ALLEGATO 1

Prove Geognostiche

Parte 1: PROVE PENETROMETRICHE DINAMICHE

Parte 2: PROVE PENETROMETRICHE DINAMICHE STANDARD SPT in foro

Parte 3: PROVE PENETROMETRICHE STATICHE CPT

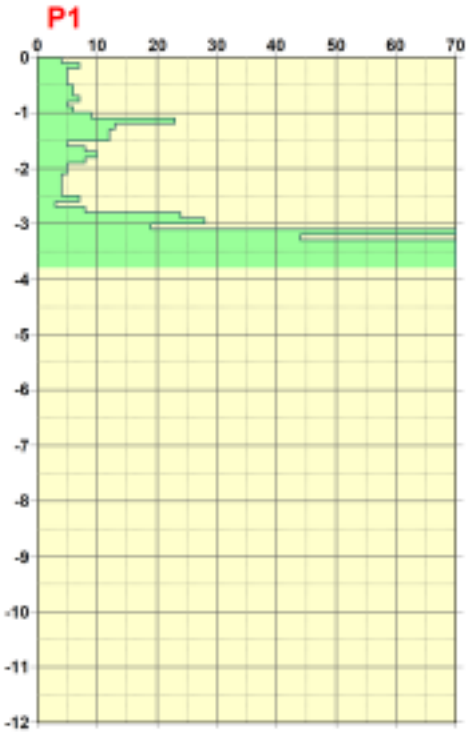
Parte 4: TRINCEE / SCAVI ESPLORATIVI

Parte 5: SONDAGGI / STRATIGRAFIE

Cod. Indag.	Indirizzo	Autore	Data	Penet. Din.	Trincee	SONDAGGI	CPT	SPT in foro	Sigla in Tav. 2
IGT0	Scuole Medie	Geoinvest s.r.l.	02/1986	7	2				P1-P7, TrA-TrB
IGT1	Piano di Lottizzazione PEC1a	Geoinvest s.r.l.	02/2000	13					P8-P20
IGT2	Via XXV 04/	Studio Geologico Tecnico Lecchese	01/2005	5					P21-P25
IGT3	Via Martin Luther King	Geoplanet Studio Geologico	03/2005	4					P26-P29
IGT4	Via Donizzetti	Dott. Geol. Riccardo Cortiana	12/2001	9					P30-P38
IGT5	Via Mazzini	Studio Geoplan	01/2003	5					P39-P43
IGT6	AT 1, tra S.P.211 e S.P.215	Fusina s.r.l.	04/2013	8					P44-P51
IGT7	AT 3, via Dante	Studio Geoplan	09/2013	1					P52
IGT8	AT 4, via E. De Amicis - S.P.215	GeoArbor studio	01/2022	6	3				P53-P58, TrC-TrE
IGT9	Via Leopardi n. 16	Geotecno srl	03/2019	2					P59-P60
IGT10	Via Luigi Galvani n.5	IPOGEO Studio Geologico		2					P61-P62
IGT11	Via dell'Industria 3/A-3/B	GEO GROUP s.r.l.	05/2019				2		Ps1-Ps2
IGT12	P.zza Matteotti	Dott. Ing. Cristiano Tomasi	05/2020	3					P63-P64
IGT13	via Galileo Galilei n. 15	FAPA engineering srl	07/2020	1					P66
IGT14	via Galileo Galilei	IDROTECNA	07/2020	4					P67-P70
IGT15	via Galvani 3	GEOPLAN s.r.l.		3					P71-P73
IGT16	presso stabilimento Salchi Metalcoat	GEO GROUP S.R.L.	07/2020						
IGT17	via Verdi	Dott. Geol. Gianbattista Fidanza	11/2020	3					P74-P76
IGT18	via Leopardi	IDROTECNA	05/2020	1					P77
IGT19	Via Meucci 1	GEOCONSULT	01/2022						
IGT20	via Primo Villa 10	Geotecno srl	02/2011	4					P78-P81
IGT21	via F. Turati	Studio Geologico Ballabio	12/2021	1					P82
IGT22	via Galileo Galilei n. 13	Geotest s.r.l.		6					P83-P88
IGT23	via Aldo Moro AT1	Fusina srl	02/2019	8					
IGT24	via Turati	ERA, Geol. Umberto Locati	12/2021	3					P89-P91
IGT25	via Caravaggio n. 24	Dott. Geol. Alessandro Ratazzi	03/2022	2					P92-P93
IGT26	via E. Fermi n. 1	Dott. Geol. Alessandro Ratazzi	01/2022	6					P94-P99
IGT27	presso stabilimento Salchi Metalcoat	GEOGROUP	07/2021	6		2		14	P100-P105, S1-S2, Pf1-Pf14
IGT28	via E. Fermi n.1	Dott. Geol. Alessandro Ratazzi	09/2021			3			S3-S5

