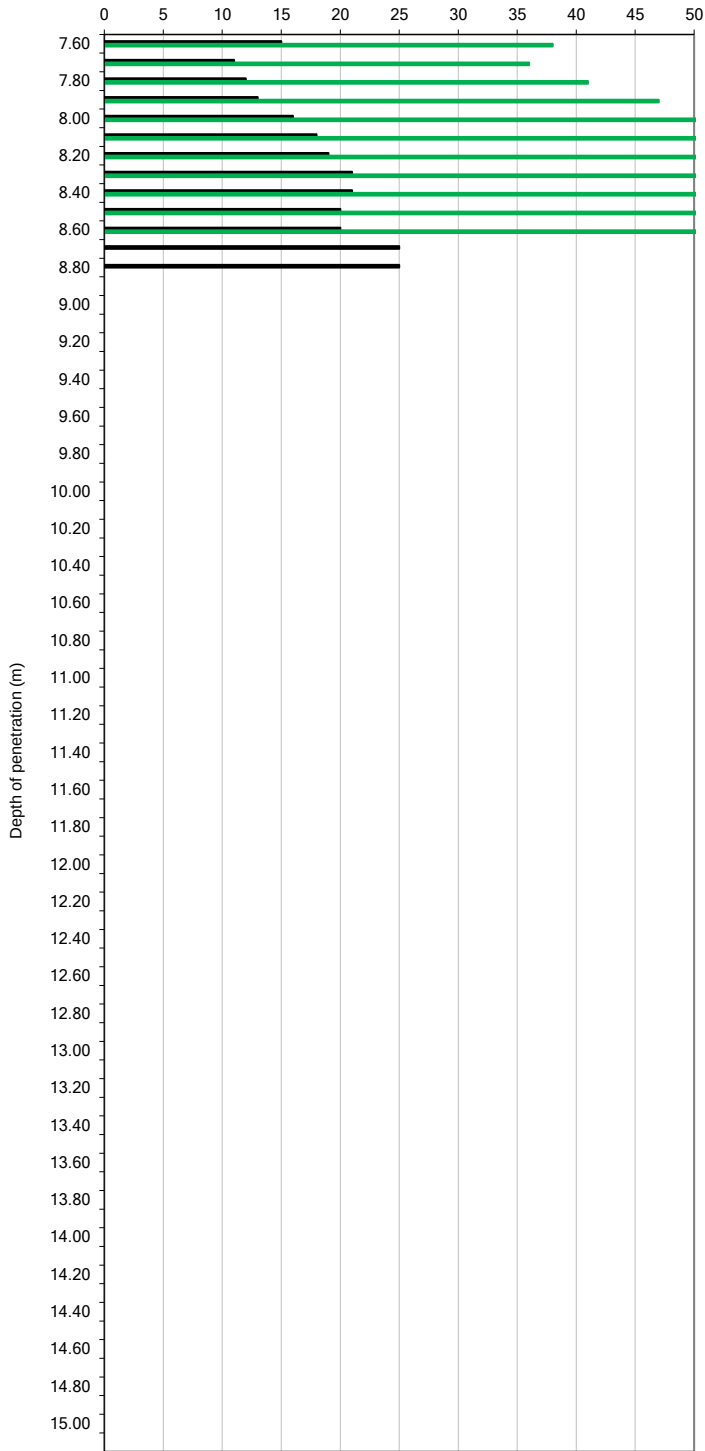
Final Depth: **8.90**

Rig Type: **Competitor 130**

Sheet 2 of 2



Depth (m)	DPN ₁₀₀	DPN ₃₀₀	SPT N *
7.60	15	38	38
7.70	11	36	36
7.80	12	41	41
7.90	13	47	47
8.00	16	53	53
8.10	18	58	58
8.20	19	61	61
8.30	21	62	62
8.40	21	61	61
8.50	20	65	65
8.60	20	70	70
8.70	25		
8.80	25		
8.90			
9.00			
9.10			
9.20			
9.30			
9.40			
9.50			
9.60			
9.70			
9.80			
9.90			
10.00			
10.10			
10.20			
10.30			
10.40			
10.50			
10.60			
10.70			
10.80			
10.90			
11.00			
11.10			
11.20			
11.30			
11.40			
11.50			
11.60			
11.70			
11.80			
11.90			
12.00			
12.10			
12.20			
12.30			
12.40			
12.50			
12.60			
12.70			
12.80			
12.90			
13.00			
13.10			
13.20			
13.30			
13.40			
13.50			
13.60			
13.70			
13.80			
13.90			
14.00			
14.10			
14.20			
14.30			
14.40			
14.50			
14.60			
14.70			
14.80			
14.90			
15.00			



DPN₁₀₀ values (shorter bars) & equivalent SPT N-values (longer bars)

Hammer Mass: 63.5 kg Cone Dia: 50.5mm
Drop Height: 750 mm Test by: PM Samplr

General Remarks:

DPN₁₀₀ = Dynamic penetration resistance for 100mm penetration.

