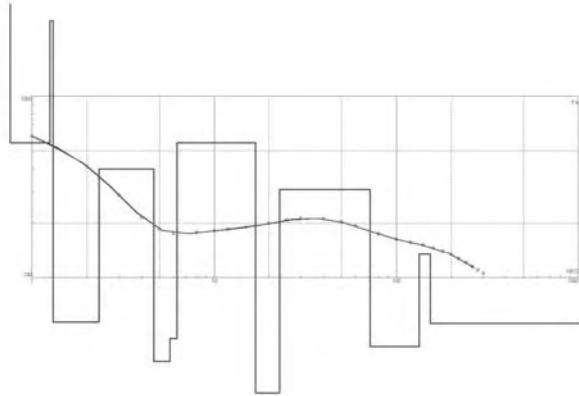


Appendix 14.2 Results of VES Survey

RESISTIVITY VERSUS DEPTH CURVES
Location : Gesikan, Merdikorejo, Tempel, Sleman-01

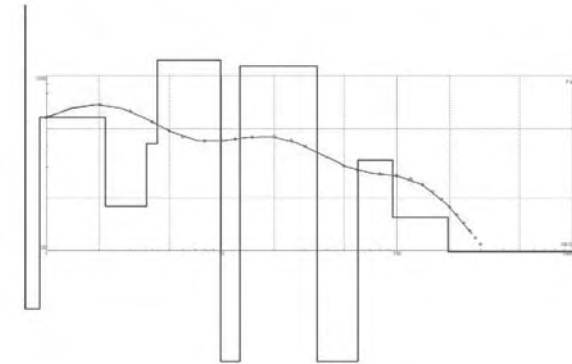


INTERPRETATION : SLEMAN – 01

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|--|
| 1 | 0 – 0,2 | 3228 | Soil |
| 2 | 0,2 – 1,2 | 553 | Volcanic breccia with andesite fragments |
| 3 | 1,2 – 1,3 | 260 | Volcanic breccia with andesite fragments |
| 4 | 1,3 – 2,3 | 57 | Coarse Sandstone |
| 5 | 2,3 – 4,6 | 396 | Volcanic breccia with andesite fragments |
| 6 | 4,6 – 5,7 | 35 | Volcanic Sandstone |
| 7 | 5,7 – 6,2 | 46 | Volcanic Sandstone |
| 8 | 6,2 – 16,8 | 553 | Volcanic breccia with andesite fragments |
| 9 | 16,8 – 22,8 | 22 | Volcanic Sandstone |
| 10 | 22,8 – 71,6 | 307 | Volcanic breccia with andesite fragments |
| 11 | 71,6 – 133 | 42 | Volcanic Sandstone |
| 12 | 133 – 155 | 134 | Sandy breccia |
| 13 | > 155 | 55,9 | Volcanic Sandstone |