Parte 1

PROVE PENETROMETRICHE DINAMICHE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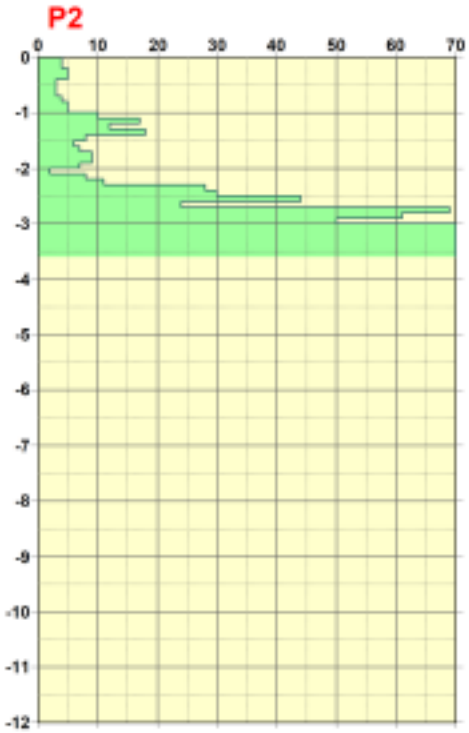
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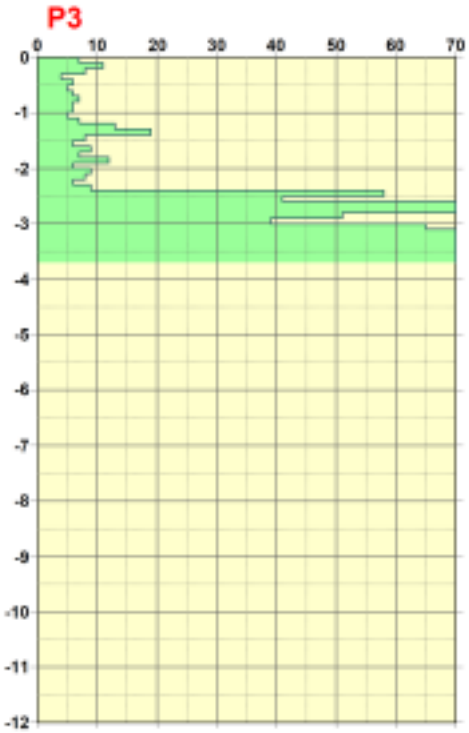
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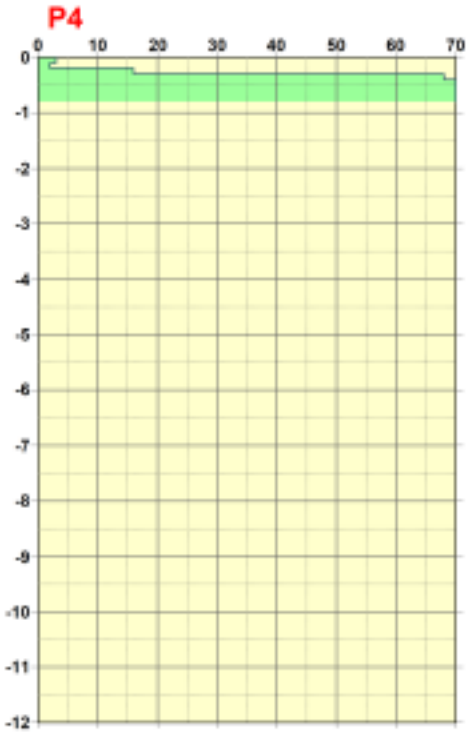
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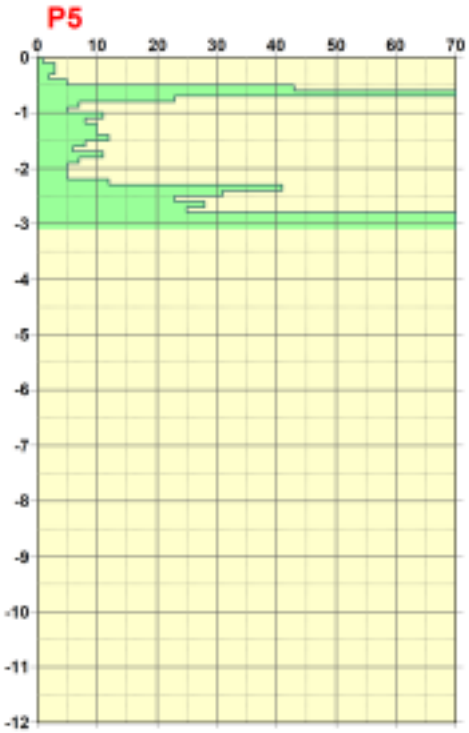
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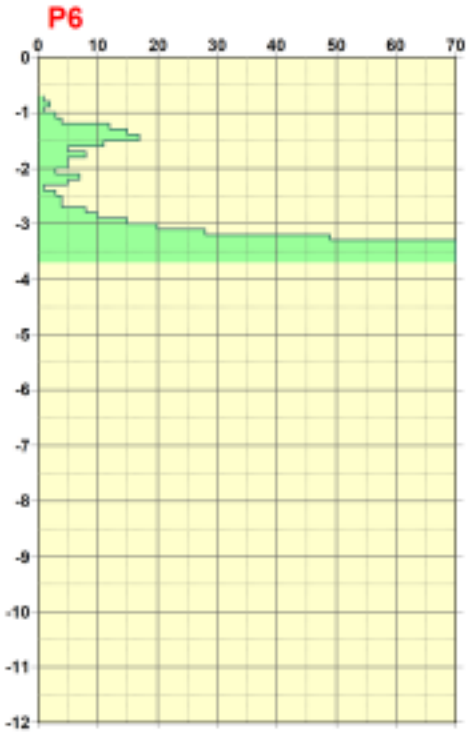
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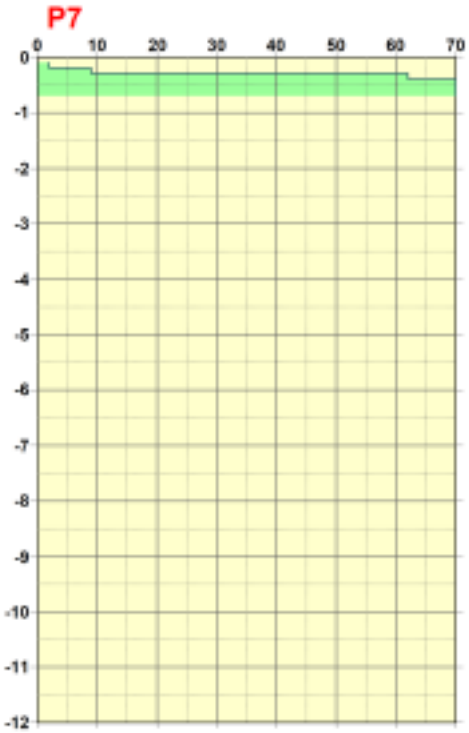
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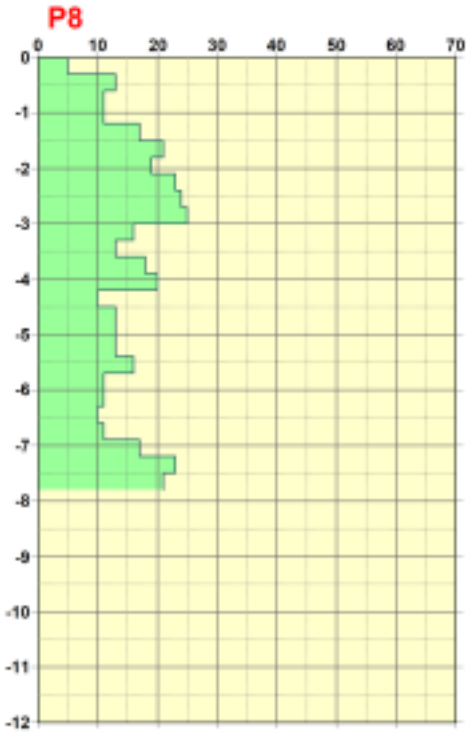
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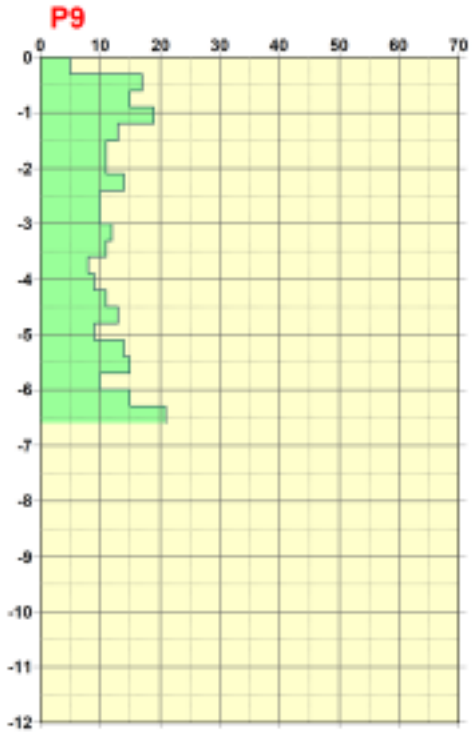
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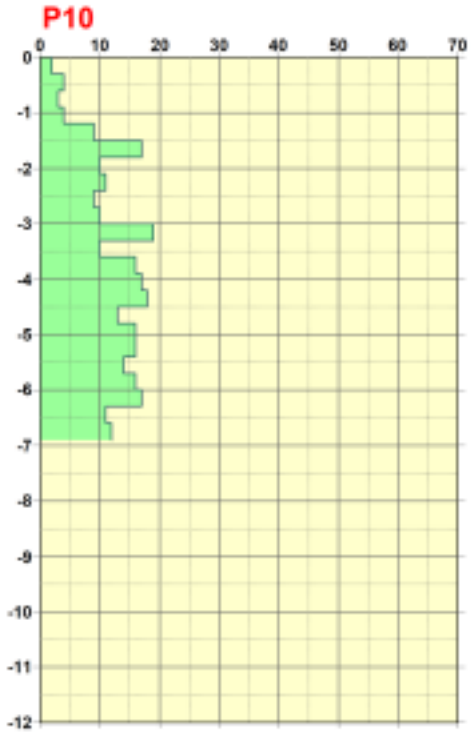
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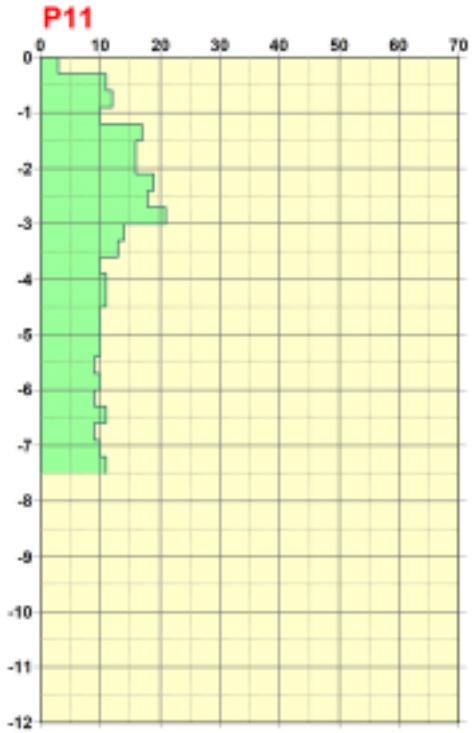
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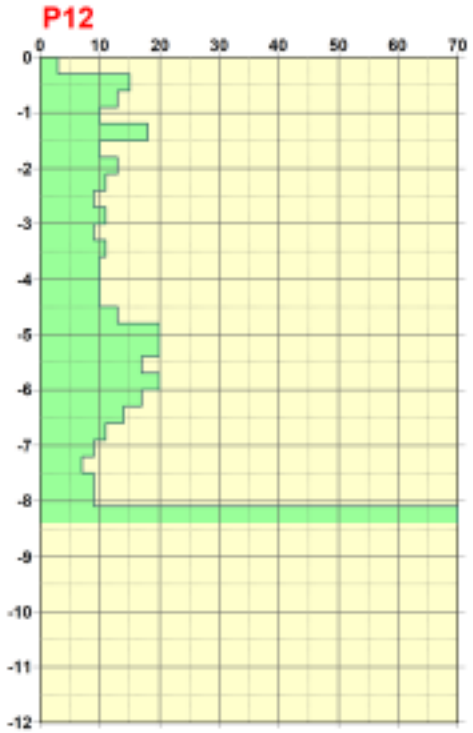
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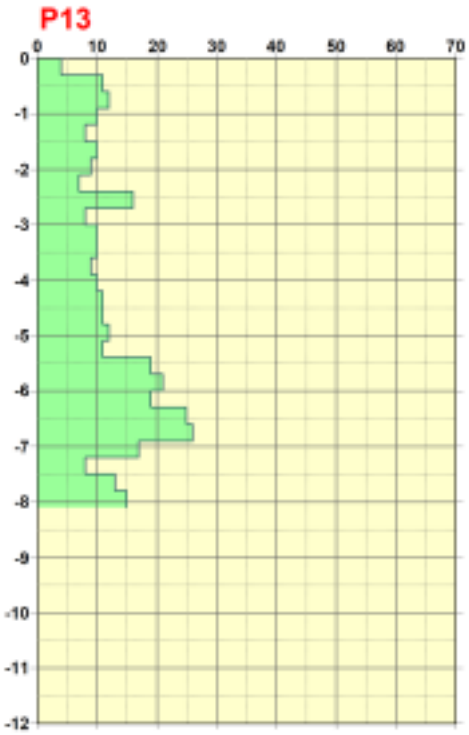
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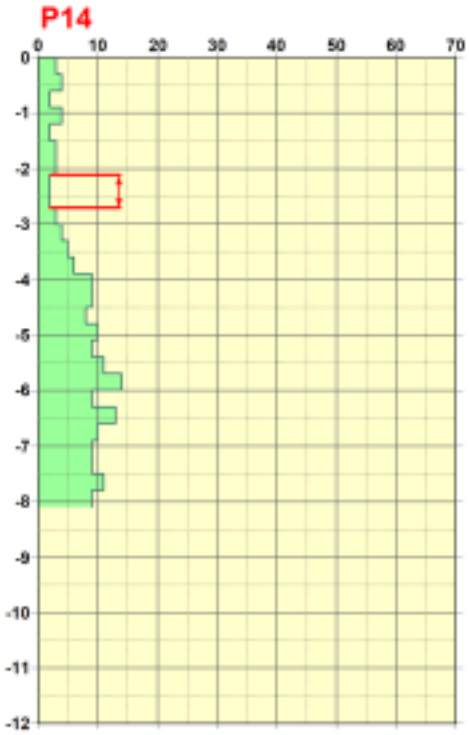
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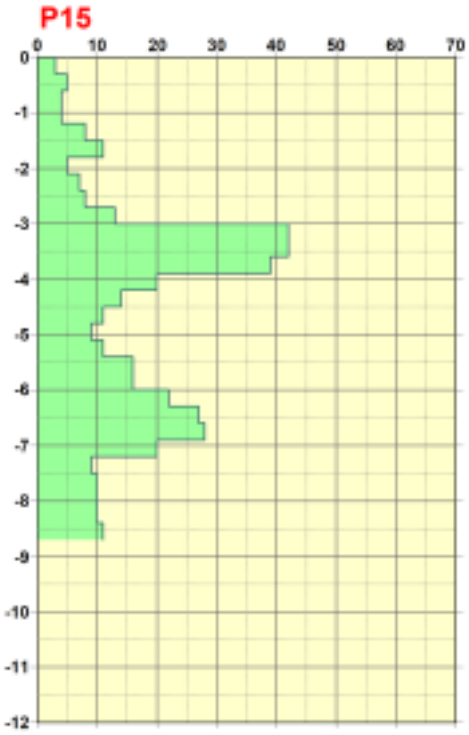
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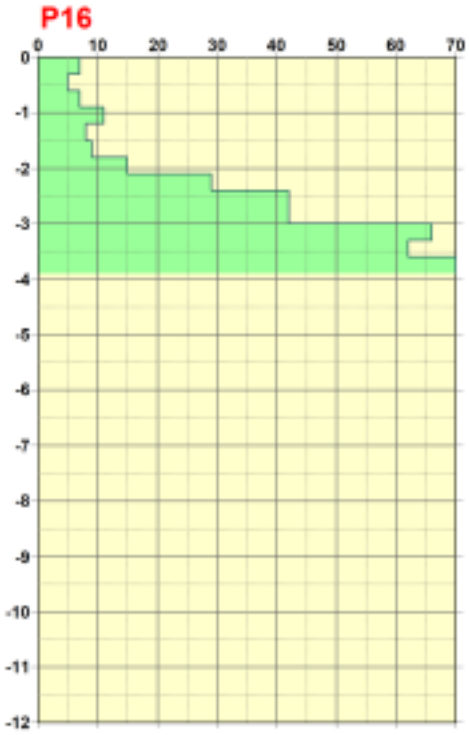
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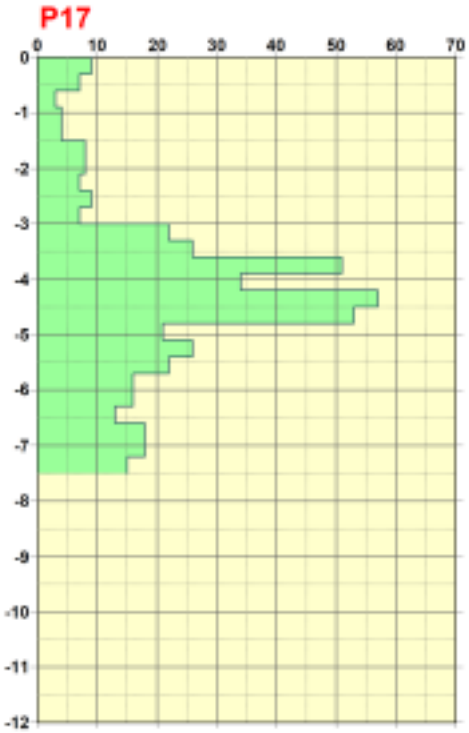
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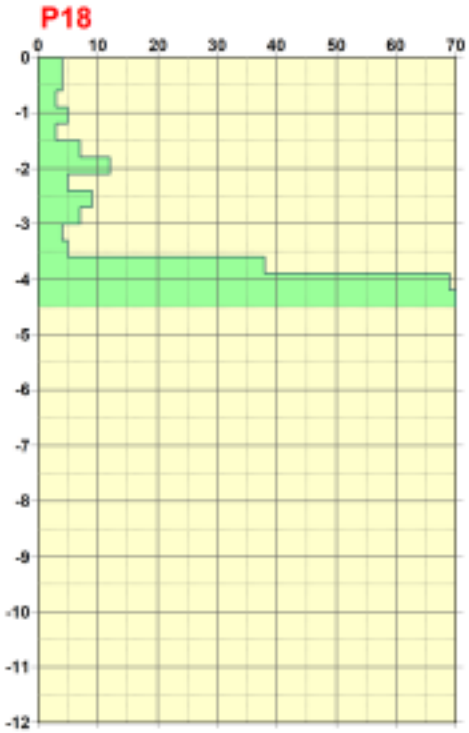
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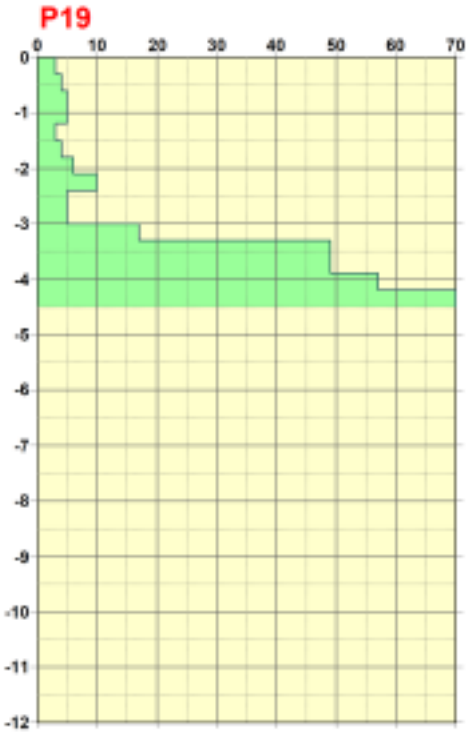
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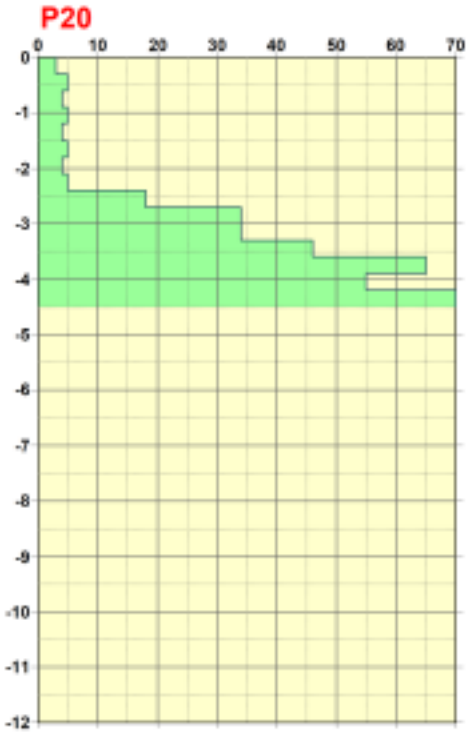
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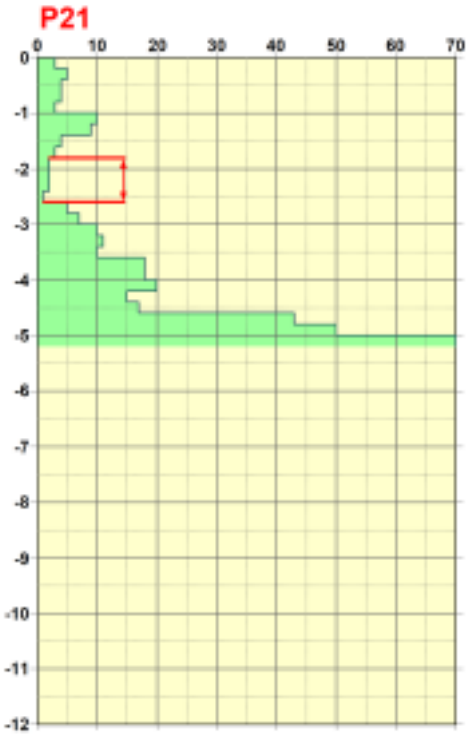
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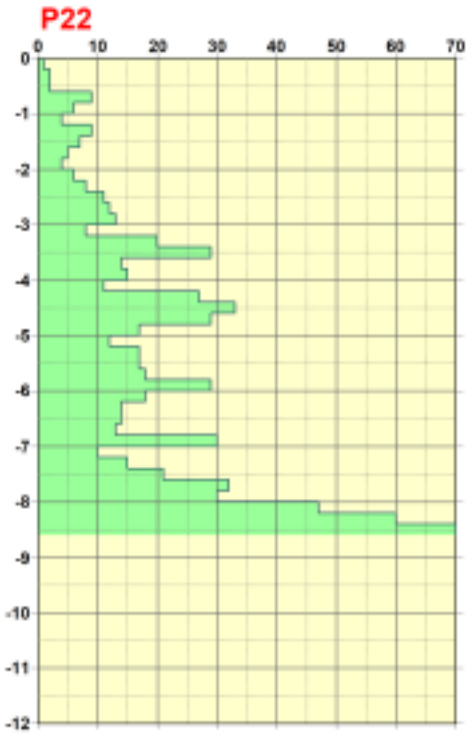
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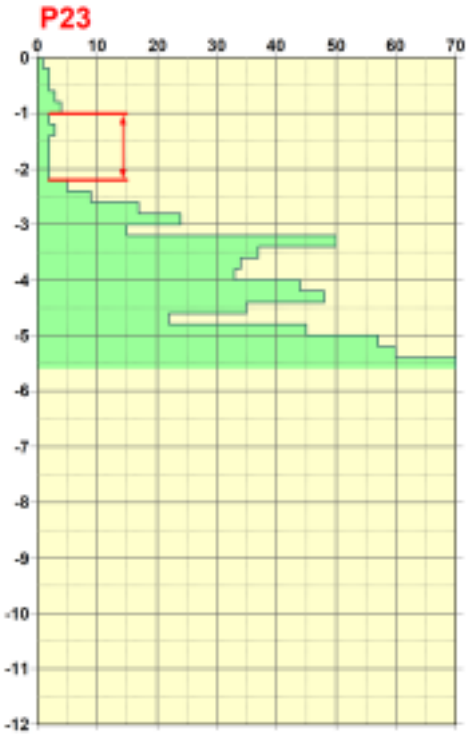
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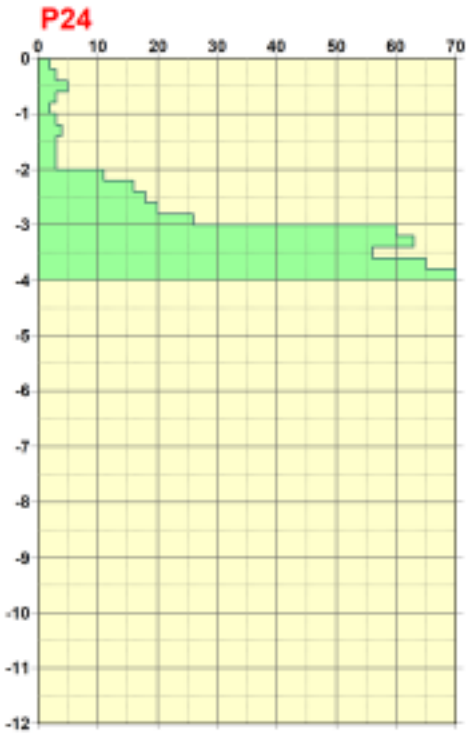
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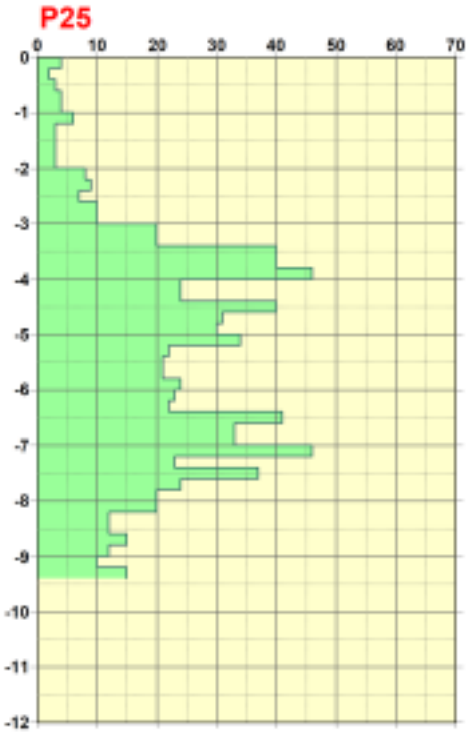
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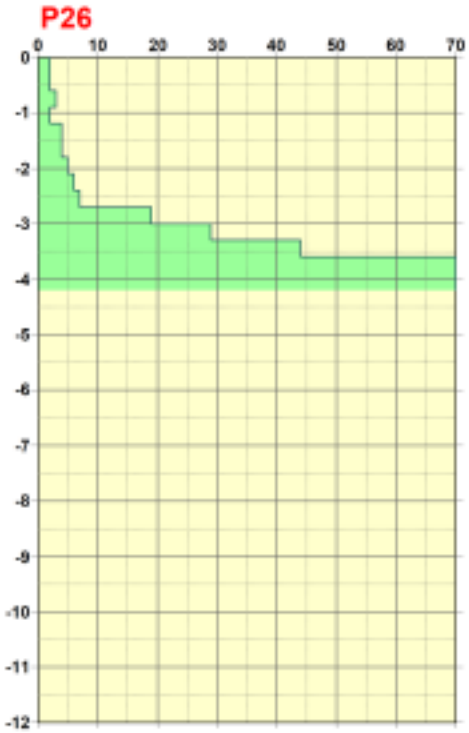
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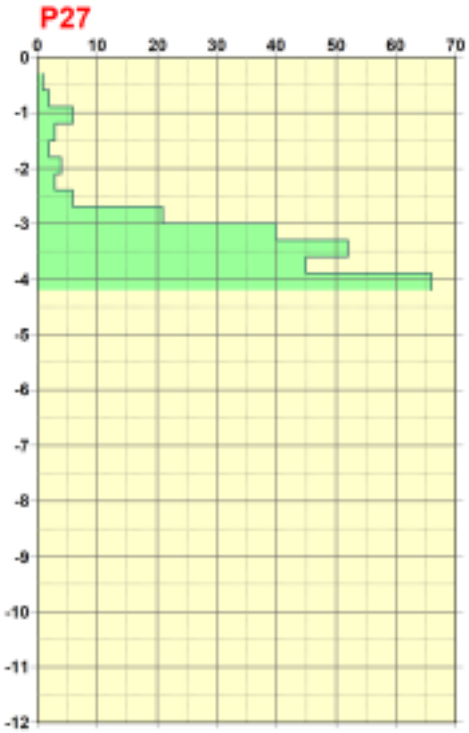