DPN₃₀₀ = Dynamic penetration resistance for 300mm penetration (ie: sum of 3 consecutive DPN₁₀₀ values), starting at the depth given.

* Equivalent SPT N-values (for 300mm penetration) assumed to approximate the DPN₃₀₀ values for dynamic probe "super-heavy" test (DPSH).

For dynamic probe "heavy" test (DPH), equivalent SPT N-values estimated using the theoretical relationship $DPN_{300} = 1.5 \text{ SPT-N}$. [see Card, G.B., Roche, D.P. & Herbert, S.M., in Geol. Soc. Special Publication No 6, Field Testing in Engineering Geology (1990)]. SPT values are estimated and are for general guidance only.

Dynamic Probe Test Results Sheet

DP No: **WS7**

Site: **Dobfield Road**

Date: 26-Jan-23

Job Number: **A5182**

Test Type: DPSH

Client: John Bullock

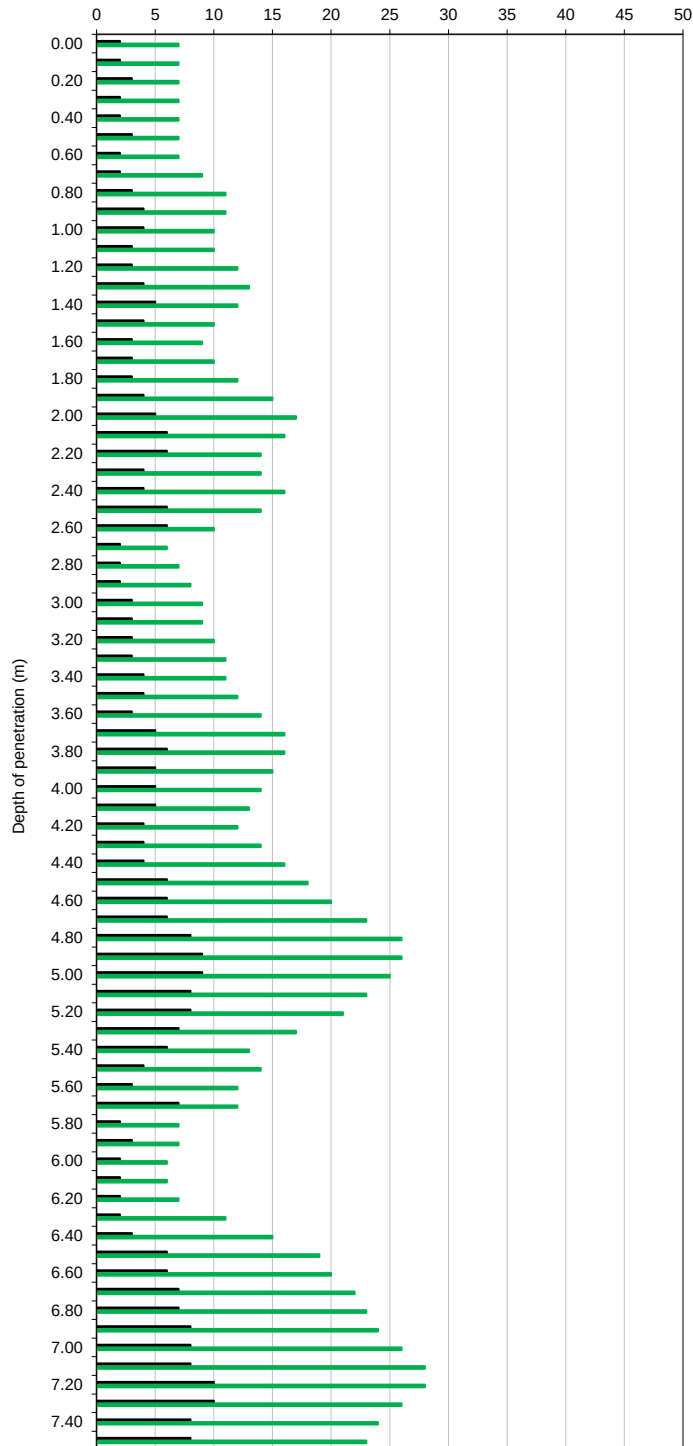
Final Depth: 9.10

Rig Type: Competitor 130

Sheet 1 of 2



Depth (m)	DPN ₁₀₀	DPN ₃₀₀	SPT N *
0.00	2	7	7
0.10	2	7	7
0.20	3	7	7
0.30	2	7	7
0.40	2	7	7
0.50	3	7	7
0.60	2	7	7
0.70	2	9	9
0.80	3	11	11
0.90	4	11	11
1.00	4	10	10
1.10	3	10	10
1.20	3	12	12
1.30	4	13	13
1.40	5	12	12
1.50	4	10	10
1.60	3	9	9
1.70	3	10	10
1.80	3	12	12
1.90	4	15	15
2.00	5	17	17
2.10	6	16	16
2.20	6	14	14
2.30	4	14	14
2.40	4	16	16
2.50	6	14	14
2.60	6	10	10
2.70	2	6	6
2.80	2	7	7
2.90	2	8	8
3.00	3	9	9
3.10	3	9	9
3.20	3	10	10
3.30	3	11	11
3.40	4	11	11
3.50	4	12	12