Sleman No.1

RESISTIVITY VERSUS DEPTH CURVES
Location : Kemirikebo, Girikerto, Sleman-02

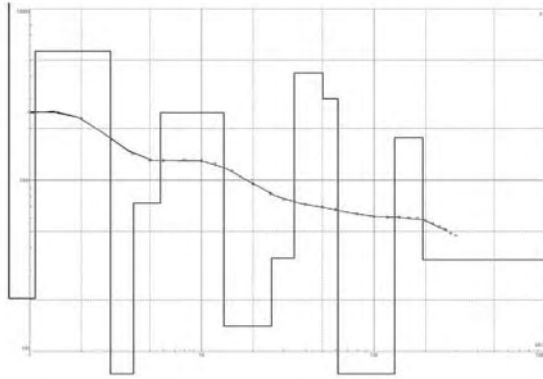


INTERPRETATION : SLEMAN – 02

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|--|
| 1 | 0 0,2 | 232 | Soil |
| 2 | 0,2 0,7 | 2524 | Lava andesite |
| 3 | 0,7 0,9 | 46,5 | Volcanic Sandstone |
| 4 | 0,9 2,1 | 582 | Volcanic breccia with andesite fragments |
| 5 | 2,1 3,7 | 179 | Sandy breccia |
| 6 | 3,7 4,3 | 411 | Volcanic breccia with andesite fragments |
| 7 | 4,3 9,9 | 1233 | Andesite Lava |
| 8 | 9,9 12,7 | 20 | Volcanic Sandstone |
| 9 | 12,7 35,2 | 1138 | Andesite Lava |
| 10 | 35,2 41 | 2,1 | Tuff |
| 11 | 41 59 | 22 | Volcanic Sandstone |
| 12 | 59 94 | 327 | Volcanic breccia with andesite fragments |
| 13 | 94 - 190 | 155 | Sandy breccia |
| | > 190 | 98 | Coarse Sand |

Sleman No.2

RESISTIVITY VERSUS DEPTH CURVES
Location : Ngandong, Girikerto, Turi, Sleman-03

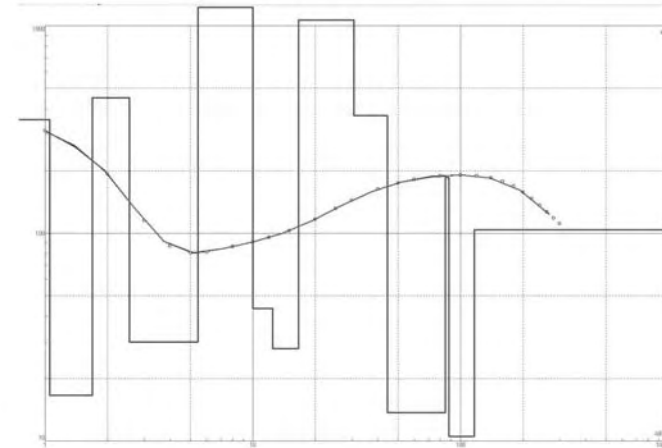


INTERPRETATION : SLEMAN - 03

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|--|
| 1 | 0 0,2 | 996 | Soil |
| 2 | 0,2 0,5 | 10785 | Compact and massive Lava |
| 3 | 0,5 1,1 | 204 | Volcanic breccia with andesite fragments |
| 4 | 1,1 2,9 | 5621 | Compact and massive Lava |
| 5 | 2,9 4 | 53 | Coarse Sandstone |
| 6 | 4 5,7 | 731 | Volcanic breccia with andesite fragments |
| 7 | 5,7 13,5 | 2478 | Andesite lava |
| 8 | 13,5 25,3 | 140 | Sandy breccia |
| 9 | 25,3 34,3 | 349 | Volcanic breccia with andesite fragments |
| 10 | 34,3 50,3 | 4201 | Compact and massive Lava |
| 11 | 50,3 61 | 2986 | Lava andesite |
| 12 | 61 131 | 9,5 | Tuff |
| 13 | 131 192 | 1762 | Andesite lava |
| 14 | > 192 | 366 | Volcanic breccia with andesite fragments |

Sleman No.3

RESISTIVITY VERSUS DEPTH CURVES
Location : Ledoknongko, Bangunkerto, Sleman-04

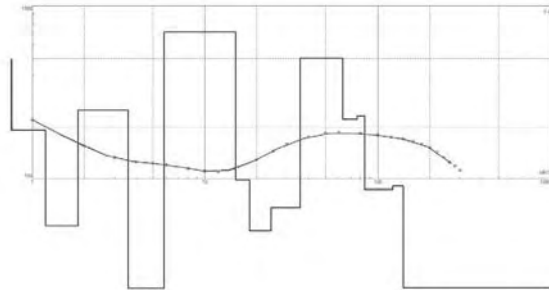


INTERPRETATION : SLEMAN - 04

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|--|
| 1 | 0 - 1 | 352 | Soil |
| 2 | 1 - 1,7 | 16 | Sandy tuff |
| 3 | 1,7 - 2,5 | 450 | Volcanic breccia with andesite fragments |
| 4 | 2,5 - 5,4 | 30 | Sandy tuff |
| 5 | 5,4 - 9,9 | 1285 | Andesite lava |
| 6 | 9,9 - 12,4 | 43 | Volcanic Sand |
| 7 | 12,4 - 16,6 | 27,8 | Volcanic Sand |
| 8 | 16,6 - 30,1 | 1063 | Andesite lava |
| 9 | 30,1 - 44,4 | 370 | Volcanic breccia with andesite fragments |
| 10 | 44,4 - 84,6 | 13,7 | Sandy tuff |
| 11 | 84,6 - 88,1 | 186 | Sandy breccia |
| 12 | 88,1 - 116 | 10 | Sandy tuff |
| 13 | > 116 | 104 | Sandy breccia |