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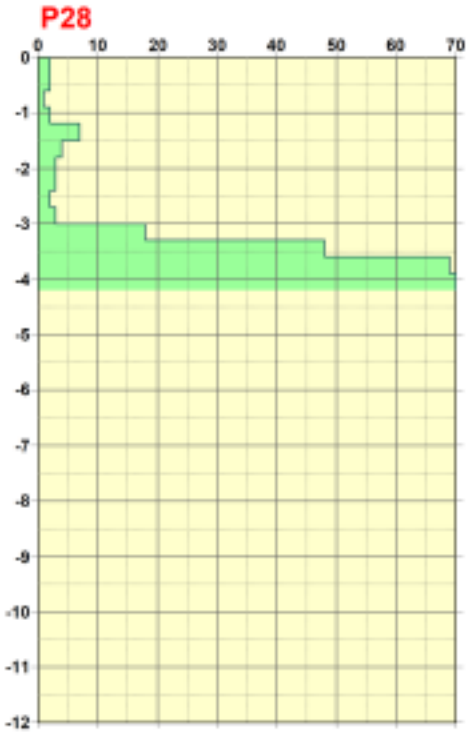
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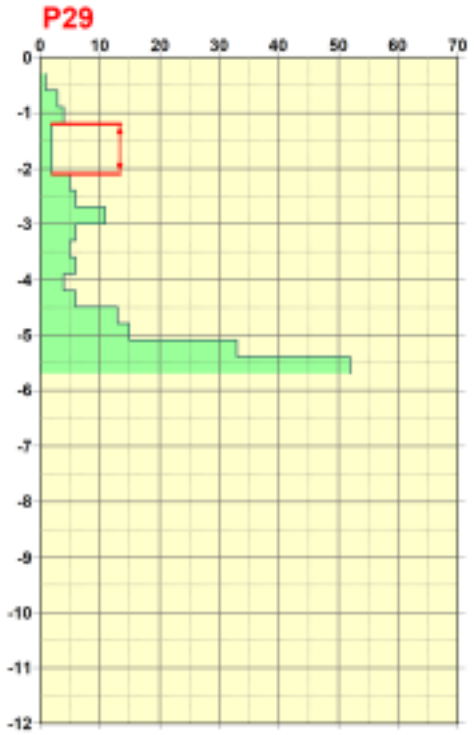
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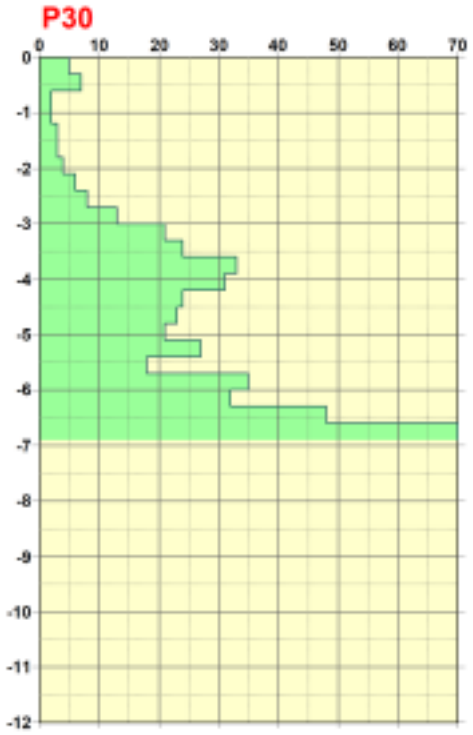
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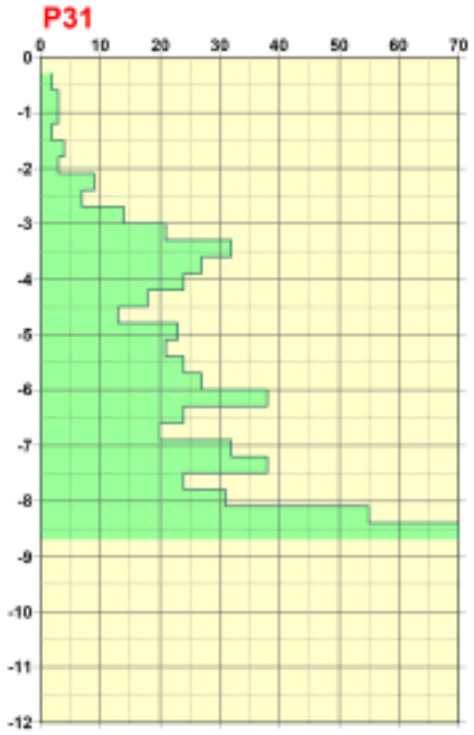
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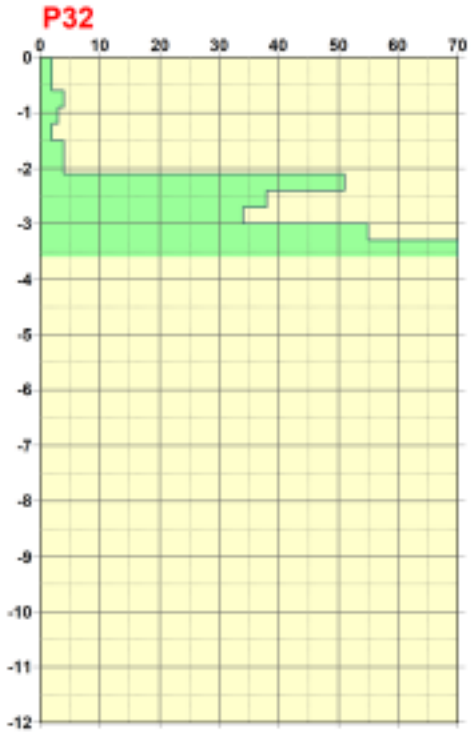
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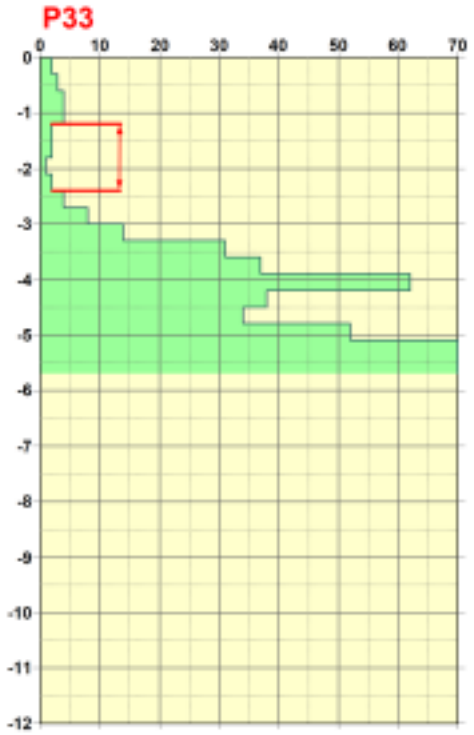
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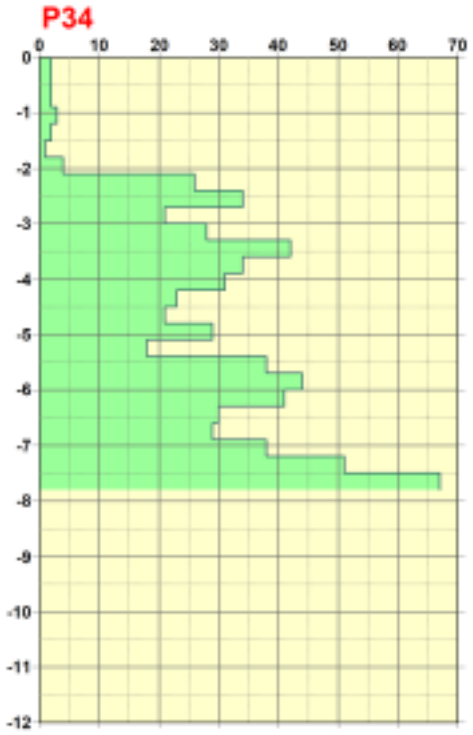
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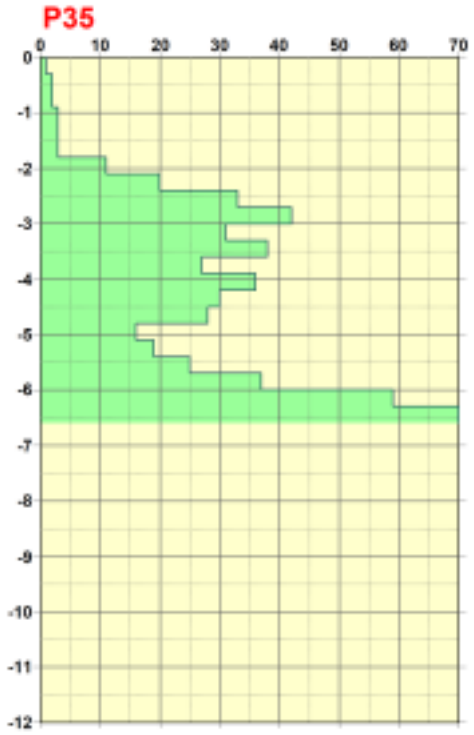
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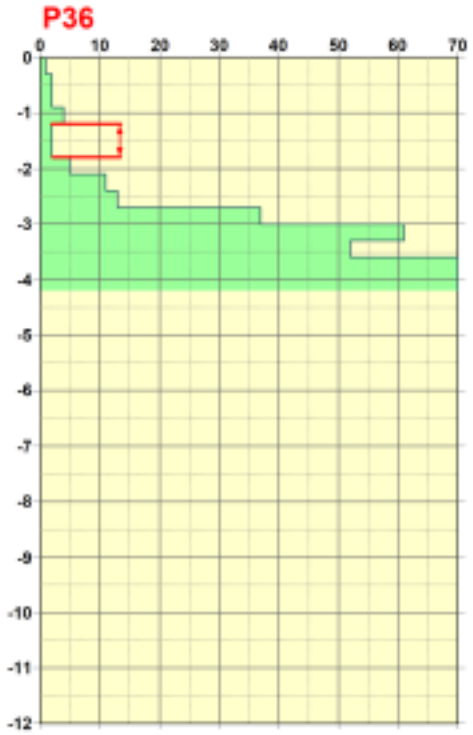
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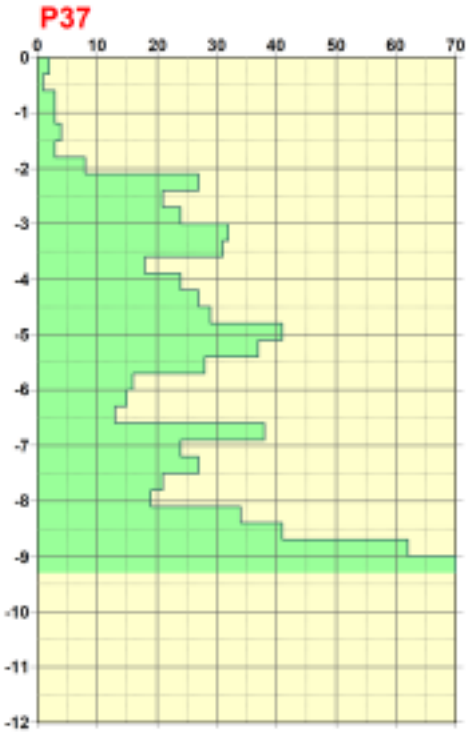
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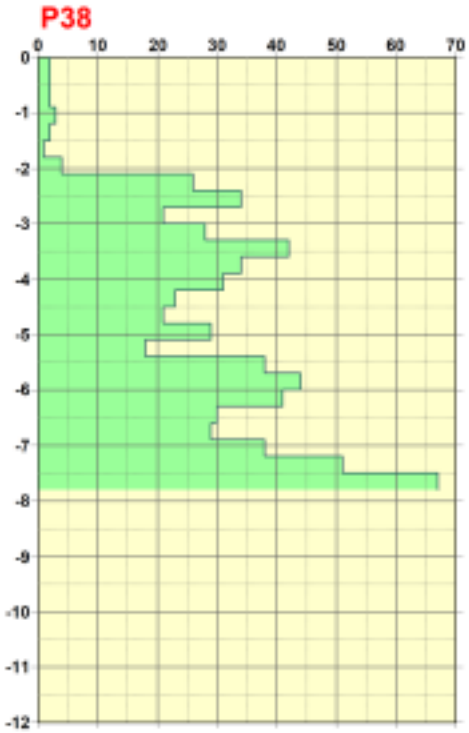
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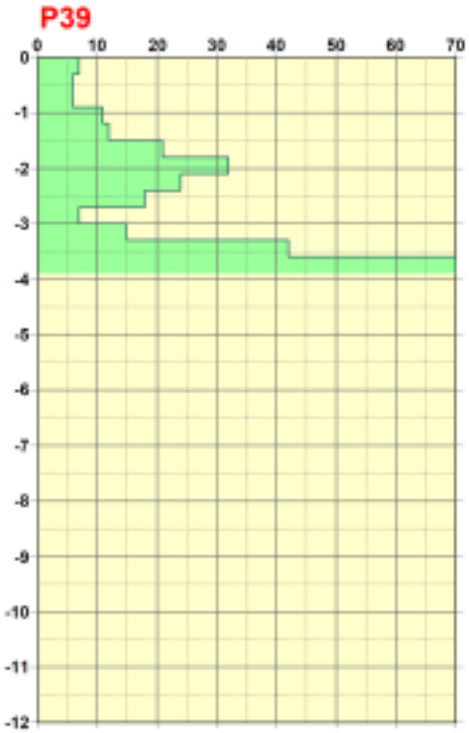
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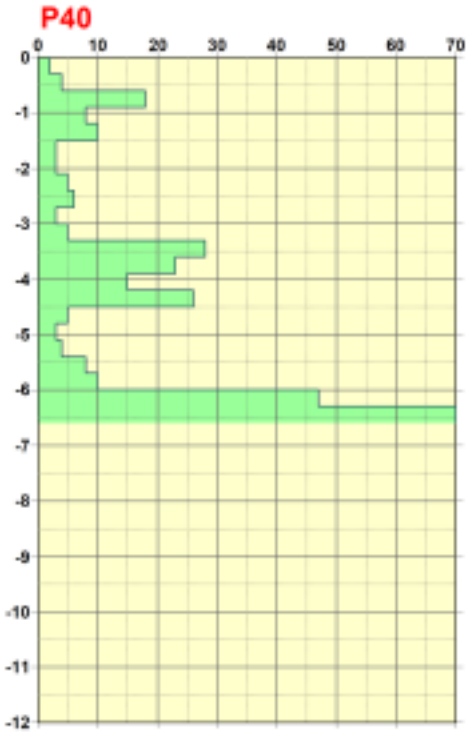
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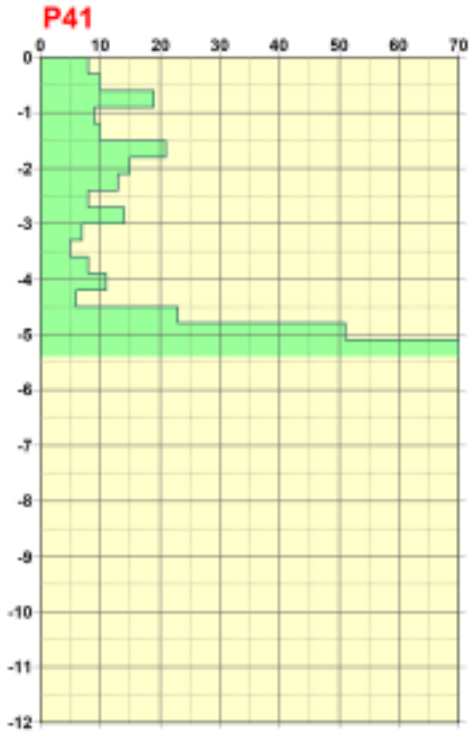
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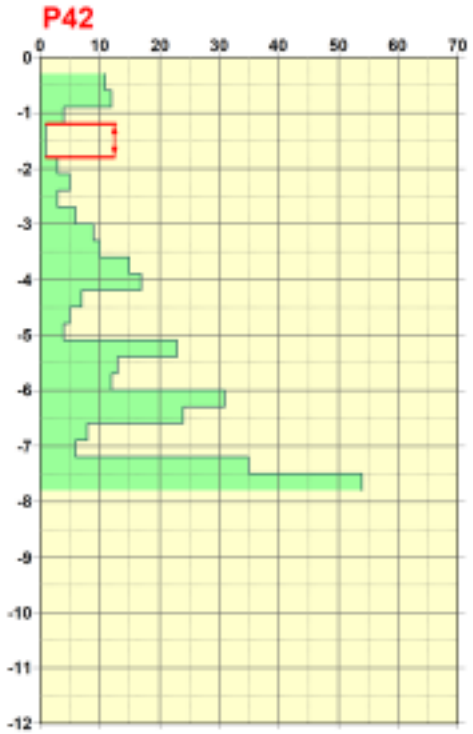
P42
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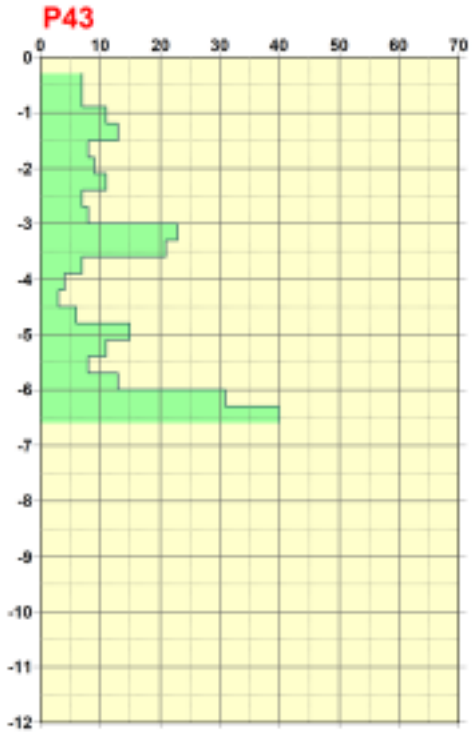
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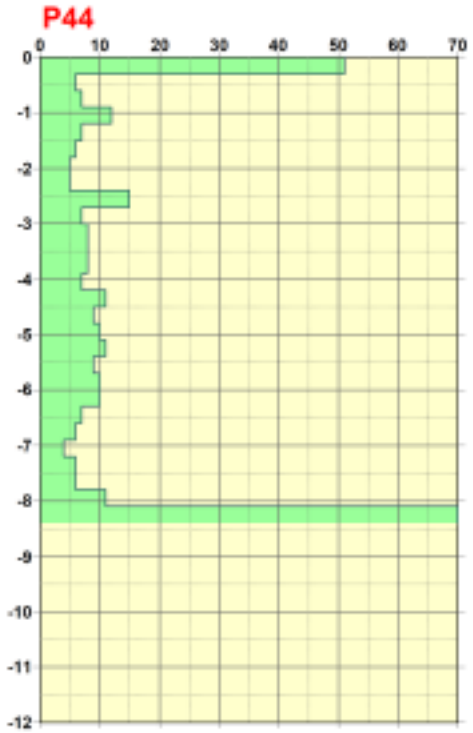
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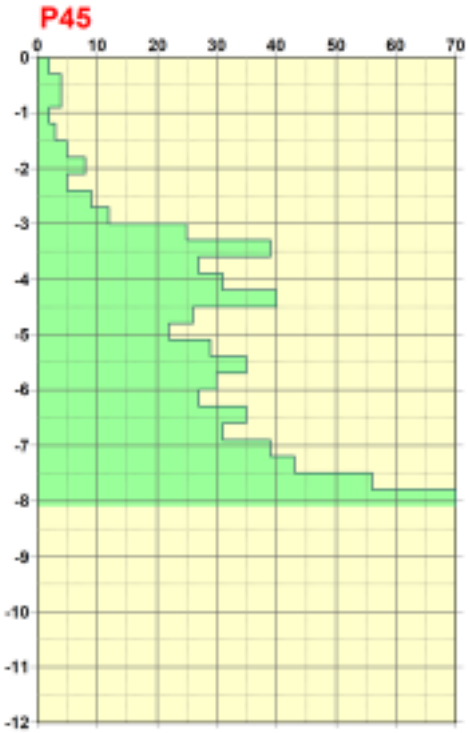
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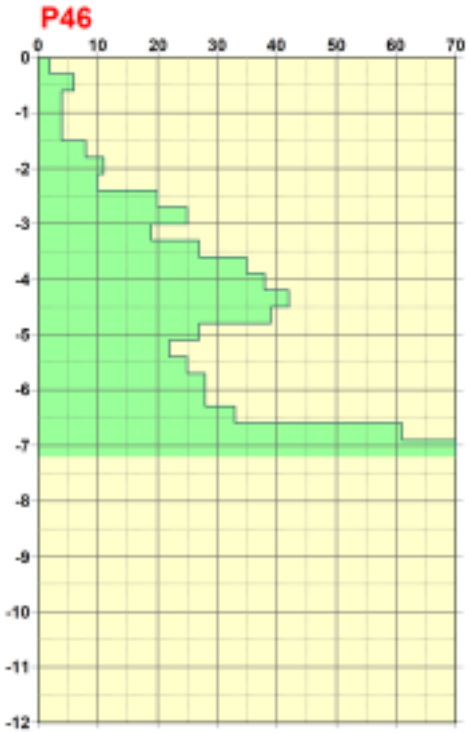
P46
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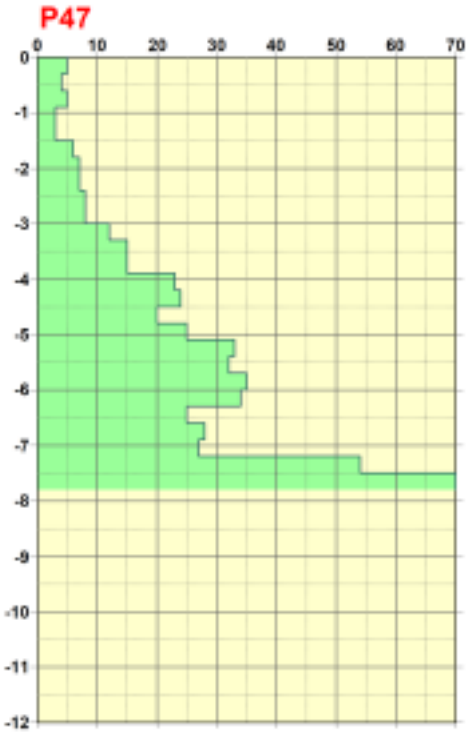
P47
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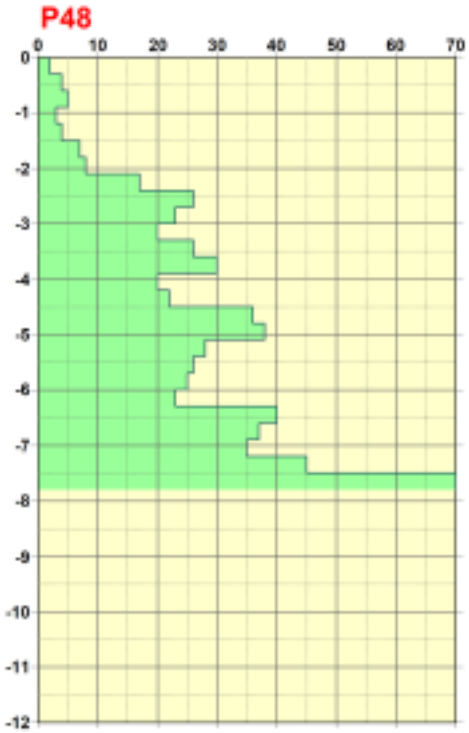
P48
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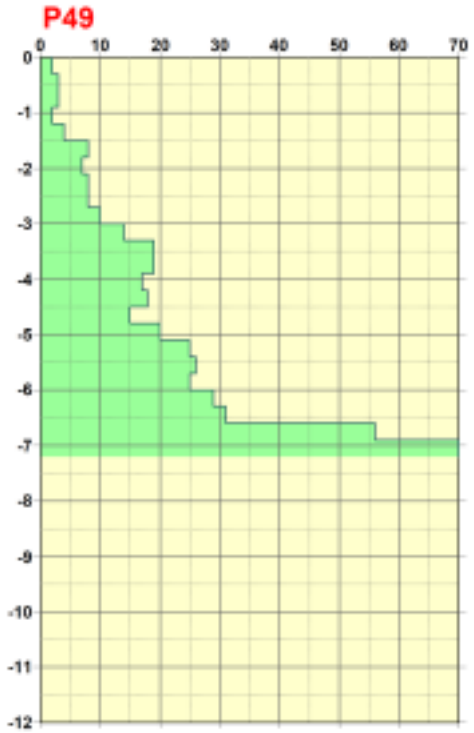
P49
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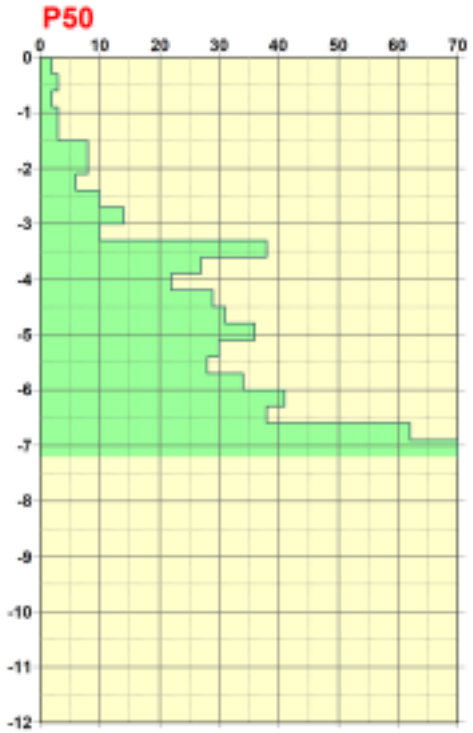
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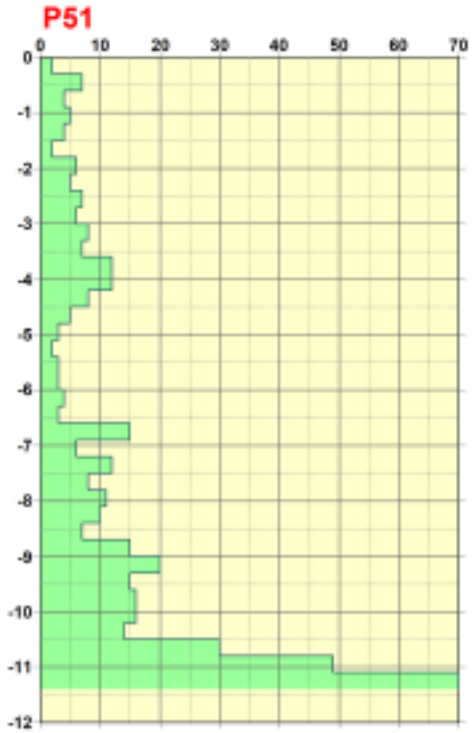
P51
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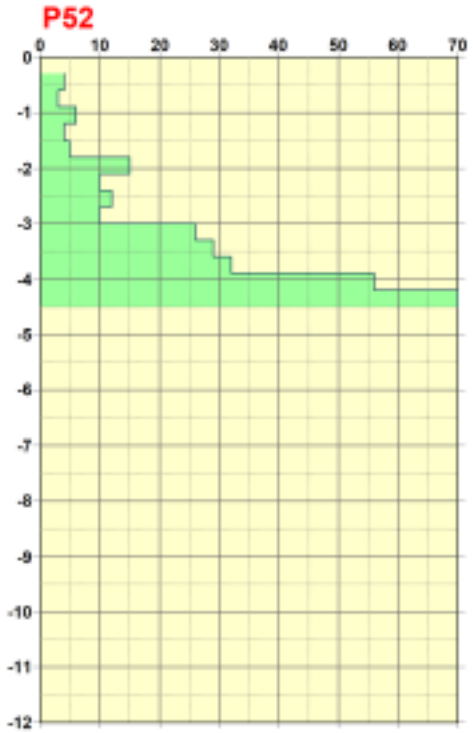
P52
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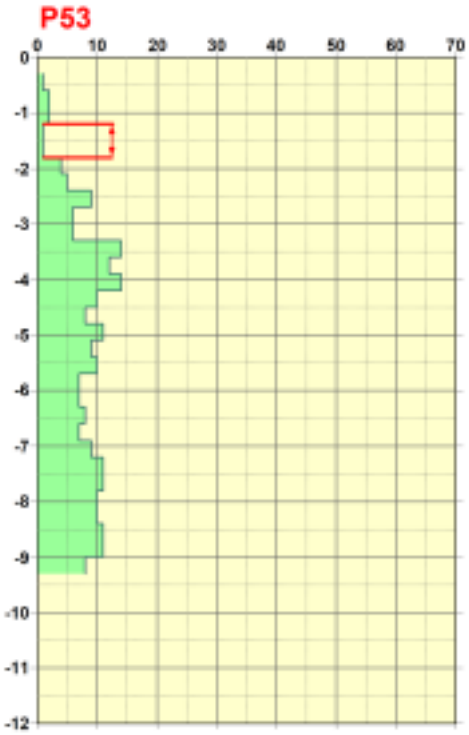
P53
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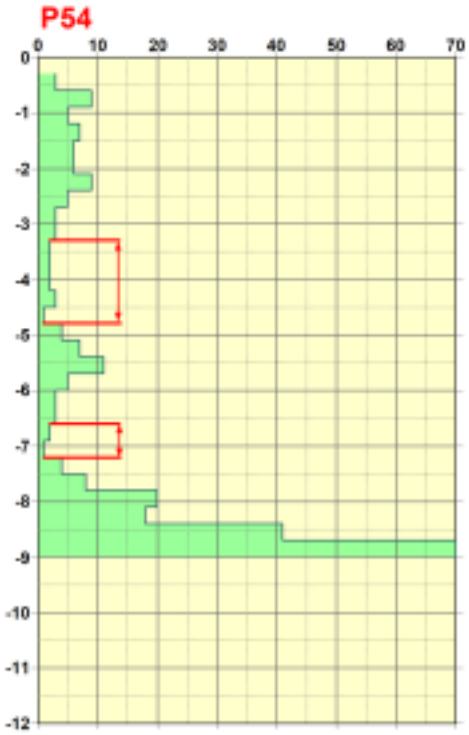