3.60	3	14	14
3.70	5	16	16
3.80	6	16	16
3.90	5	15	15
4.00	5	14	14
4.10	5	13	13
4.20	4	12	12
4.30	4	14	14
4.40	4	16	16
4.50	6	18	18
4.60	6	20	20
4.70	6	23	23
4.80	8	26	26
4.90	9	26	26
5.00	9	25	25
5.10	8	23	23
5.20	8	21	21
5.30	7	17	17
5.40	6	13	13
5.50	4	14	14
5.60	3	12	12
5.70	7	12	12
5.80	2	7	7
5.90	3	7	7
6.00	2	6	6
6.10	2	6	6
6.20	2	7	7
6.30	2	11	11
6.40	3	15	15
6.50	6	19	19
6.60	6	20	20
6.70	7	22	22
6.80	7	23	23
6.90	8	24	24
7.00	8	26	26
7.10	8	28	28
7.20	10	28	28
7.30	10	26	26
7.40	8	24	24
7.50	8	23	23



DPN₁₀₀ values (shorter bars) & equivalent SPT values (longer bars)

Hammer Mass: 63.5 kg
Drop Height: 750 mm

Cone Dia: 50.5mm
Test by: PM Sampling

General Remarks:

DPN₁₀₀ = Dynamic penetration resistance for 100mm penetration.

DPN₃₀₀ = Dynamic penetration resistance for 300mm penetration (ie: sum of 3 consecutive DPN₁₀₀ values), starting at the depth given.

* Equivalent SPT N-values (for 300mm penetration) assumed to approximate the DPN₃₀₀ values for dynamic probe "super-heavy" test (DPSH).

For dynamic probe "heavy" test (DPH), equivalent SPT N-values estimated using the theoretical relationship DPN₁₀₀ = 1.5 SPT-N, [see Card, G.B., Roche, D.P. & Herbert, S.M., in Geol. Soc. Special Publication No 6, *Field Testing in Engineering Geology* (1990)]. SPT values are estimated and are for general guidance only.