Sleman No.4

RESISTIVITY VERSUS DEPTH CURVES
Location : Gading, Donokerto, Turi, Sleman-05

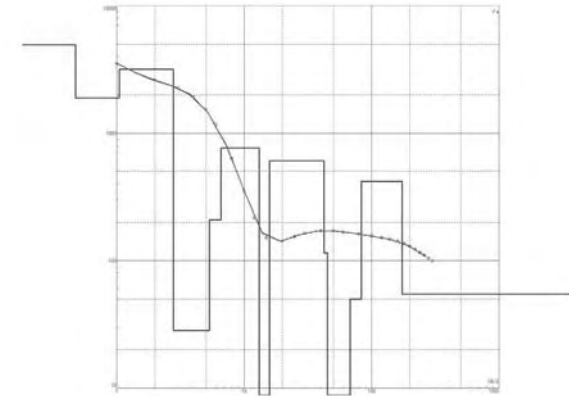


INTERPRETATION : SLEMAN - 05

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|--------------------------|--|
| 1 | 0 0,2 | 497 | Soil |
| 2 | 0,2 1,2 | 195 | Sandy breccia |
| 3 | 1,2 1,8 | 53 | Coarse sand |
| 4 | 1,8 3,6 | 255 | Volcanic breccia with andesite fragments |
| 5 | 3,6 5,8 | 23,4 | Volcanic sandstone |
| 6 | 5,8 15,4 | 709 | Volcanic breccia with andesite fragments |
| 7 | 15,4 19,1 | 98 | Coarse sand |
| 8 | 19,1 24,5 | 50 | Coarse sand |
| 9 | 24,5 35,5 | 68 | Coarse sand |
| 10 | 35,5 63,4 | 503 | Volcanic breccia with andesite fragments |
| 11 | 63,4 76,4 | 222 | Volcanic breccia with andesite fragments |
| 12 | 76,4 84 | 231 | Volcanic breccia with andesite fragments |
| 13 | 84 122 | 85,2 | Coarse sand |
| 14 | 122 - 147 | 91 | Coarse sand |
| 15 | > 147 | 38 | Volcanic sandstone |

Sleman No.5

RESISTIVITY VERSUS DEPTH CURVES
Location : Bayeman, Bangunkerto, Turi, Sleman-06

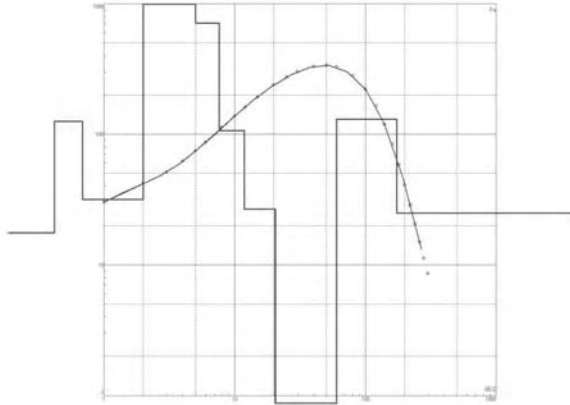


INTERPRETATION : SLEMAN - 06

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|--------------------------|--|
| 1 | 0 0,5 | 4970 | Soil |
| 2 | 0,5 1 | 1892 | Andesite lava |
| 3 | 1 2,7 | 3179 | Compact and massive Lava |
| 4 | 2,7 5,3 | 28 | Volcanic sandstone |
| 5 | 5,3 6,6 | 208 | Volcanic breccia with andesite fragments |
| 6 | 6,6 13,1 | 766 | Volcanic breccia with andesite fragments |
| 7 | 13,1 15,8 | 8,5 | Tuff |
| 8 | 15,8 42,4 | 605 | Volcanic breccia with andesite fragments |
| 9 | 42,4 45 | 115 | Sandy breccia |
| 10 | 45 67,8 | 5,8 | Tuff |
| 11 | 67,8 82,7 | 50 | Volcanic sandstone |
| 12 | 82,7 173 | 414 | Volcanic breccia with andesite fragments |
| 13 | > 173 | 54 | Coarse sand |