P54
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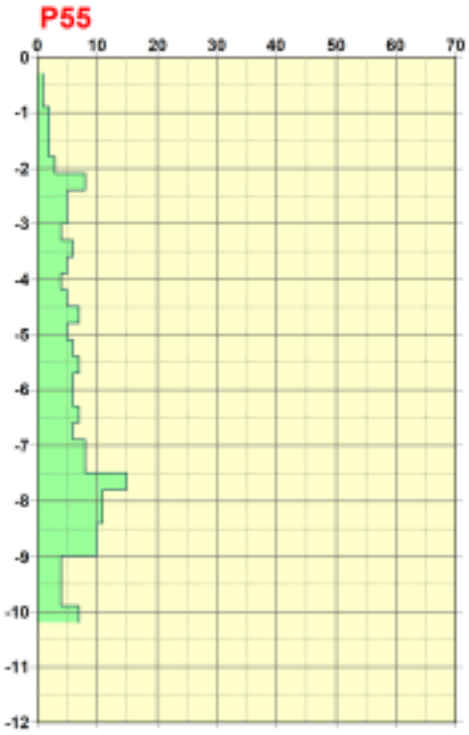
P55
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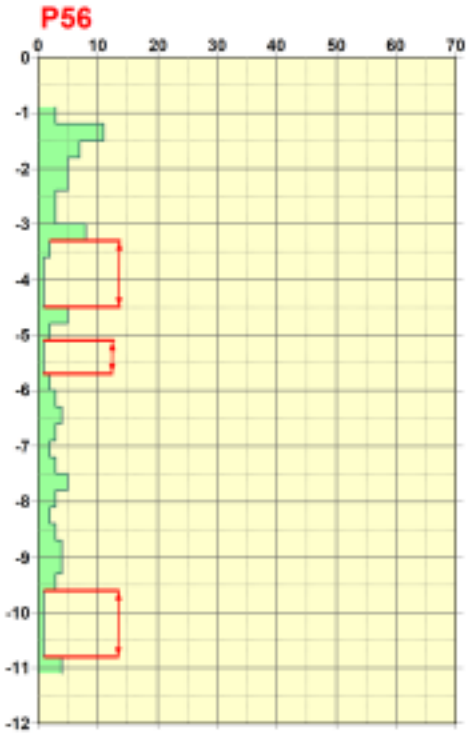
P56
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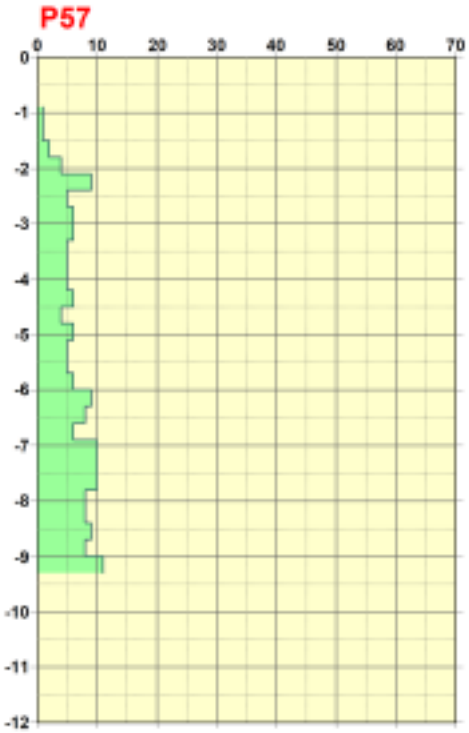
P57
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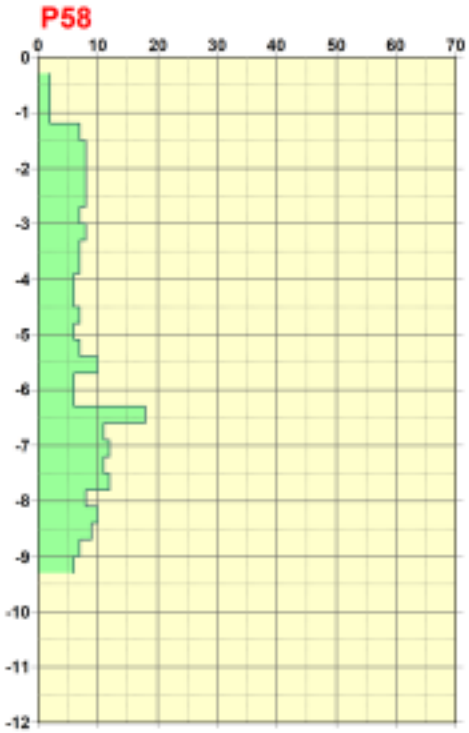
P58
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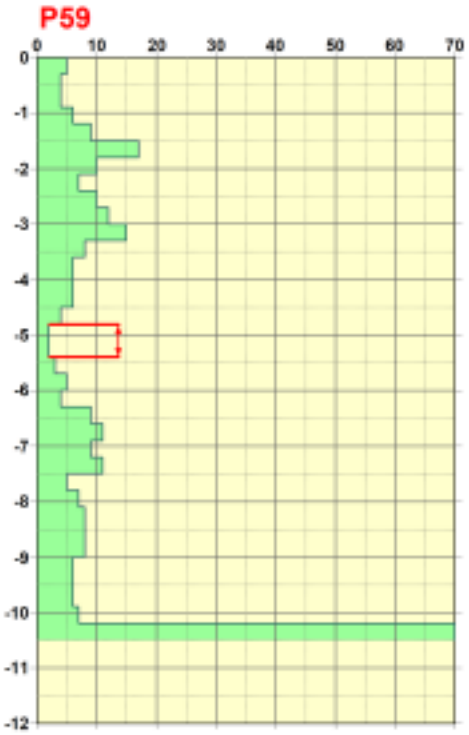
P59
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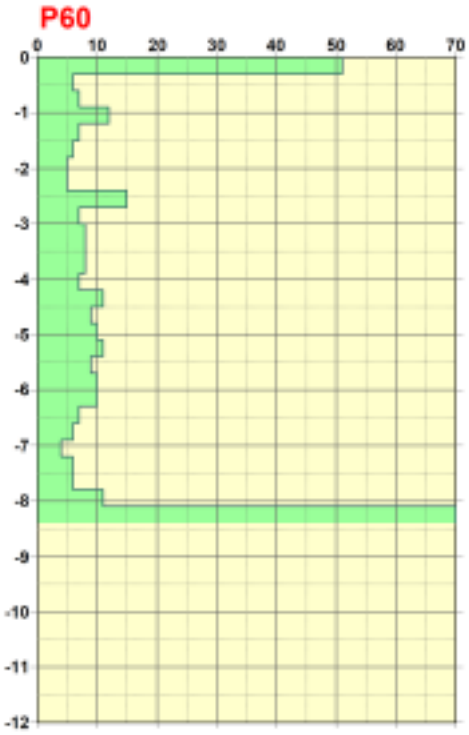
P60
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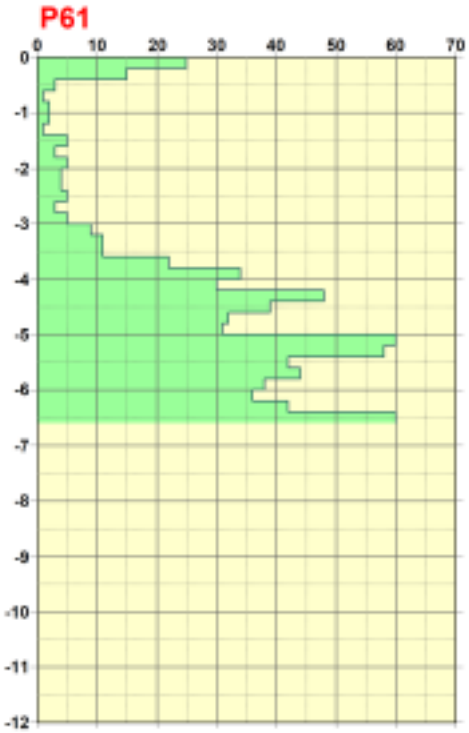
P61
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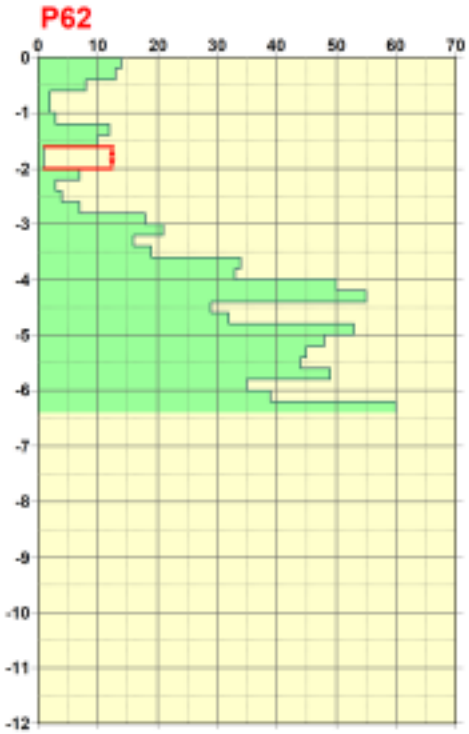
P62
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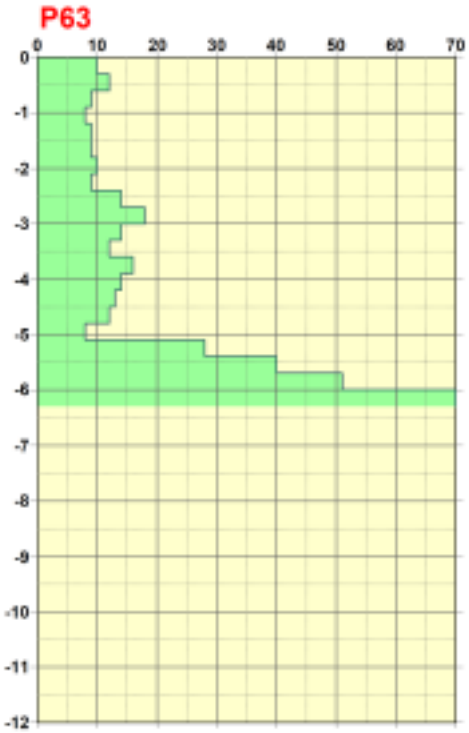
P63
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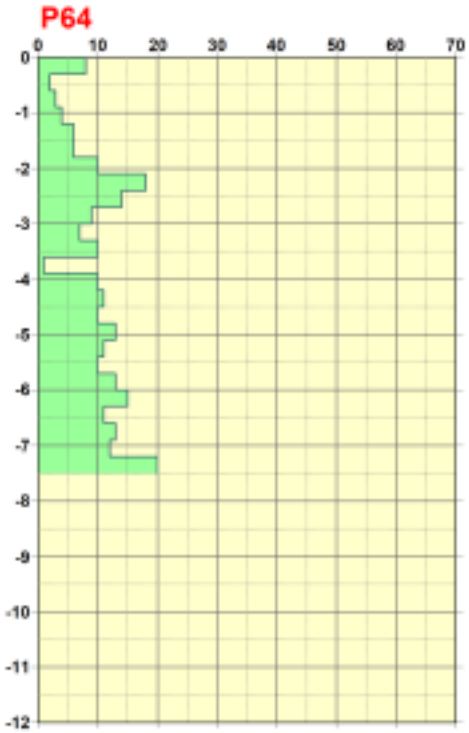
P64
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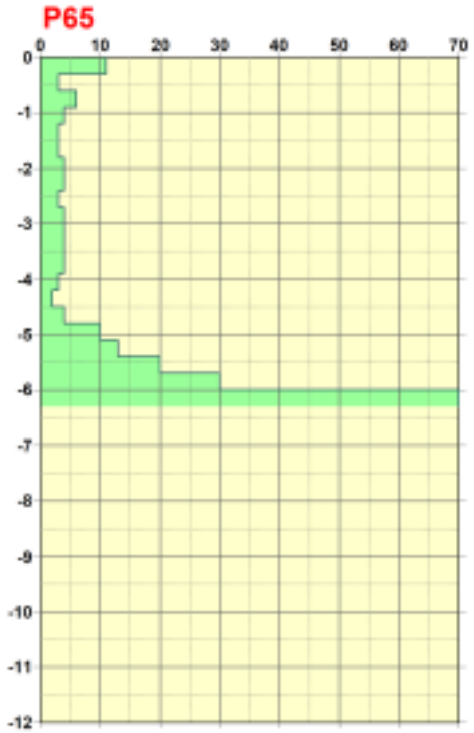
P65
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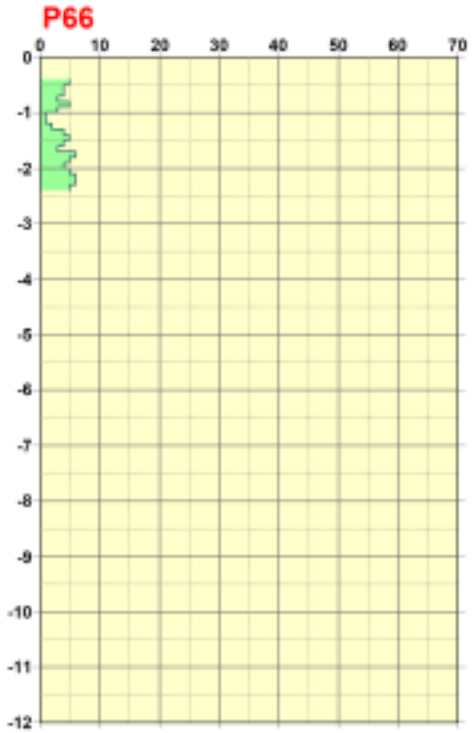
P66
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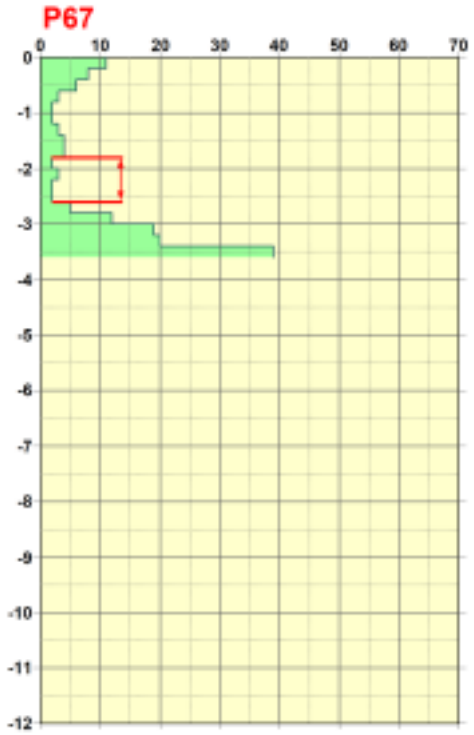
P67
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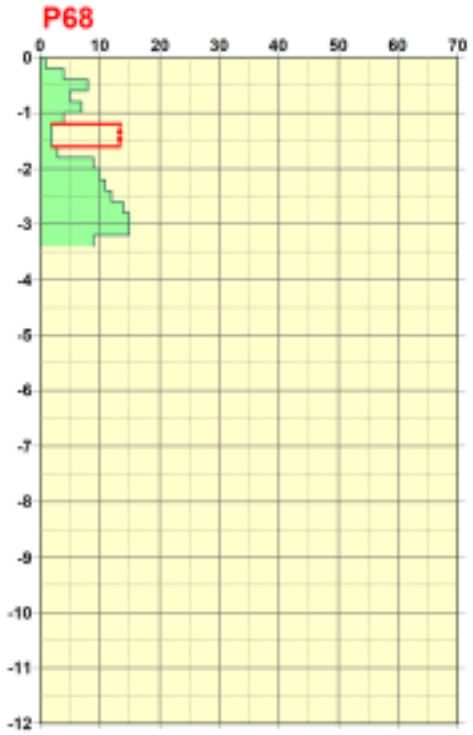
P68
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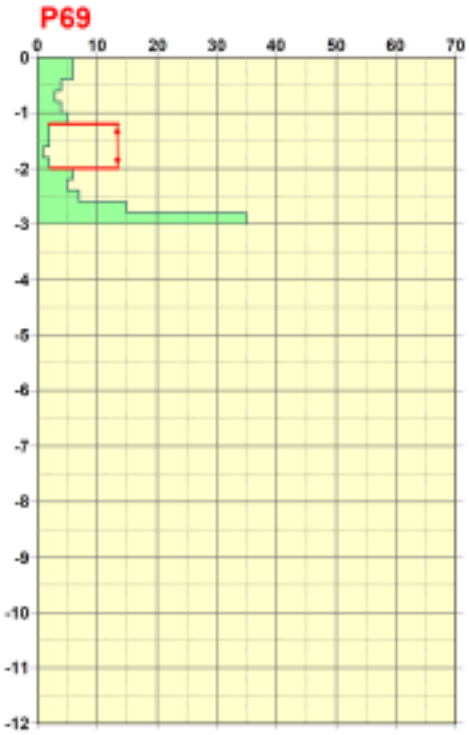
P69
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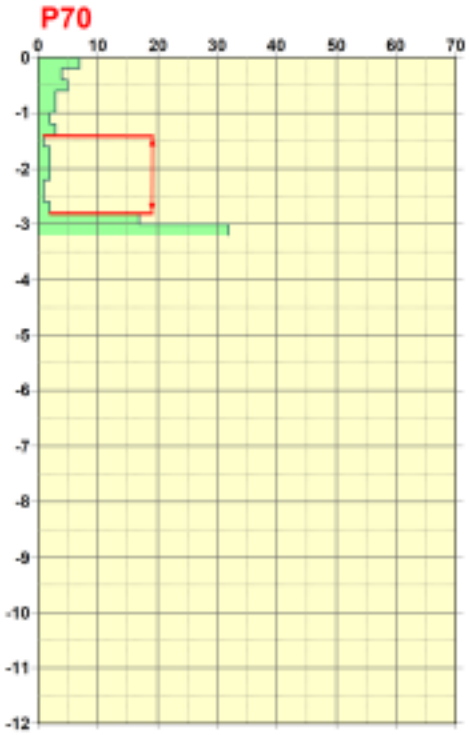
P70
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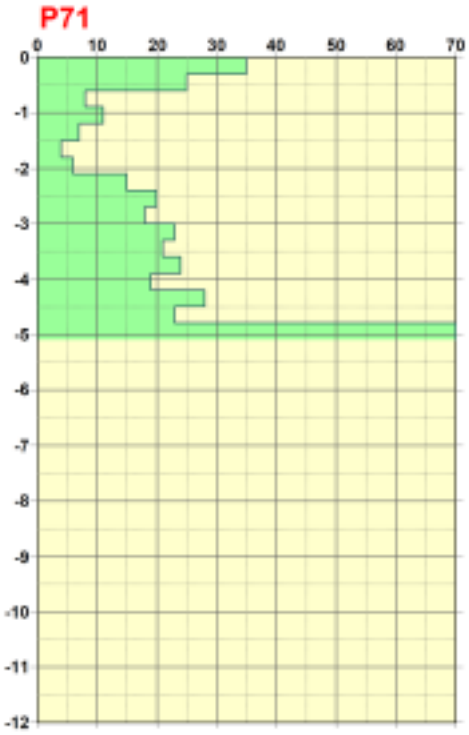
P71
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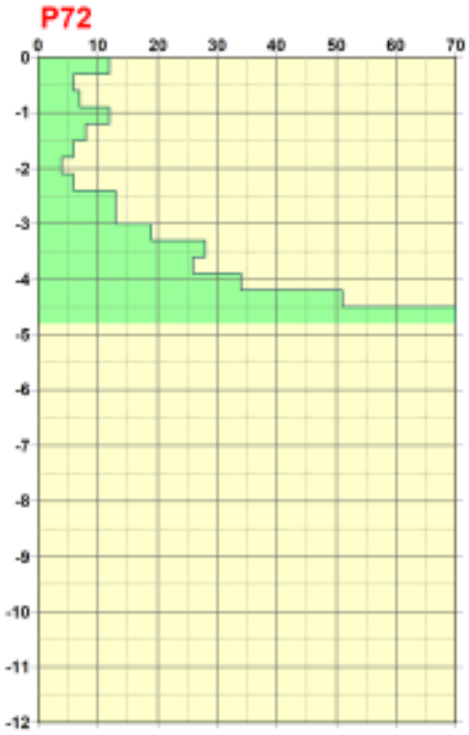
P72
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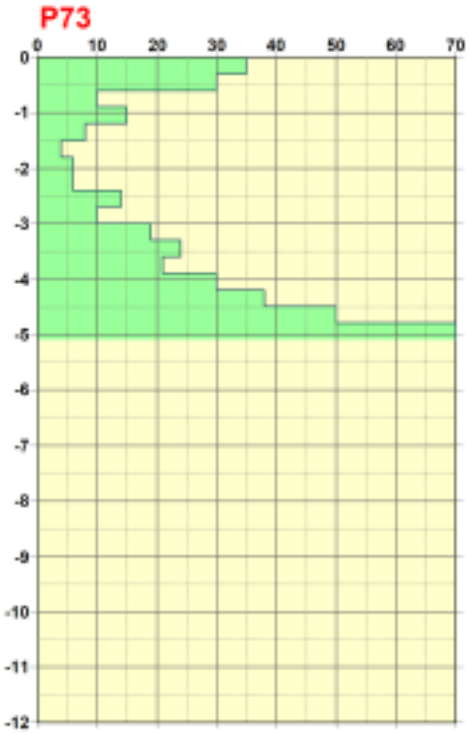
P73
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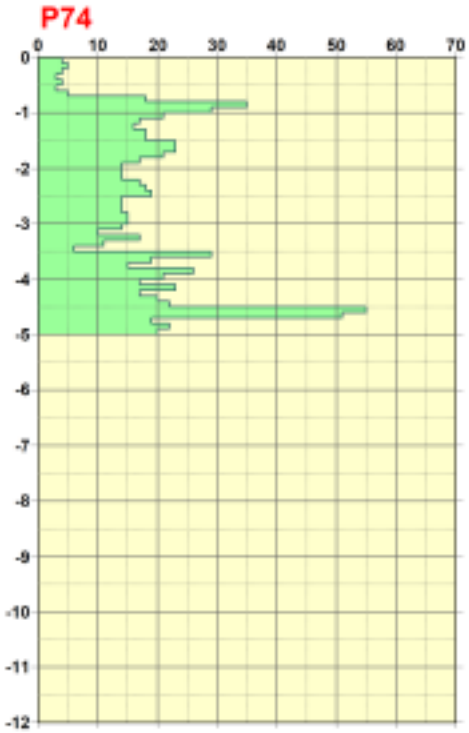
P74
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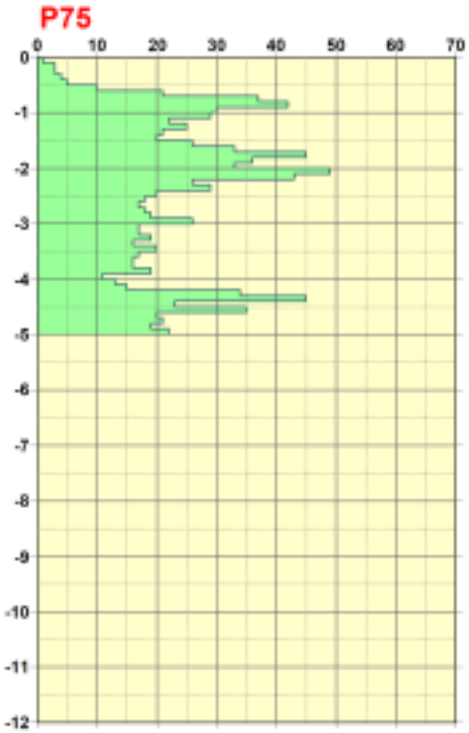
P75
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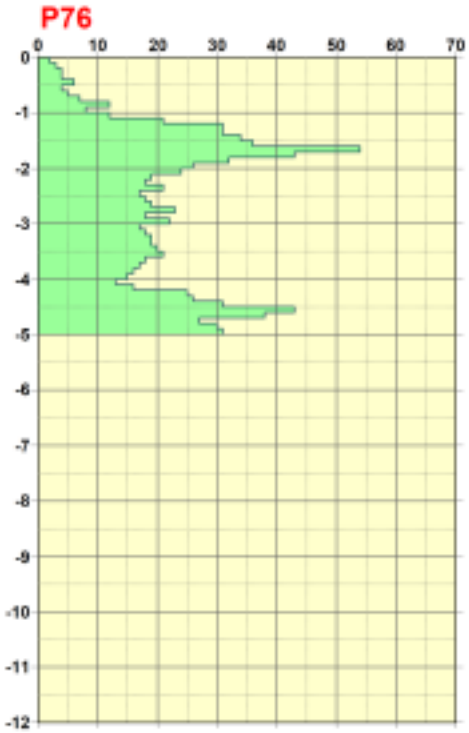
P76
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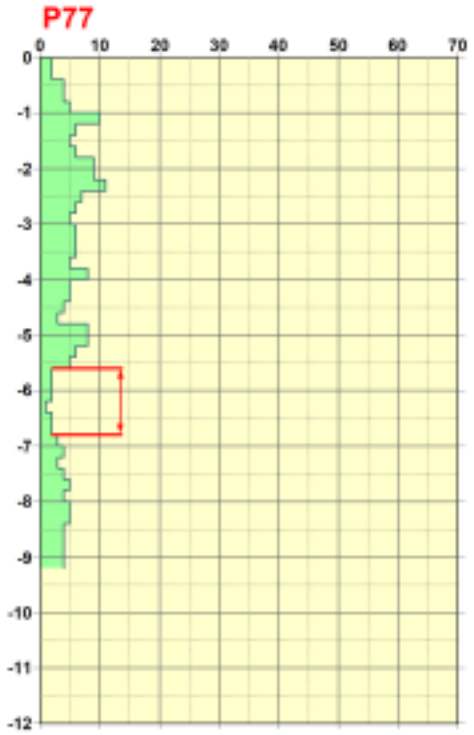
P77
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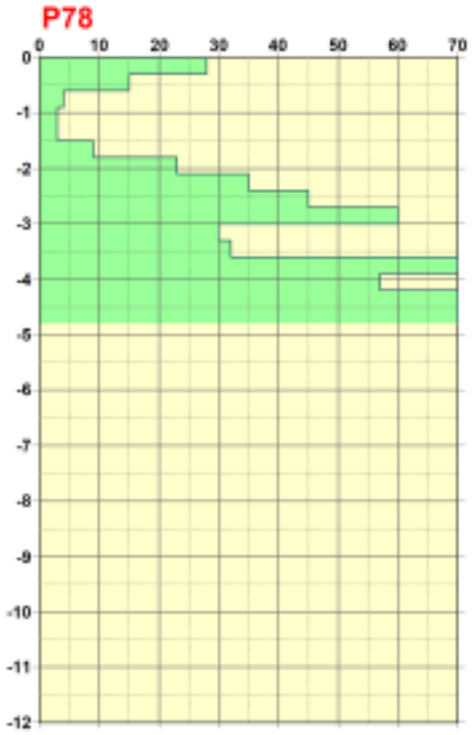
P78
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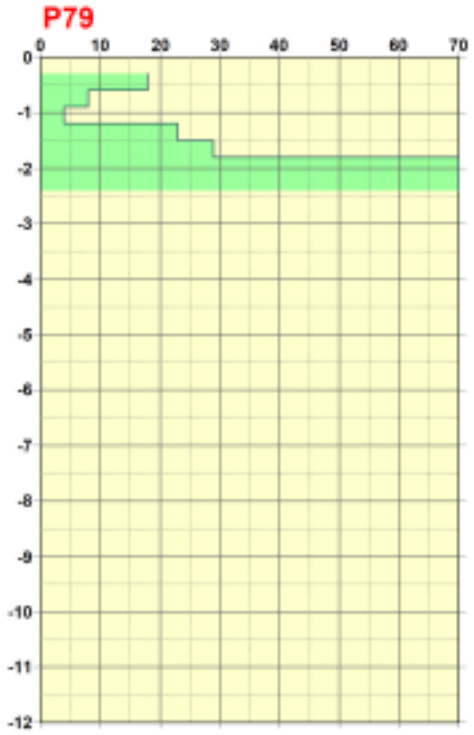
0 -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12