Dynamic Probe Test Results Sheet

DP No: **WS7**

Site: **Dobfield Road**

Date: 26-Jan-23

Job Number: **A5182**

Test Type: DPSH

Client: Electricity North West Limited

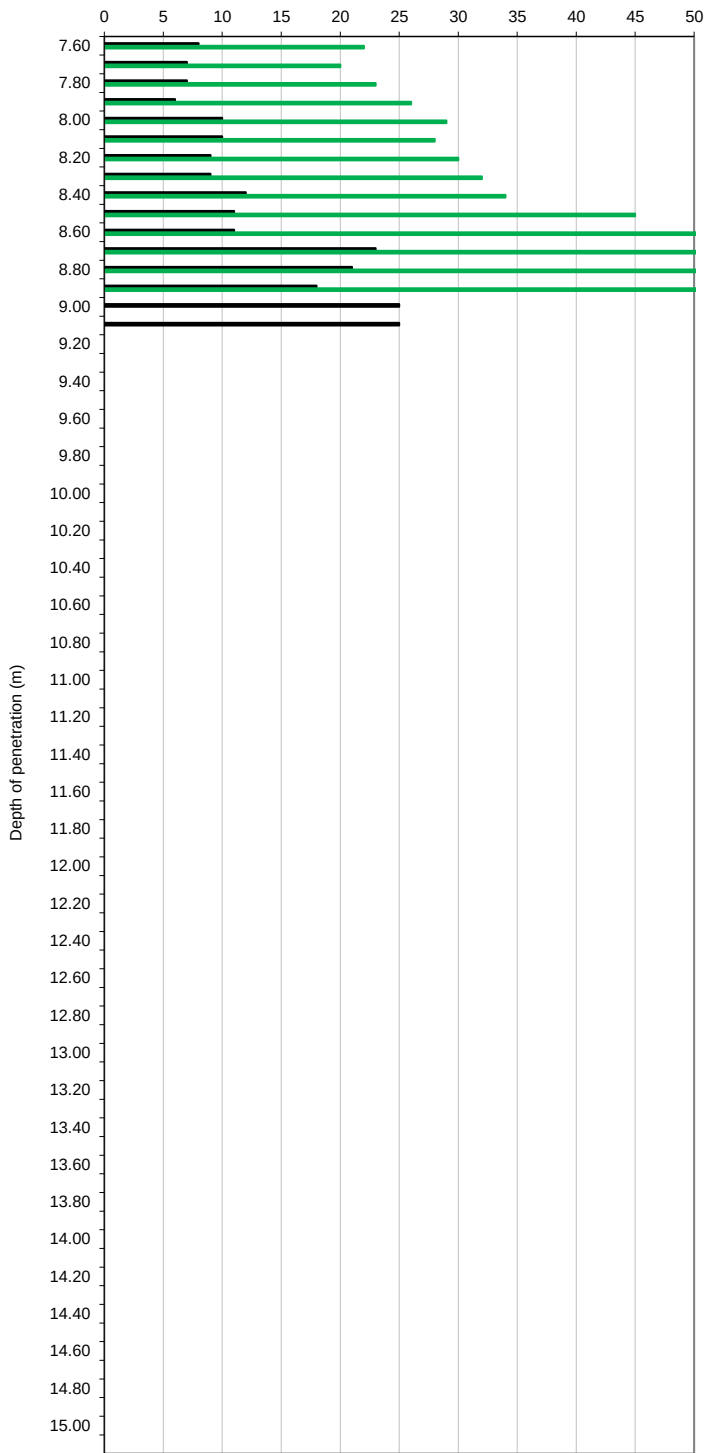
Final Depth: 9.10

Rig Type: Competitor 130

Sheet 2 of 2



Depth (m)	DPN ₁₀₀	DPN ₃₀₀	SPT N *
7.60	8	22	22
7.70	7	20	20
7.80	7	23	23
7.90	6	26	26
8.00	10	29	29
8.10	10	28	28
8.20	9	30	30
8.30	9	32	32
8.40	12	34	34
8.50	11	45	45
8.60	11	55	55
8.70	23	62	62
8.80	21	64	64
8.90	18	68	68
9.00	25		
9.10	25		
9.20			
9.30			
9.40			
9.50			
9.60			
9.70			
9.80			
9.90			
10.00			
10.10			
10.20			
10.30			
10.40			
10.50			
10.60			
10.70			
10.80			
10.90			
11.00			
11.10			
11.20			
11.30			
11.40			
11.50			
11.60			
11.70			
11.80			
11.90			
12.00			
12.10			
12.20			
12.30			
12.40			
12.50			
12.60			
12.70			
12.80			
12.90			
13.00			
13.10			
13.20			
13.30			
13.40			
13.50			
13.60			
13.70			
13.80			
13.90			
14.00			
14.10			
14.20			
14.30			
14.40			
14.50			
14.60			
14.70			
14.80			
14.90			
15.00			



DPN₁₀₀ values (shorter bars) & equivalent SPT N-values (longer bars)

Hammer Mass: 63.5 kg Cone Dia: 50.5mm
Drop Height: 750 mm Test by: PM Samplir

General Remarks:

DPN₁₀₀ = Dynamic penetration resistance for 100mm penetration.