Sleman No.6

RESISTIVITY VERSUS DEPTH CURVES
 Location : Beneran, Purwobinangun, Pakem, Sleman-07

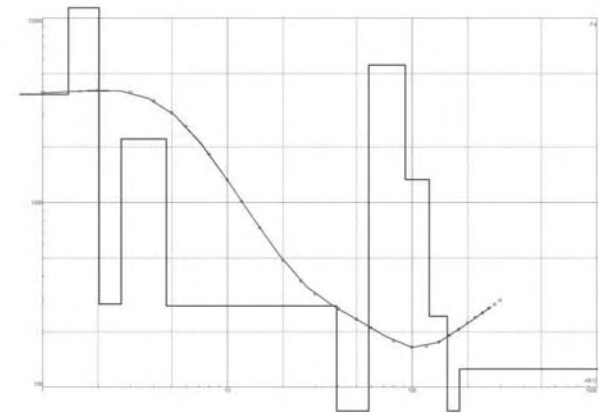


INTERPRETATION : SLEMAN - 07

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|--|
| 1 | 0 - 0,4 | 17,6 | Soil |
| 2 | 0,4 - 0,7 | 125 | Sandy breccia |
| 3 | 0,7 - 2 | 31,5 | Andesite lava |
| 4 | 2 - 5 | 5591 | Compact and massive Lava |
| 5 | 5 - 7,6 | 713 | Volcanic breccia with andesite fragments |
| 6 | 7,6 - 11,9 | 106 | Sandy breccia |
| 7 | 11,9 - 20,4 | 27 | Volcanic sandstone |
| 8 | 20,4 - 60 | 0,8 | Tuff |
| 9 | 60 - 173 | 130 | Sandy breccia |
| 10 | > 173 | 25 | Volcanic sandstone |

Sleman No.7

RESISTIVITY VERSUS DEPTH CURVES
 Location : Cemoroharjo, Candibinangun, Pakem, Sleman-08

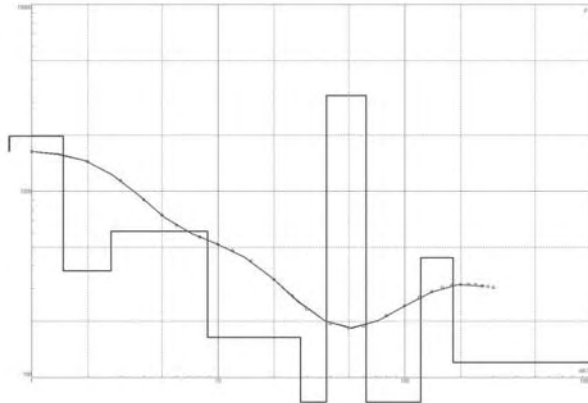


INTERPRETATION : SLEMAN - 08

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|--|
| 1 | 0 - 1,37 | 3867 | Soil |
| 2 | 1,37 - 2 | 9856 | Compact and massive Lava |
| 3 | 2 - 2,7 | 282 | Volcanic breccia with andesite fragments |
| 4 | 2,7 - 4,7 | 2209 | Andesite lava |
| 5 | 4,7 - 39 | 275 | Volcanic breccia with andesite fragments |
| 6 | 39 - 42 | 40,4 | Volcanic sandstone |
| 7 | 42 - 58,3 | 28,7 | Volcanic sandstone |
| 8 | 58,3 - 91,8 | 5557 | Compact and massive Lava |
| 9 | 91,8 - 123 | 1332 | Andesite lava |
| 10 | 123 - 154 | 242 | Volcanic breccia with andesite fragments |
| 11 | 154 - 180 | 36,6 | Volcanic sandstone |
| 12 | > 180 | 125 | Sandy breccia |