P79
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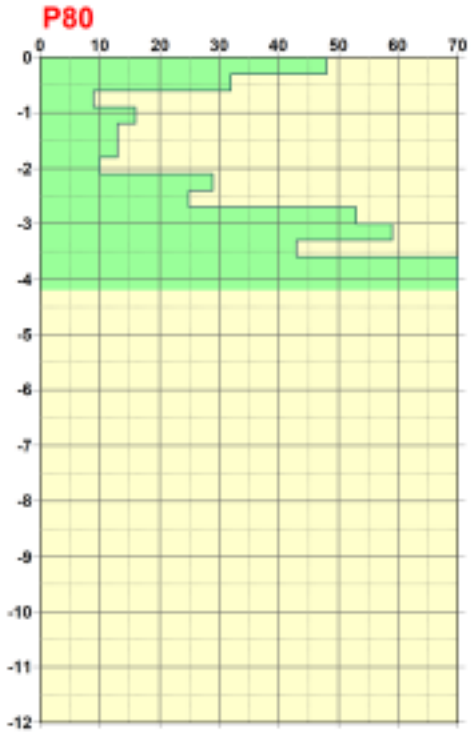
P80
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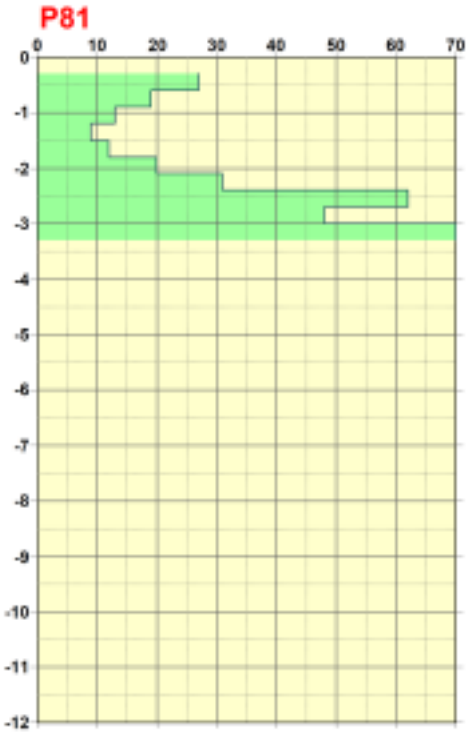
P81
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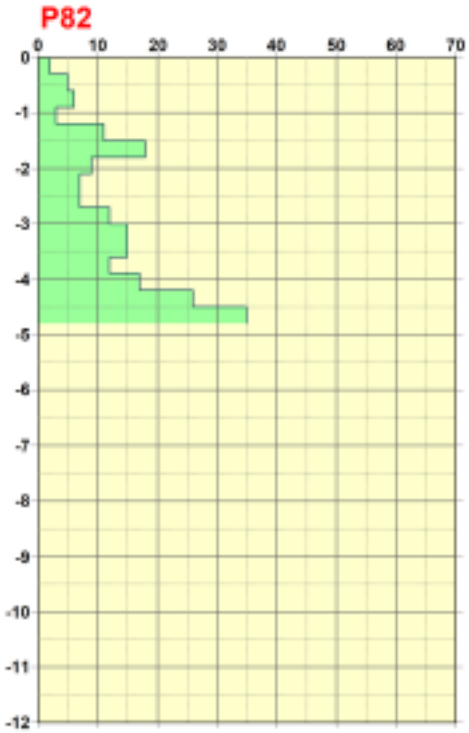
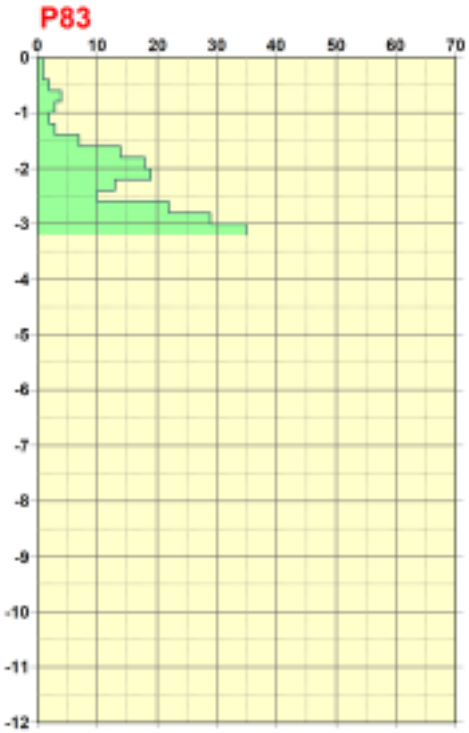