DPN₃₀₀ = Dynamic penetration resistance for 300mm penetration (ie: sum of 3 consecutive DPN₁₀₀ values), starting at the depth given.

* Equivalent SPT N-values (for 300mm penetration) assumed to approximate the DPN₃₀₀ values for dynamic probe "super-heavy" test (DPSH).

For dynamic probe "heavy" test (DPH), equivalent SPT N-values estimated using the theoretical relationship $DPN_{300} = 1.5 \text{ SPT-N}$. [see Card, G.B., Roche, D.P. & Herbert, S.M., in Geol. Soc. Special Publication No 6, Field Testing in Engineering Geology (1990)]. SPT values are estimated and are for general guidance only.

Dynamic Probe Test Results Sheet

DP No: **WS8**

Site: **Dobfield Road**

Date: **26-Jan-23**

Job Number: **A5182**

Test Type: **DPSH**

Client: **John Bullock**

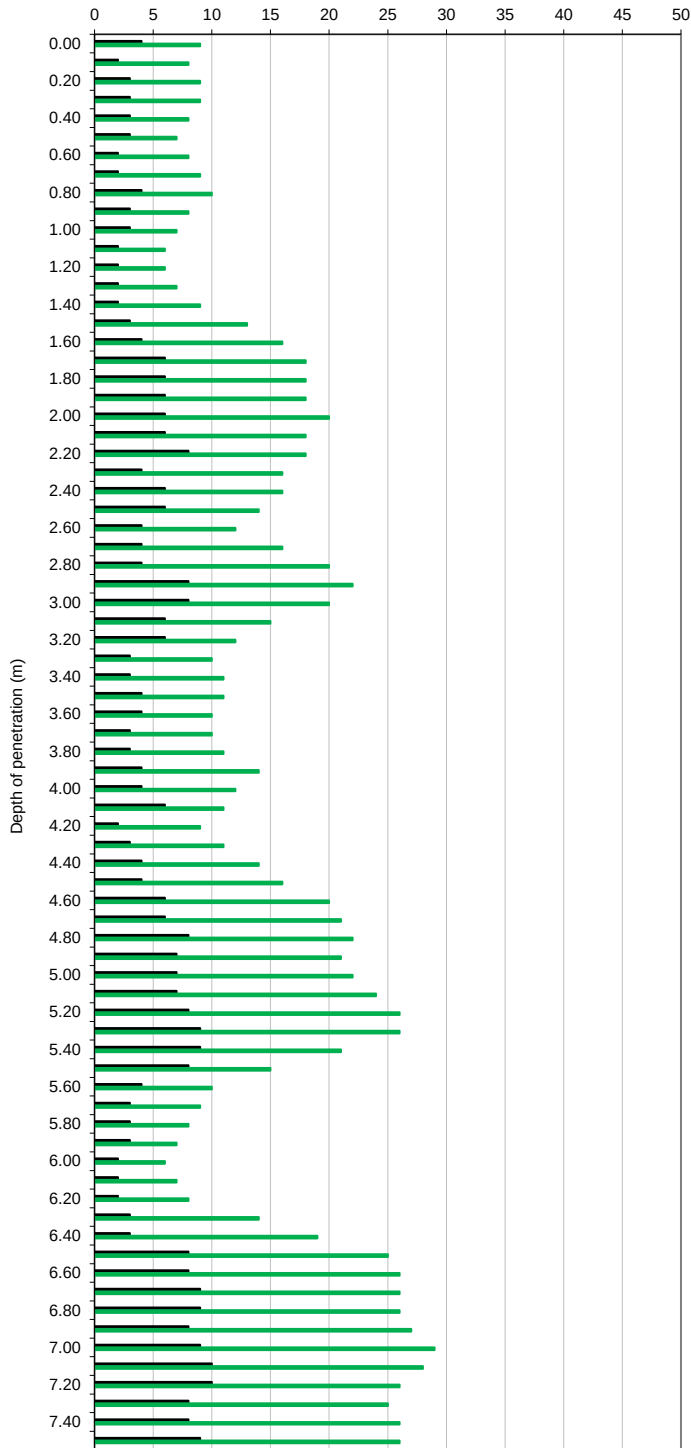
Final Depth: **8.50**

Rig Type: **Competitor 130**

Sheet 1 of 2



Depth (m)	DPN ₁₀₀	DPN ₃₀₀	SPT N *
0.00	4	9	9
0.10	2	8	8
0.20	3	9	9
0.30	3	9	9
0.40	3	8	8
0.50	3	7	7
0.60	2	8	8
0.70	2	9	9
0.80	4	10	10
0.90	3	8	8
1.00	3	7	7
1.10	2	6	6
1.20	2	6	6
1.30	2	7	7
1.40	2	9	9
1.50	3	13	13
1.60	4	16	16
1.70	6	18	18
1.80	6	18	18
1.90	6	18	18
2.00	6	20	20
2.10	6	18	18
2.20	8	18	18
2.30	4	16	16
2.40	6	16	16
2.50	6	14	14
2.60	4	12	12
2.70	4	16	16
2.80	4	20	20
2.90	8	22	22
3.00	8	20	20
3.10	6	15	15
3.20	6	12	12
3.30	3	10	10
3.40	3	11	11
3.50	4	11	11