Sleman No.8

RESISTIVITY VERSUS DEPTH CURVES
 Location : Jetisan, Hargobinangun, Pakem, Sleman-09

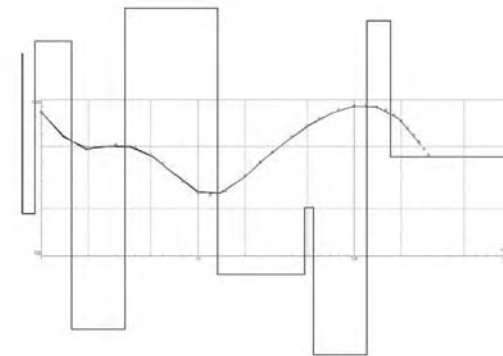


INTERPRETATION : SLEMAN – 09

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|--|
| 1 | 0 – 0,7 | 1645 | Soil |
| 2 | 0,7 – 1,5 | 1971 | Andesite Lava |
| 3 | 1,5 – 2,7 | 373 | Volcanic breccia with andesite fragments |
| 4 | 2,7 – 8,8 | 610 | Volcanic breccia with andesite fragments |
| 5 | 8,8 – 27,6 | 164 | Sandy breccia |
| 6 | 27,6 – 37,9 | 53 | Coarse sand |
| 7 | 37,9 – 62 | 3254 | Andesite Lava |
| 8 | 62 – 88,6 | 9 | Tuff |
| 9 | 88,6 – 121 | 47 | Volcanic sandstone |
| 10 | 121 – 181 | 439 | Volcanic breccia with andesite fragments |
| 11 | > 181 | 120 | Sandy breccia |

Sleman No.9

RESISTIVITY VERSUS DEPTH CURVES
 Location : Banteng, Hargobinangun, Pakem, Sleman-10

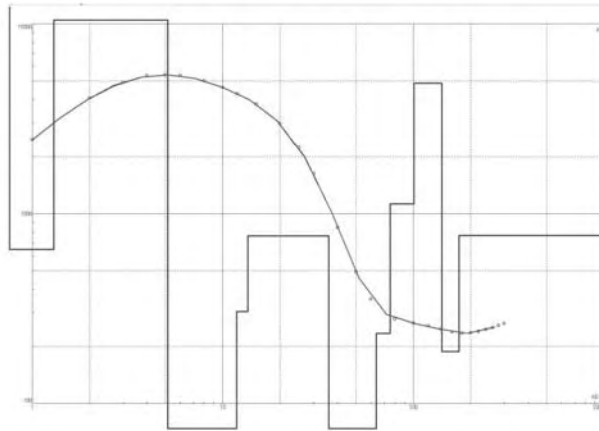


INTERPRETATION : SLEMAN – 10

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|--|
| 1 | 0 0,9 | 185 | Soil |
| 2 | 0,9 1,5 | 2361 | Andesite Lava |
| 3 | 1,5 3,4 | 33,8 | Volcanic sandstone |
| 4 | 3,4 13,3 | 12171 | Compact and massive Lava |
| 5 | 13,3 48 | 76 | Coarse sand |
| 6 | 48 54,7 | 203 | Volcanic breccia with andesite fragments |
| 7 | 54,7 86 | 10 | Tuff |
| 8 | 86 100 | 3,4 | Tuff |
| 9 | 100 120 | 23 | Volcanic sandstone |
| 10 | 120 171 | 3199 | Andesite Lava |
| 11 | > 171 | 426 | Volcanic breccia with andesite fragments |

Sleman No.10

RESISTIVITY VERSUS DEPTH CURVES
Location : Tanen, Hargobinangun, Pakem, Sleman-11