P82
0 10 20 30 40 50 60 70
0 -1 -2 -3 -4 -5 -6 -7 -8 -9 -10 -11 -12


P83
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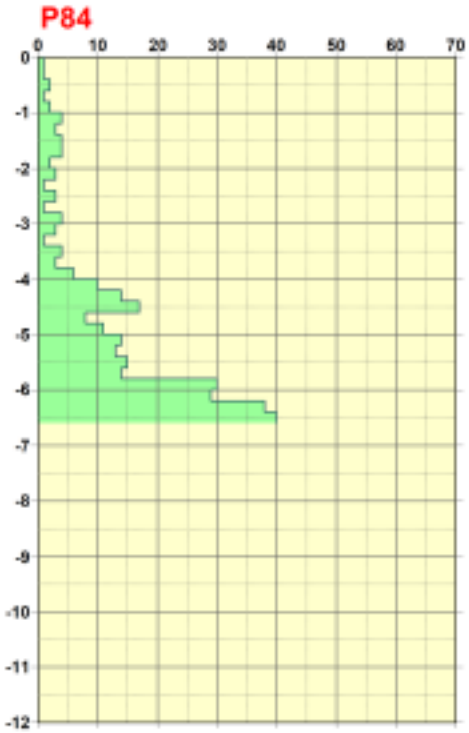
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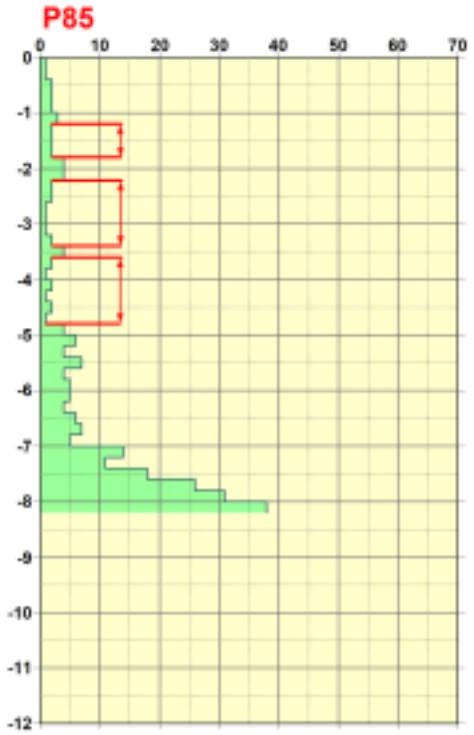
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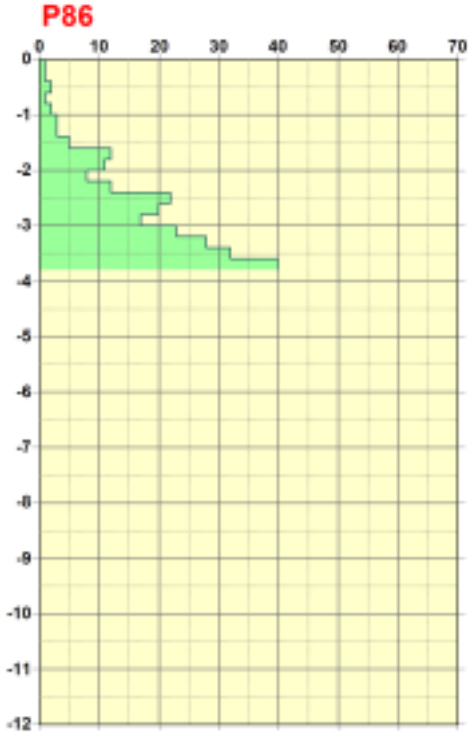
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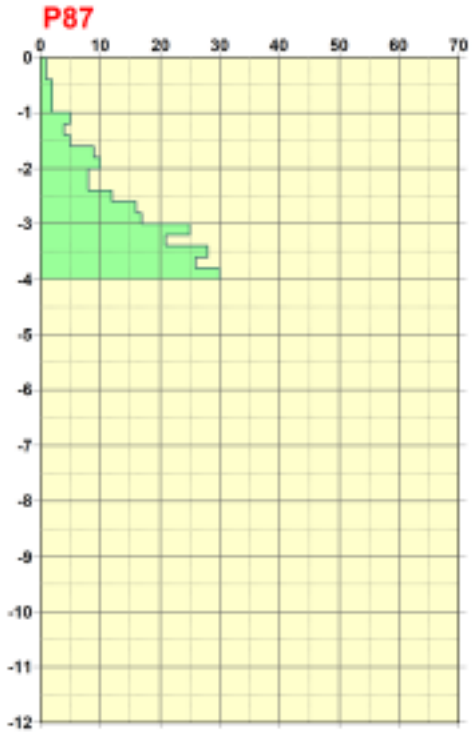
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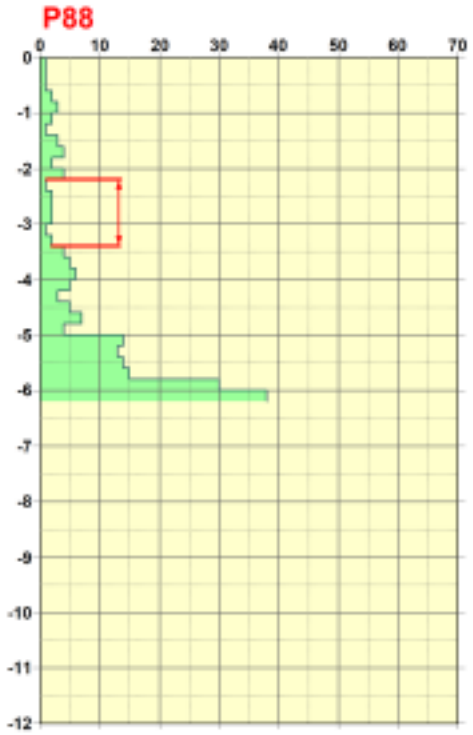
P88
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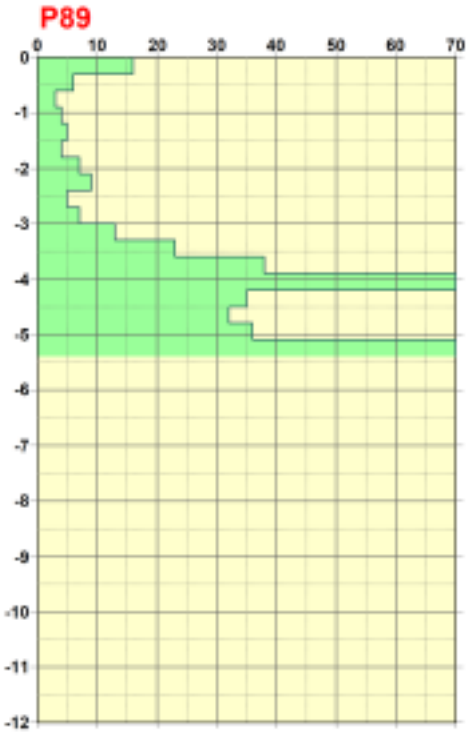
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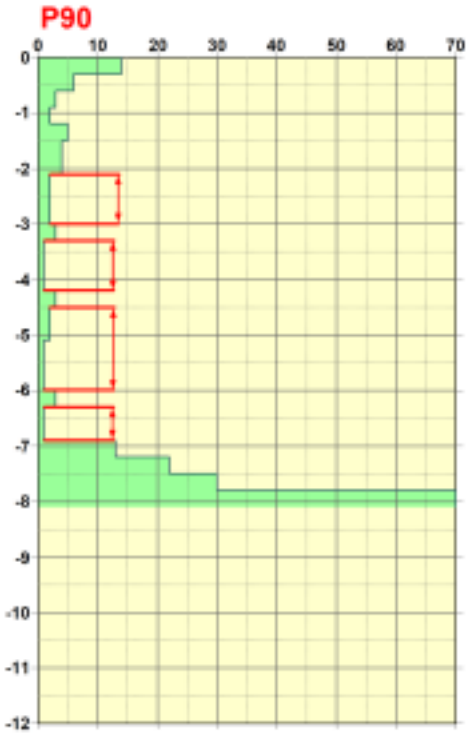
P90
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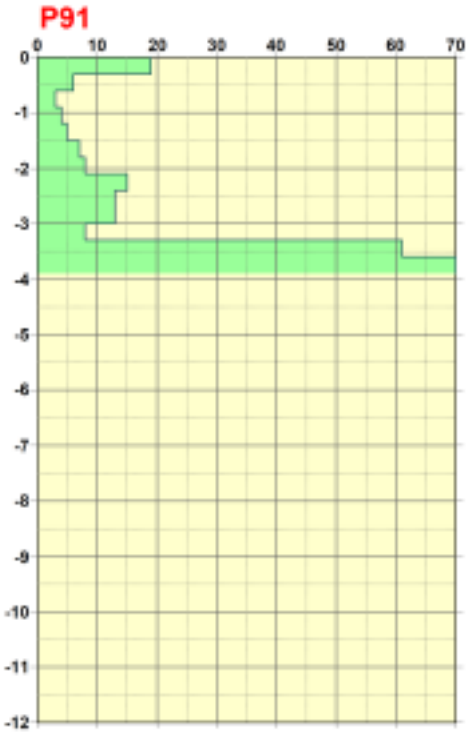
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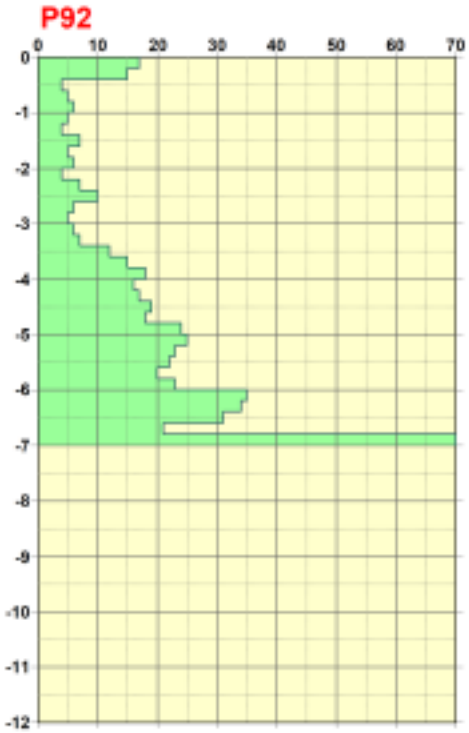
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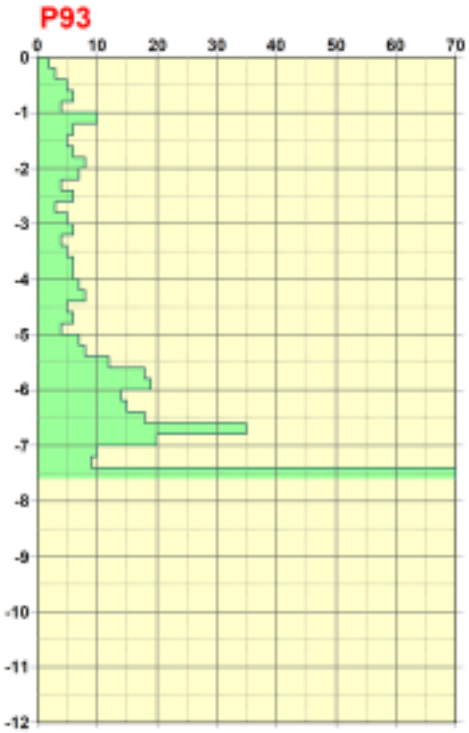
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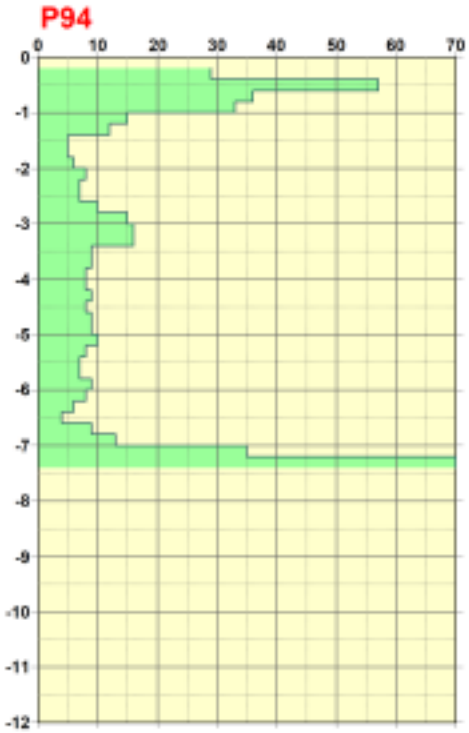
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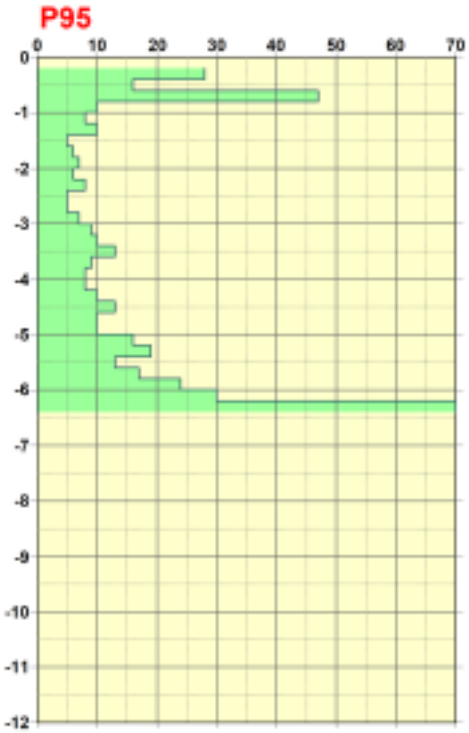
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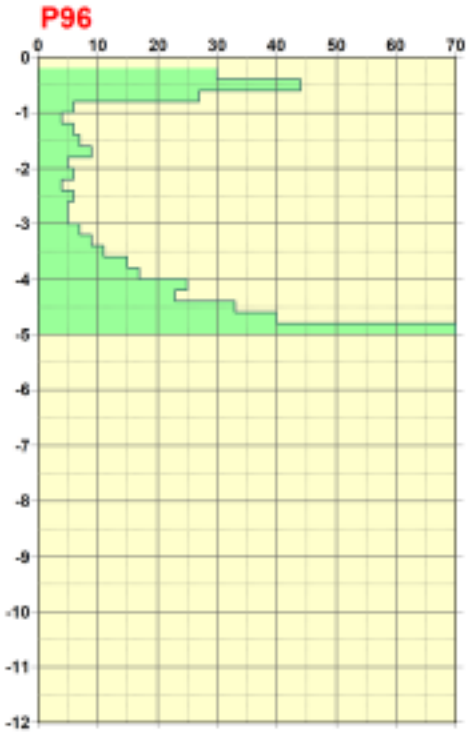
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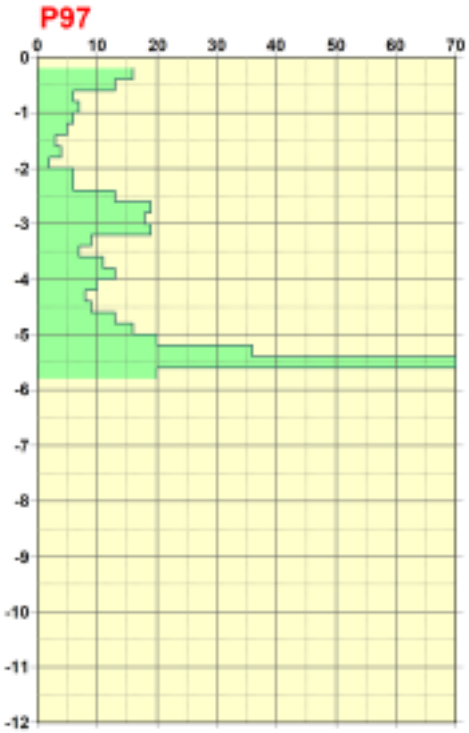
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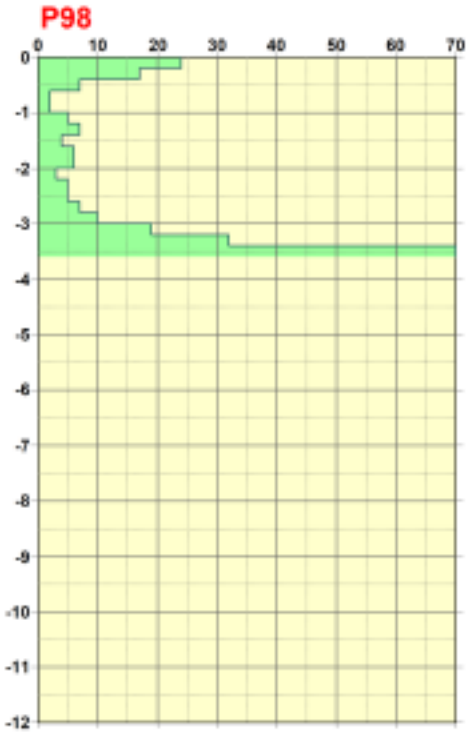
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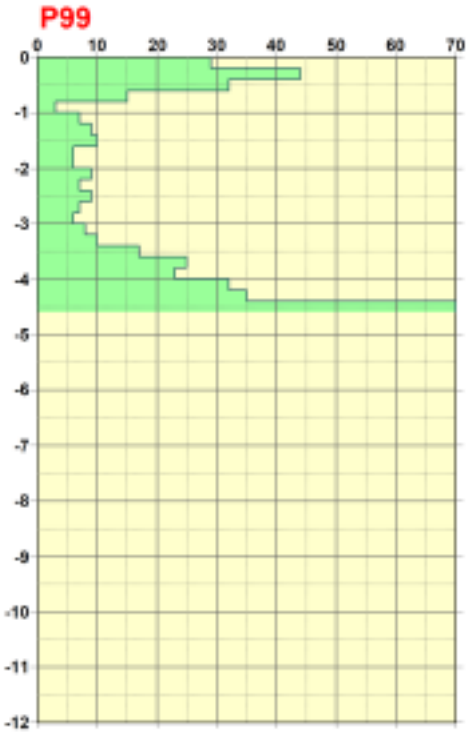
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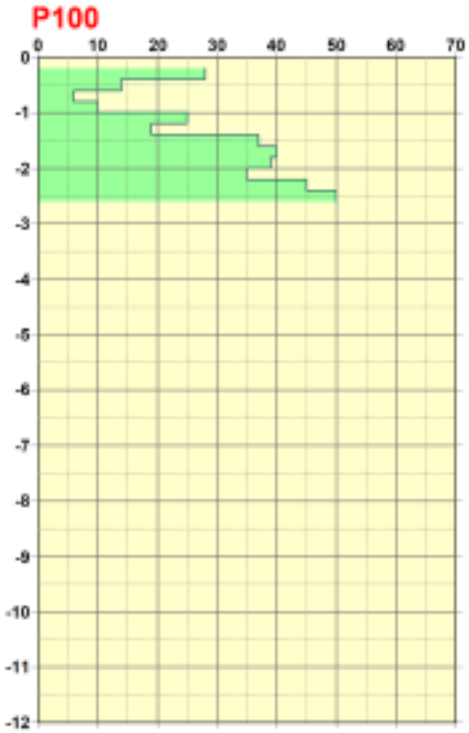
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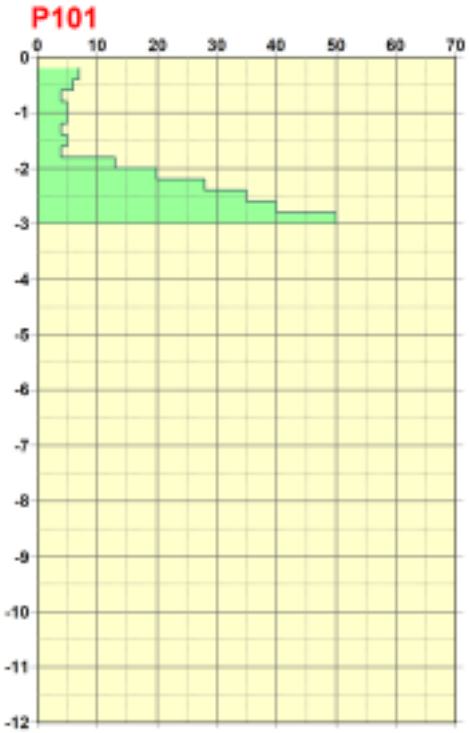
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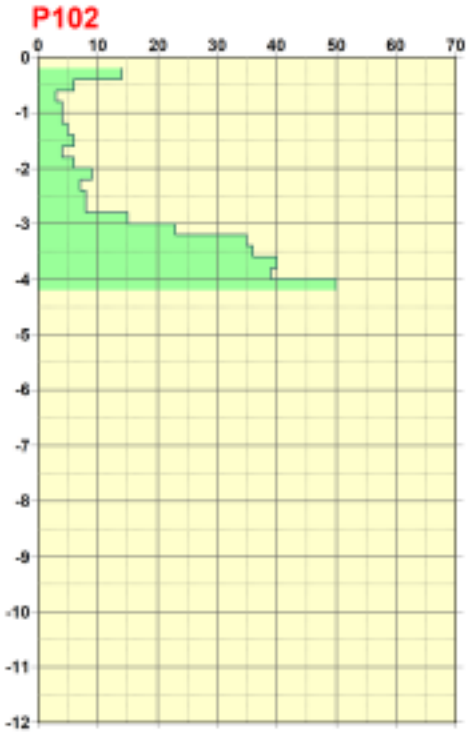
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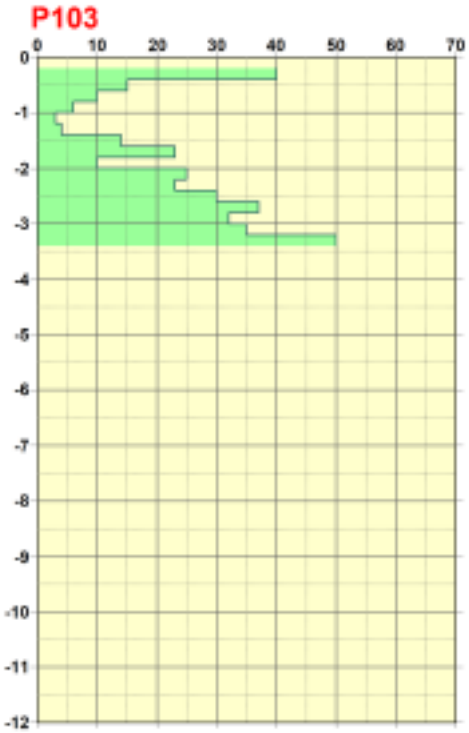
P103
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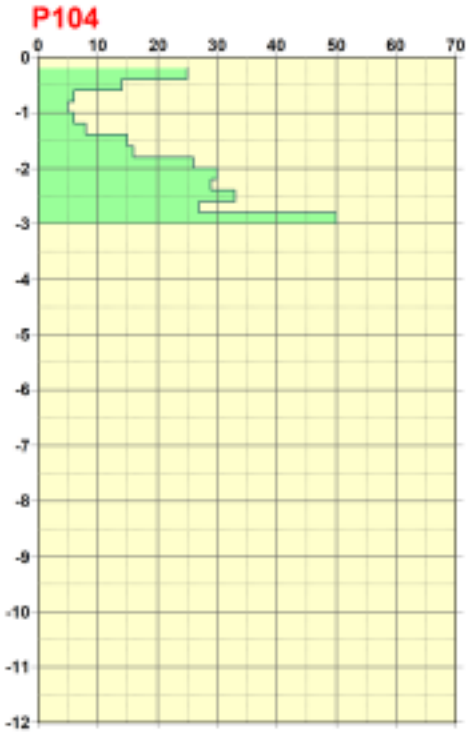
P104
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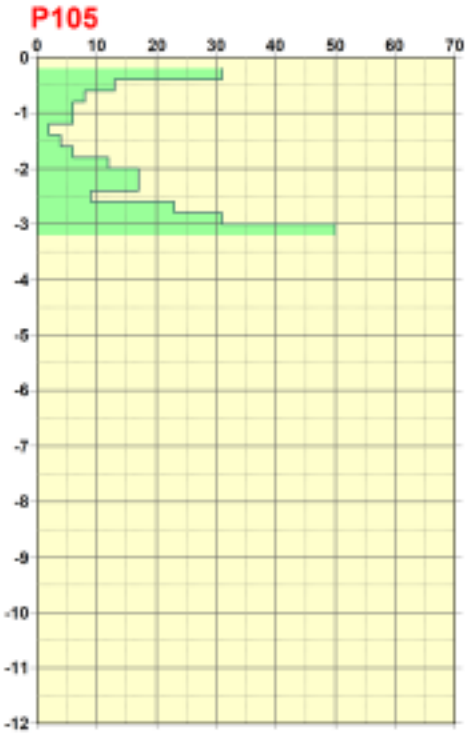