3.60	4	10	10
3.70	3	10	10
3.80	3	11	11
3.90	4	14	14
4.00	4	12	12
4.10	6	11	11
4.20	2	9	9
4.30	3	11	11
4.40	4	14	14
4.50	4	16	16
4.60	6	20	20
4.70	6	21	21
4.80	8	22	22
4.90	7	21	21
5.00	7	22	22
5.10	7	24	24
5.20	8	26	26
5.30	9	26	26
5.40	9	21	21
5.50	8	15	15
5.60	4	10	10
5.70	3	9	9
5.80	3	8	8
5.90	3	7	7
6.00	2	6	6
6.10	2	7	7
6.20	2	8	8
6.30	3	14	14
6.40	3	19	19
6.50	8	25	25
6.60	8	26	26
6.70	9	26	26
6.80	9	26	26
6.90	8	27	27
7.00	9	29	29
7.10	10	28	28
7.20	10	26	26
7.30	8	25	25
7.40	8	26	26
7.50	9	26	26



DPN₁₀₀ values (shorter bars) & equivalent SPT values (longer bars)

Hammer Mass: 63.5 kg
Drop Height: 750 mm

Cone Dia: 50.5mm
Test by: PM Samplin

General Remarks:

DPN₁₀₀ = Dynamic penetration resistance for 100mm penetration.

DPN₃₀₀ = Dynamic penetration resistance for 300mm penetration (ie: sum of 3 consecutive DPN₁₀₀ values), starting at the depth given.

* Equivalent SPT N-values (for 300mm penetration) assumed to approximate the DPN₁₀₀ values for dynamic probe "super-heavy" test (DPSH).

For dynamic probe "heavy" test (DPH), equivalent SPT N-values estimated using the theoretical relationship $DPN_{100} = 1.5 \text{ SPT-N}$, [see Card, G.B., Roche, D.P. & Herbert, S.M., in Geol. Soc. Special Publication No 6, *Field Testing in Engineering Geology* (1990)]. SPT values are estimated and are for general guidance only.