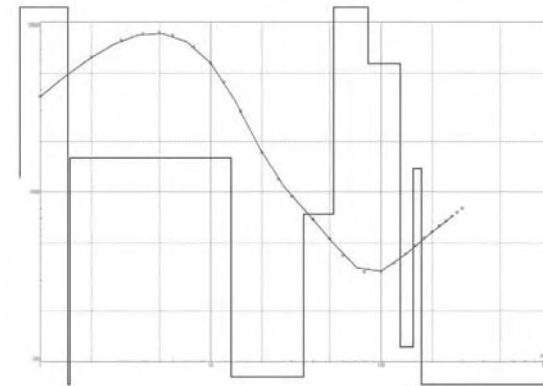


INTERPRETATION : SLEMAN - 11

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|--|
| 1 | 0 - 0,5 | 14751 | Soil |
| 2 | 0,5 - 1,3 | 647 | Volcanic breccia with andesite fragments |
| 3 | 1,3 - 5,1 | 10474 | Compact and massive Lava |
| 4 | 5,1 - 8,5 | 55 | Coarse sand |
| 5 | 8,5 - 11,3 | 58 | Coarse sand |
| 6 | 11,3 - 11,8 | 48 | Volcanic sandstone |
| 7 | 11,8 - 13,8 | 305 | Volcanic breccia with andesite fragments |
| 8 | 13,8 - 35,9 | 763 | Volcanic breccia with andesite fragments |
| 9 | 35,9 - 63,6 | 36,5 | Volcanic sandstone |
| 10 | 63,6 - 75,4 | 233 | Volcanic breccia with andesite fragments |
| 11 | 75,4 - 100,7 | 1124 | Andesite Lava |
| 12 | 100,7 - 150,9 | 4878 | Compact and massive Lava |
| 13 | 150,9 - 176 | 187 | Sandy breccia |
| 14 | > 176 | 766 | Volcanic breccia with andesite fragments |

Sleman No.11

RESISTIVITY VERSUS DEPTH CURVES
Location : Boyong, Hargobinangun, Pakem, Sleman-12

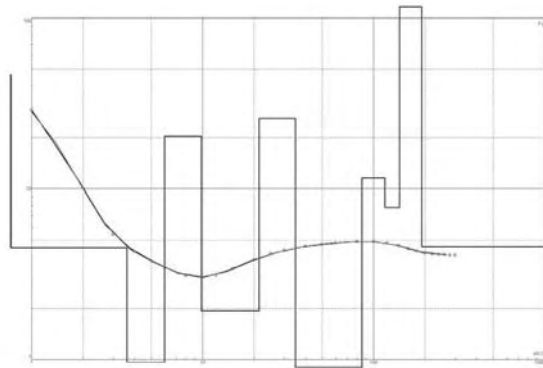


INTERPRETATION : SLEMAN - 12

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|--|
| 1 | 0 0,3 | 1219 | Soil |
| 2 | 0,3 1,4 | 40931 | Compact and massive Lava |
| 3 | 1,4 1,5 | 5,7 | Tuff |
| 4 | 1,5 13,2 | 1595 | Andesite Lava |
| 5 | 13,2 35,2 | 82 | Coarse sand |
| 6 | 35,2 52,6 | 741 | Volcanic breccia with andesite fragments |
| 7 | 52,6 84,1 | 22562 | Compact and massive Lava |
| 8 | 84,1 129 | 57162 | Compact and massive Lava |
| 9 | 129 154 | 122 | Sandy breccia |
| 10 | 154 172 | 1372 | Andesite Lava |
| 11 | > 172 | 60 | Coarse sand |

Sleman No.12

RESISTIVITY VERSUS DEPTH CURVES
Location : Nawung, Gayamharjo, Prambanan, Sleman-13