P105
0
10
20
30
40
50
60
70
0
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
-12

IGT1

P8-P9-P10-P11

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 1.0	< 4	1.7	-
1.0 – 8.0	10-12	1.8	28
Note: -			

P12-P13

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 0.5	< 4	1.7	-
0.5 – 5.0	8-10	1.8	27
5.0 – 8.0	15	1.9	30
Note: -			

P14

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 4.0	< 4	1.7	-
4.0 –8.0	8 - 10	1.8	27
Note: terreno scadente			

P15-P16-P17

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 3.0	5	1.7	25
3.0 – 4.5	15-20	1.9	32
4.5 – 8.5	10-12	1.8	28
Note: intercalazioni di ghiaia fresca			

P18-P19-P20

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 3.5	5	1.7	25
3.5 – 4.5	15-20	1.9	32
Note: -			

IGT2

P21-P25

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 2.0	2-6	1.7-1.75	27-28
2.0 – 7.6	16-18	1.8-1.85	31-32
7.6 – 8.4	40-62	1.9-1.95	> 40
> 8.4	> 100	> 1.95	> 40
Note: terreno discreto (da moderatamente addensati a addensati)			

IGT3

P26-P29

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 3.0	2-4	1.6-1.65	23-24
3.0 – 5.1 (*) 2.1 a 4.5	15-23 7	1.75-1.80 1.7	31-34 27
5.1 – 6.0	47-64	1.8-1.85	37-39
> 6	>100	1.85-1.90	>40
Note: ((*) strato presente in P29), buone caratteristiche geotecniche per P26-P27-P28, discrete in P29.			

IG4

P30-P38

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 2.4	4	1.8	27
> 2.4	25	1.85	34
Note: terreno con caratteristiche da buone a ottime			

IGT6

P44-P45-P46-P47-P48-P49-P50

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 1.5	4	1.7	26
1.5 – 2.5	7	1.8	28
> 2.5	35	1.9	36
Note: terreno da discreto			

P51

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 2	4	1.7	26
2 – 3.5	7	1.8	28
3.5 – 6.5	5	1.8	27
> 6.5	35	1.9	36
Note: terreno scadente			

IGT8

P53-P58

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0.0 – 1.8/9.0	2-4	1.7	26
3.6 – 5.7 e 9.6 – 10.8 (*)	1-2	1.6	22
1.8 – 8.0/9.0	6-10	1.8-1.9	28-30
8.0 – 9	> 50	2.0-2.1	36
Note: terreno molto scadente, probabili “occhi pollini” (* strato presente in P54-P56)			

IGT9

P59-P60

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 1.5	4-5	1.7	27-28
1.5 – 3.3	10-15	1.80-1.85	32-34.5
3.3 – 10.2	2-6	1.65-1.75	25.5-29
10.2 – 10.5	>10	>1.80	>32
Note: terreno scadente, probabili “occhi pollini”			

IGT10

P61-62

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 0.6	20	17.9	26
1.5 – 3.0	5	17.3	24
3.0 – 3.6	11	17.4	29
3.6 – 5.0	33	19.8	33
5.0 – 6.4	39	19.8	34
6.4 – 7.2	50	19.8	36
Note: terreno pessimo-scadente fino ai 3 m			

IGT12
P63-P65

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 4.8	6	15.5	28.9
4.8 – 6.8	13	17.8	30.8
6.8 – 7.5	28	20.5	35.5
Note: terreno scadente fino ai 4.8 m			

IGT14
P67-P70

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 2.4	3.76	16.74	29.82
2.4 – 3.0	14.76	18.60	31.76
3.0 – 3.6	33.50	20.99	36.15
Note:			

IGT15
P71-P73

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0 – 1.5	-	17.0	29
1.5 – 2.4	-	16.5	28
2.4 – 4.8	-	19.0	35
Note: possibile netta variabilità laterale in termini di litologia e di caratteristiche geomeccaniche.			

IGT17
P74-P76

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
-			
Note: terreno con caratteristiche da buone a ottime			

IGT18
P77

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
Parametri non disponibili			
Note: possibile presenza di “occhi pollini”.			

IGT20
P78-P81 (* strato assente in P81)

Profondità Dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0.0 – 0.6	Asfalto		
0.6 – 0.9/1.8 (*)	5-6	1.70-1.75	28-29
1.9/1.8 – 2.4/4.8	> 20	> 1.90	> 36
Note: caratteristiche geotecniche da buone a ottime			

IGT22
P83-P88

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
Parametri non disponibili			
Note: terreno scadente, zona a rischio di “occhi pollini”.			

IGT24
P89-P91

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0.0 – 0.3	18	19.93	32.0
0.3 – 3.0	6	16.38	27.0
3.0 – 13.0	26	21.17	35.0
Note: possibile presenza di “occhi pollini” o riporti non costipati.			

IGT25
P92-P93

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0.0 – 3.5/5.5	-	1.65-1.70	25-26
3.5/5.5 – 7.5	-	1.75-1.90	32-34
Note: terreno con discrete caratteristiche geotecniche			

IGT26
P94-P99

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0.0 – 3.5/5.5	-	1.65-1.70	26-28
3.5/5.5 – 7.5	-	1.75-1.80	32-34
Note: terreno con discrete caratteristiche geotecniche			

IGT27
P100-P105

Profondità dal p.c. (m)	N	γ (ton/m³)	ϕ (°)
0.0 – 1.45	-	19.0-22.0	35
1.45 – 1.80	-	18.5-21.5	32
1.80 – 2.23	-	22.0-24.0	39
2.23 – 2.56	-	18.5-21.5	27
2.56 – 3.00	-	19.0-22.0	33
Note: Terreno scadenti ma nessuna evidenza di occhi pollini			

Parte 2

PROVE PENETROMETRICHE DINAMICHE STANDARD SPT in foro

SONDAGGIO S1 –

Pf1

Profondità (m)	Nr. Colpi
2.65	39
2.80	50
2.95	0

Pf2

Profondità (m)	Nr. Colpi
7.15	45
7.30	50
7.45	0

Pf3

Profondità (m)	Nr. Colpi
12.35	29
12.50	43
12.65	40

Pf4

Profondità (m)	Nr. Colpi
17.15	44
17.30	50
17.45	0

Pf5

Profondità (m)	Nr. Colpi
20.15	19
20.30	34
20.45	44

Pf6

Profondità (m)	Nr. Colpi
24.55	9
24.70	12
24.85	18

Pf7

Profondità (m)	Nr. Colpi
27.65	14
27.80	18
27.95	21

SONDAGGIO S2 –

Pf8

Profondità (m)	Nr. Colpi
2.75	5
2.90	8
3.05	12

Pf9

Profondità (m)	Nr. Colpi
6.25	37
6.40	46
6.55	50

Pf10

Profondità (m)	Nr. Colpi
11.85	10
12.00	16
12.15	17

Pf11

Profondità (m)	Nr. Colpi
14.75	7
14.90	11
15.05	11

Pf12

Profondità (m)	Nr. Colpi
16.95	9
17.10	13
17.25	16

Pf13

Profondità (m)	Nr. Colpi
23.95	8
24.10	14
24.25	14

Pf14

Profondità (m)	Nr. Colpi
28.65	10
28.80	13
28.95	16

Parte 3

PROVE PENETROMETRICHE STATICHE

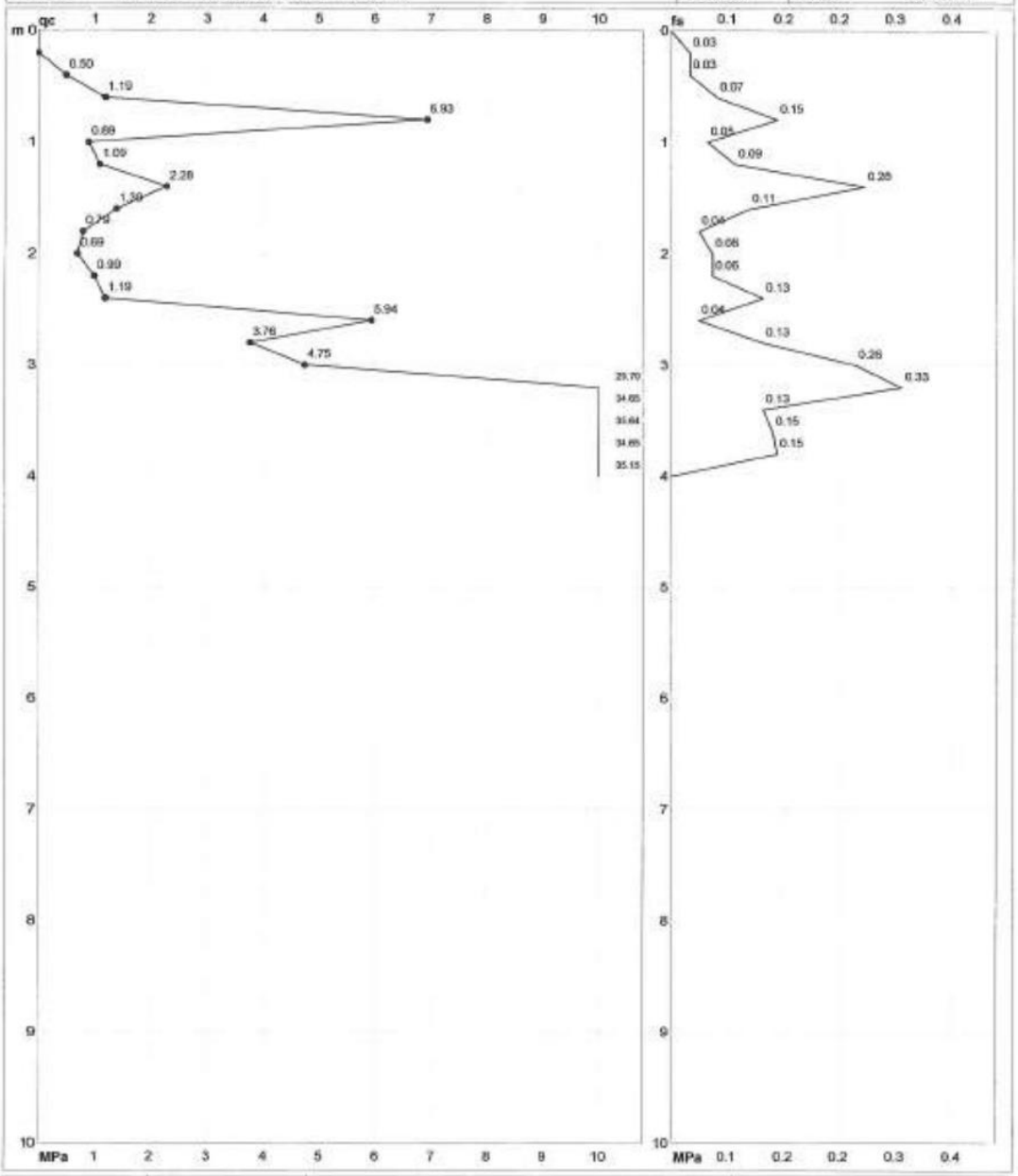
Ps1

GEO GROUP S.R.L.
via Cesare Costa, 182 - 41100 Modena

PROVA PENETROMETRICA STATICA MECCANICA
DIAGRAMMI DI RESISTENZA

CPT	1
riferimento	154-2012
certificato n°	5128

Committente:	Studio Tecnico	U.M.:	MPa	Data esec.:	25/04/2012
Cantiere:	Nuova tettoia	Scala:	1:50		
Località:	Burago Di Molgora, Via dell' Industria	Pagina:	2/4	Data certificato:	30/04/2012
		Elaborato:		Falda:	Non rilevata