Dynamic Probe Test Results Sheet

DP No: **WS8**

Site: **Dobfield Road**

Date: 26-Jan-23

Job Number: **A5182**

Test Type: DPSH

Client: John Bullock

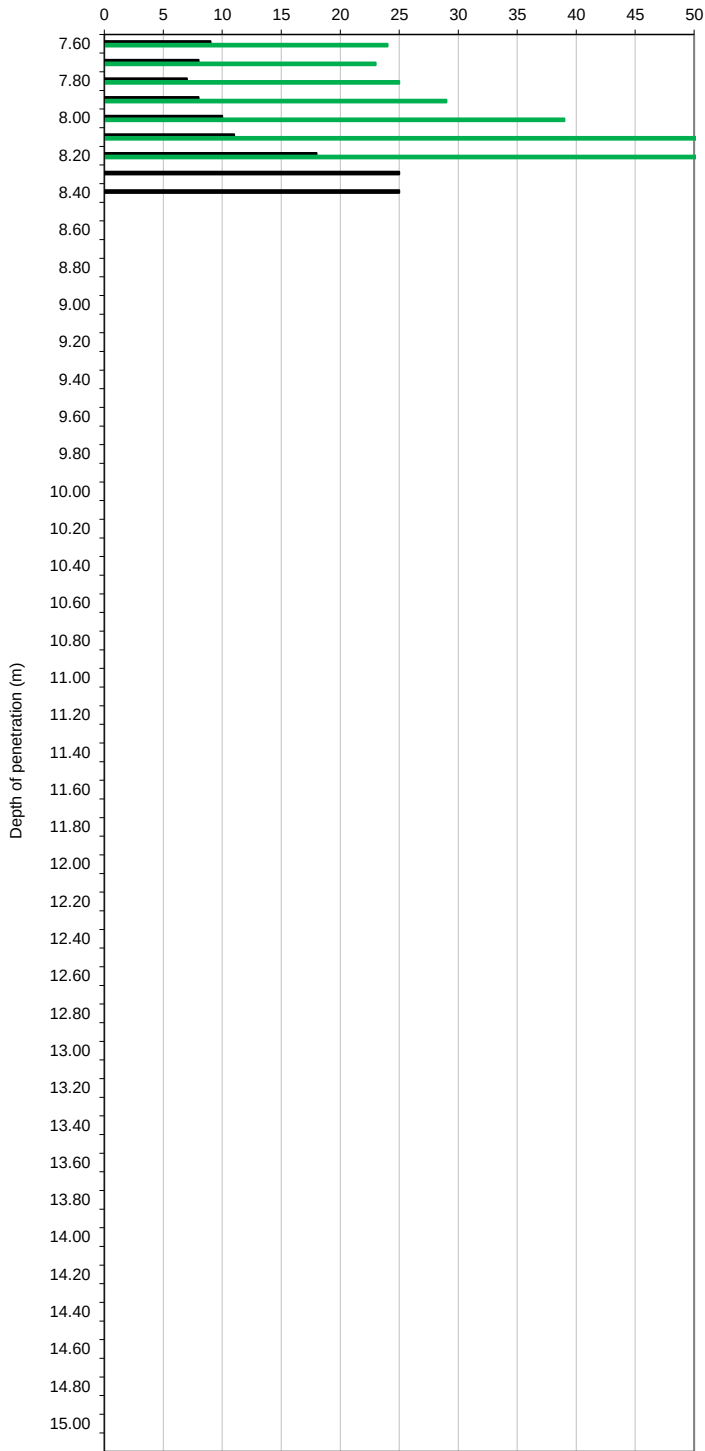
Final Depth: 8.50

Rig Type: Competitor 130

Sheet 2 of 2



Depth (m)	DPN ₁₀₀	DPN ₃₀₀	SPT N *
7.60	9	24	24
7.70	8	23	23
7.80	7	25	25
7.90	8	29	29
8.00	10	39	39
8.10	11	54	54
8.20	18	68	68
8.30	25		
8.40	25		
8.50			
8.60			
8.70			
8.80			
8.90			
9.00			
9.10			
9.20			
9.30			
9.40			
9.50			
9.60			
9.70			
9.80			
9.90			
10.00			
10.10			
10.20			
10.30			
10.40			
10.50			
10.60			
10.70			
10.80			
10.90			
11.00			
11.10			
11.20			
11.30			
11.40			
11.50			
11.60			
11.70			
11.80			
11.90			
12.00			
12.10			
12.20			
12.30			
12.40			
12.50			
12.60			
12.70			
12.80			
12.90			
13.00			
13.10			
13.20			
13.30			
13.40			
13.50			
13.60			
13.70			
13.80			
13.90			
14.00			
14.10			
14.20			
14.30			
14.40			
14.50			
14.60			
14.70			
14.80			
14.90			
15.00			



DPN₁₀₀ values (shorter bars) & equivalent SPT N-values (longer bars)

Hammer Mass: 63.5 kg Cone Dia: 50.5mm
Drop Height: 750 mm Test by: PM Samplr

General Remarks:

DPN₁₀₀ = Dynamic penetration resistance for 100mm penetration.

DPN₃₀₀ = Dynamic penetration resistance for 300mm penetration (ie: sum of 3 consecutive DPN₁₀₀ values), starting at the depth given.

* Equivalent SPT N-values (for 300mm penetration) assumed to approximate the DPN₃₀₀ values for dynamic probe "super-heavy" test (DPSH).

For dynamic probe "heavy" test (DPH), equivalent SPT N-values estimated using the theoretical relationship $DPN_{300} = 1.5 \text{ SPT-N}$. [see Card, G.B., Roche, D.P. & Herbert, S.M., in Geol. Soc. Special Publication No 6, Field Testing in Engineering Geology (1990)]. SPT values are estimated and are for general guidance only.