		Penetrometro: GOUDA 200 kN	Preforo: m
		Responsabile:	Corr.asta: kN/ml
		Assistente:	Corr.asta: kN/ml

software by dott. geol. Diego Marin 0425-840820 FON019

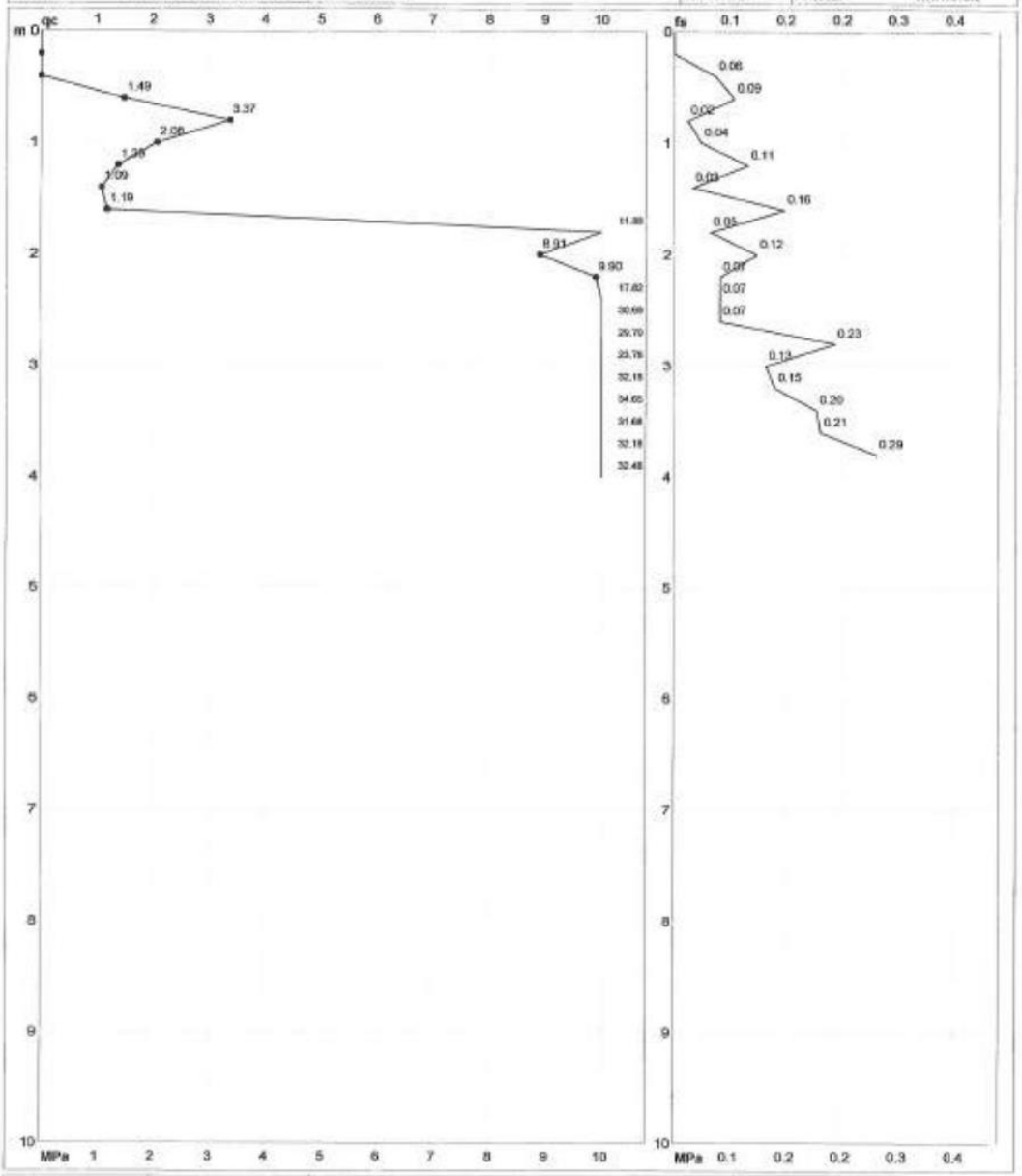
Ps2

GEO GROUP S.R.L.
via Cesare Costa, 182 - 41100 Modena

PROVA PENETROMETRICA STATICA MECCANICA
DIAGRAMMI DI RESISTENZA

CPT	2
riferimento	154-2012
certificato n°	5129

Committente:	Studio Tecnico	U.M.:	MPa	Data esec.:	25/04/2012
Cantiere:	Nuova tettoia	Scala:	1:50		
Località:	Burago Di Molgora, Via dell' Industria	Pagina:	2/4	Data certificato:	30/04/2012
		Elaborato:		Falda:	Non rilevata



		Penetrometro: GOUDA 200 kN	Preforo: m
		Responsabile:	Corr.aste: kN/ml
		Assistente:	Corr.aste: kN/ml

software by dott. geol. Diego Merlin 0425-840820 FON019

Parte 4

TRINCEE / SCAVI ESPLORATIVI

Trincea TrA

Profondità dal p.c. (m)	Caratteristiche litologiche
0.00 – 0.40	Terreno agrario
0.40 – 1.70	Sabbie e limi d'alterazione colore ocra
1.70 – 2.30	Rari ciottoli in abbondante matrice limo-argillosa
2.30 – 3.10	Ghiaia mediamente alterata in abbondante matrice argillosa
3.10 – 3.40	Ghiaie e sabbie ben addensate.

Trincea TrB

Profondità dal p.c. (m)	Caratteristiche litologiche
0.00 – 0.90	Riporto grossolano
0.90 – 1.80	Argille e limi con rari ciottoli
1.80 – 2.30	Ghiaie alterate in matrice limo-argillosa
2.30 – 3.10	Ghiaia e sabbie grigiastre

Trincea TrC

GeoArborStudio

TRINCEA T1	
Località: Burago Molgora (MB), Ambito 4 di Trasformazione Residenziale	
Data: 16/02/2021	
STRATIGRAFIA	
Note:	
Profondità da p.c.	**Descrizione**
0,0 - 0,2 m	Terreno coltivo
0,2 - 0,9 m	Argilla limosa
0,9 - 2,4 m	Argilla sabbiosa limosa inglobante ciottoli

***Stratigrafie trincee esplorative** – Ambito 4 di Trasformazione Residenziale, Burago Molgora (MB)*

Rif. L. 2800 Referente: Simone Origgi Allegato

Trincea TrD

GeoArborStudio

TRINCEA T2	
Località: Burago Molgora (MB), Ambito 4 di Trasformazione Residenziale	
Data: 16/02/2021	
STRATIGRAFIA	
Note:	
Profondità da p.c.	**Descrizione**
0,0 - 0,3 m	Terreno coltivo
0,3 - 0,8 m	Argilla limosa
0,8 - 4,0 m	Ghiaie e ciottoli in matrice argillosa e grossi ciottoli sparsi

Stratigrafie trincee esplorative *– Ambito 4 di Trasformazione Residenziale, Burago Molgora (MB)*

Rif. L. 2800 Referente: Simone Origgi Allegato

Trincea TrE

GeoArborStudio

TRINCEA T3	
Località: Burago Molgora (MB), Ambito 4 di Trasformazione Residenziale	
Data: 16/02/2021	
STRATIGRAFIA	
Note:	
Profondità da p.c.	**Descrizione**
0,0 - 0,2 m	Terreno coltivo
0,2 - 1,2 m	Argilla limosa
1,2 - 2,2 m	Argilla sabbiosa limosa inglobante ciottoli

Stratigrafie trincee esplorative *– Ambito 4 di Trasformazione Residenziale, Burago Molgora (MB)*

Rif. L. 2800 Referente: Simone Origgi Allegato

Parte 5

SONDAGGI / STRATIGRAFIE

Sondaggio S1

GEO GROUP
GEOLOGIA E AMBIENTE

UFFICI: via Per Modena, 12 - 41051 Castelnuovo R. (MO)
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Azienda con Sistema di Gestione della Qualità certificato da DNV - ISO 9001
Operatore APR certificato ENAC per operazioni non critiche – Rif. ENAC 18627

SONDAGGIO A CAROTAGGIO CONTINUO
Allegato fotografico

Codice: **S1**

INFORMAZIONI GENERALI

Oggetto: Nuovo magazzino – Burago di Molgora (MB)
Data inizio perforazione: 25/03/2021
Data fine perforazione: 29/03/2021
Strumentazione utilizzata: PERFORATRICE IDRAULICA ATLAS
Carotiere: Φ = 101 mm
Rivestimento: Φ = 127 mm
Profondità raggiunta: 30.00 m da p.c.

GEO GROUP srl
Via per Modena, 12 - Castelnuovo Rangone (MO)
Via Cesare Costa, 182 - MODENA
Tel. 059-828367 / Fax 059-5332019
email : geo.group@libero.it

Committente: SALCHI METALCOAT	Sondaggio: S1
Riferimento: Rif. 264/21	Data: 25/03/21-29/03/21
Coordinate:	Quota:
Perforazione: sondaggio a carotaggio continuo	

SCALA 1 :100 — STRATIGRAFIA - S1 — Pagina 1/1

metri	LITOLOGIA	prof. m	Quota m	Spess. m	DESCRIZIONE	RP	VT	Standard Penetration Test m	S.P.T.	N
		1.00	-1.00	1.00	Asfalto e ghiaia di sottofondo.					
		8.70	-8.70	7.70	Ghiaia eterometrica subarrotondata e arrotondata con diametro compreso tra 5 cm e 10 cm. Matrice sabbiosa limosa addensata.			2,5	39-50-12cm	Rif
								7,0	45-50-8cm	Rif
		8.90	-8.90	0.20	Limo color nocciola con inclusi ciottoli di ghiaia.					
		15.00	-15.00	6.10	Ghiaia eterometrica subarrotondata.			12,0	29-43-40	83
		21.00	-21.00	6.00	Conglomerato poligenico (ceppo) generalmente cementato, di colore grigio-biancastro.			17,0	44-50-2cm	Rif
								20,0	19-34-44	78
		24.20	-24.20	3.20	Sabbia limosa di colore nocciola. Alla quota compresa tra 21.50 m da p.c. e 22.50 m da p.c. si trova un livello di limo argilloso mediamente consistente.	2.0 1.5 2.0	0.8 0.4 0.6	24,4	9-12-18	30
		25.30	-25.30	1.10	Sabbia limosa grossolana di colore nocciola.					
		26.40	-26.40	1.10	Limo argilloso di colore nocciola mediamente consistente.	2.0 2.5	0.9 1.0			
		30.00	-30.00	3.60	Sabbia addensata di colore nocciola-verdastro.			27,5	14-18-21	39

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Sondaggio S2

GEO GROUP
GEOLOGIA E AMBIENTE

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SONDAGGIO A CAROTAGGIO CONTINUO
Allegato fotografico

Codice: **S2**

INFORMAZIONI GENERALI

Oggetto: Nuovo magazzino – Burago di Molgora (MB)
Data inizio perforazione: 29/03/2021
Data fine perforazione: 31/03/2021
Strumentazione utilizzata: PERFORATRICE IDRAULICA ATLAS
Carotiere: Φ = 101 mm
Rivestimento: Φ = 127 mm
Profondità raggiunta: 30.00 m da p.c.

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Via Cesare Costa, 182 - MODENA
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email : geo.group@libero.it

Committente: Studio tecnico	Sondaggio: S2
Riferimento: Rif. 264/21	Data: 29/03/21-31/03/21
Coordinate:	Quota:
Perforazione:	
SCALA 1 :100	STRATIGRAFIA - S2

Pagina 1/1

metri	LITOLOGIA	prof. m	Quota m	Spess. m	DESCRIZIONE	Standard Penetration Test m	S.P.T.	N
		0.60	-0.60	0.60	Soletta in cemento armato e ghiaia di sottofondo del piazzale.			
1 2 3 4 5 6 7 8 9 10		10.00	10.00	9.40	Ghiaia grossolana (spessore variabile compreso tra 3 cm e maggiore di 10 cm), poligenica e arrotondata. Matrice di tipo limo sabbiosa. Alla quota compresa tra 8.60-8.70 si trova un trovante di riolite bianca.	2,6 6,1	5-8-12 37-46-50	20 96
11 12 13 14		14.30	14.30	4.30	Ghiaia più fine rispetto al livello sovrastante. Presenta un diametro prevalente compreso tra 5 cm e 10 cm, arrotondata, in abbondante matrice limo sabbiosa.	11,7	10-16-17	33
15 16 17		17.50	17.50	3.20	Sabbia con ghiaia; a tratti è maggiormente prevalente la sabbia mediamente addensata di colore nocciola-grigio.	14,6 16,8	7-11-11 9-13-16	22 29
18		18.30	18.30	0.80	Sabbia limosa fine e limo sabbioso di colore marrone con inclusa ghiaia alterata.			
19 20 21 22		22.30	22.30	4.00	Conglomerato poligenico (ceppo) cementato, di colore grigio biancastro.			
23 24 25		25.60	25.60	3.30	Alternanze di limo sabbioso e sabbia limosa fine mediamente addensata di colore nocciola- marrone chiaro.	23,6	8-14-14	28
26 27 28 29 30		30.00	30.00	4.40	Sabbia limosa fine localmente grossolana, di colore nocciola-verdastro.	28,5	10-13-16	29

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Sondaggio S3-S4-S5

LIMGEO di MARCO LIMOSANI

Sondaggio: C2
File: *Parko007.dwg*

PROGETTO:
ORDINE N.:
COMMITTENTE: PARKO S.r.l.
LOCALITA': Via Fermi 1–Burago M. (MB)
DATA: 01/07/2021

PERFORAZIONE
fluido: nessuno
metodo: rotopercussione
utensile: carotiere semplice
Ø perf.: 101 mm.
Ø rivest.: 127 mm.

prof. sondaggio/pozzo: m. 3,00
quota p.c. s.l.m.m.:
coordinate N:
coordinate E:
inclinazione dall'orrizzontale: 0°
quota testa/tubo s.l.m.m.: m. 000,000

Livello m.	Cassette catalogatrici	Prof. m.	Strat.	Descrizione terreno	Recupero %	CAMPIONE tipo	CAMPIONE prof.	ANOMALIE Visive	ANOMALIE Olfatt.	FID VOC prof. m.	PID VOC ppm	S.P.T. prof. m.	S.P.T. n.colpi	PROVE DI PERMEABILITA' lugeon	PROVE DI PERMEABILITA' lefranc	POZZO/PIEZ. prof.	POZZO/PIEZ. tubo	Complet.	falda
	1			Autobloccante 0,10 Sabbia media marrone–grigiastra con abbondante ghiaia eterogenea eterometrica e ciottoli (max 10 cm). Terreno asciutto e molto addensato. 0,90 Limo sabbioso bruno inglobante rara ghiaia alterata e rarissimi ciottoli (max 10 cm.) Terreno umido e addensato. 3,00	100													

LIMGEO di MARCO LIMOSANI

Sondaggio: C3
File: *Parko008.dwg*

PROGETTO:
ORDINE N.:
COMMITTENTE: PARKO S.r.l.
LOCALITA': Via Fermi 1–Burago M. (MB)
DATA: 01/07/2021

PERFORAZIONE
fluido: nessuno
metodo: rotopercussione
utensile: carotiere semplice
Ø perf.: 101 mm.
Ø rivest.: 127 mm.

prof. sondaggio/pozzo: m. 3,00
quota p.c. s.l.m.m.:
coordinate N:
coordinate E:
inclinazione dall'orrizzontale: 0°
quota testa/tubo s.l.m.m.: m. 000,000

Livello m.	Cassette catalogatrici	Prof. m.	Strat.	Descrizione terreno	Recupero %	CAMPIONE tipo	CAMPIONE prof.	ANOMALIE Visive	ANOMALIE Olfatt.	FID VOC prof. m.	PID VOC ppm	S.P.T. prof. m.	S.P.T. n.colpi	PROVE DI PERMEABILITA' lugeon	PROVE DI PERMEABILITA' lefranc	POZZO/PIEZ. prof.	POZZO/PIEZ. tubo	Complet.	falda
	1			Soletta cls 0,20 Ghiaia eterogenea eterometrica e ciottoli (max 10 cm) in matrice sabbiosa debolmente limosa marrone. Terreno asciutto ed addensato 1,00 Alternanze di limo sabbioso bruno, localmente a debole legante argilloso, e sabbia limosa bruna con rara ghiaia alterata e ciottoli (max 10 cm.). Terreno umido ed addensato 3,00	100													

LIMGEO di MARCO LIMOSANI

Sondaggio: C4
File: *Parko009.dwg*

PROGETTO:
ORDINE N.:
COMMITTENTE: PARKO S.r.l.
LOCALITA': Via Fermi 1–Burago M. (MB)
DATA: 01/07/2021

PERFORAZIONE
fluido: nessuno
metodo: rotopercussione
utensile: carotiere semplice
Ø perf.: 101 mm.
Ø rivest.: 127 mm.

prof. sondaggio/pozzo: m. 3,00
quota p.c. s.l.m.m.:
coordinate N:
coordinate E:
inclinazione dall'orrizzontale: 0°
quota testa/tubo s.l.m.m.: m. 000,000

Livello m.	Cassette catalogatrici	Prof. m.	Strat.	Descrizione terreno	Recupero %	CAMPIONE tipo	CAMPIONE prof.	ANOMALIE Visive	ANOMALIE Olfatt.	FID VOC prof. m.	PID VOC ppm	S.P.T. prof. m.	S.P.T. n.colpi	PROVE DI PERMEABILITA' lugeon	PROVE DI PERMEABILITA' lefranc	POZZO/PIEZ. prof.	POZZO/PIEZ. tubo	Complet.	falda
	1			Soletta cls 0,30 Ghiaia eterogenea eterometrica e ciottoli in matrice sabbiosa media marrone–grigiastra. Tracce di laterizi. Terreno asciutto ed addensato 1,10 Sabbia media limosa bruna, localmente molto limosa, con abbondante ghiaia eterogenea di grossa pezzatura e ciottoli (max 8–9 cm. Terreno umido ed addensato 3,00	100													