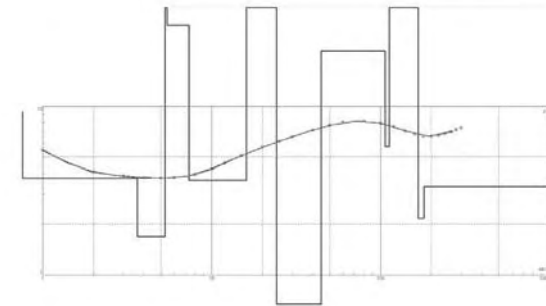


INTERPRETATION : SLEMAN – 13

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|--------------|
| 1 | 0 0,6 | 46 | Soil |
| 2 | 0,6 3,6 | 4,5 | Clay or tuff |
| 3 | 3,6 5,9 | 1 | Clay or tuff |
| 4 | 5,9 9,8 | 20,3 | Sandstone |
| 5 | 9,8 21,4 | 2 | Clay or tuff |
| 6 | 21,4 34,9 | 25 | Sandstone |
| 7 | 34,9 85,3 | 0,9 | Clay or tuff |
| 8 | 85,3 116 | 11,5 | Sandy Clay |
| 9 | 116 142 | 7,78 | Clay or tuff |
| 10 | 142 191 | 116 | Limestone |
| 11 | > 191 | 4,5 | Clay or tuff |

Sleman No.13

RESISTIVITY VERSUS DEPTH CURVES
Location : Wukirharjo, Prambanan, Sleman-14

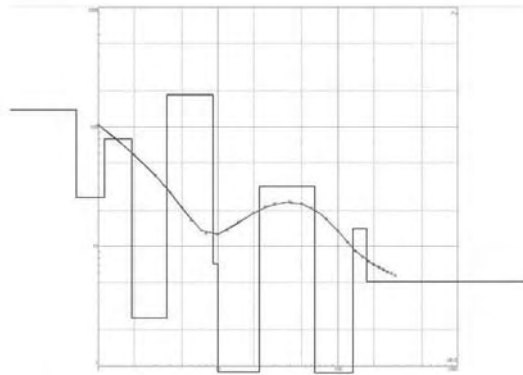


INTERPRETATION : SLEMAN – 14

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|------------------|
| 1 | 0 0,3 | 9,3 | Soil |
| 2 | 0,3 3,6 | 3,7 | Clay or tuff |
| 3 | 3,6 5,2 | 1,5 | Clay or tuff |
| 4 | 5,2 5,5 | 40 | Sandstone |
| 5 | 5,5 7,5 | 31 | Sandstone |
| 6 | 7,5 16,6 | 3,6 | Clay or tuff |
| 7 | 16,6 24,8 | 61 | Sandstone |
| 8 | 24,8 44,5 | 1 | Clay or tuff |
| 9 | 44,5 106 | 21 | Sandstone |
| 10 | 106 112 | 5,7 | Clay or tuff |
| 11 | 112 166 | 551 | Volcanic Breccia |
| 12 | 166 182 | 2,2 | Clay or tuff |
| 13 | > 182 | 3,3 | Clay or tuff |

Sleman No.14

RESISTIVITY VERSUS DEPTH CURVES
Location : Berbah, Watuadek, Sleman-15

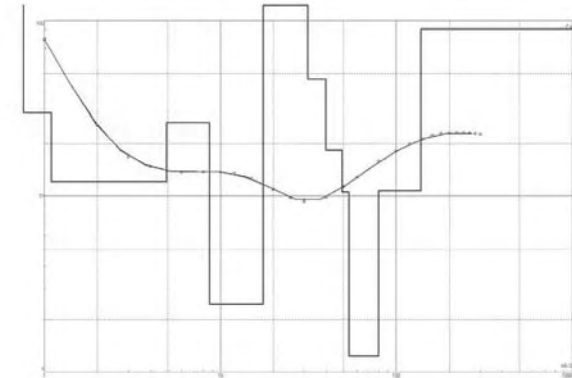


INTERPRETATION : SLEMAN - 15

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|---------------|
| 1 | 0 0,6 | 138 | Soil |
| 2 | 0,6 1,2 | 25 | Sandstone |
| 3 | 1,2 2 | 80 | Sandy breccia |
| 4 | 2 3,7 | 2,5 | Claystone |
| 5 | 3,7 9 | 186 | Sandy breccia |
| 6 | 9 10 | 7,1 | Claystone |
| 7 | 10 22 | 1 | Claystone |
| 8 | 22 64 | 32 | Sandstone |
| 9 | 64 133 | 0,4 | Claystone |
| 10 | 133 175 | 14,1 | Clayey sand |
| 11 | > 175 | 5 | Claystone |

Sleman No.15

RESISTIVITY VERSUS DEPTH CURVES
Location : Klangkapan, Seyegan, Sleman-16

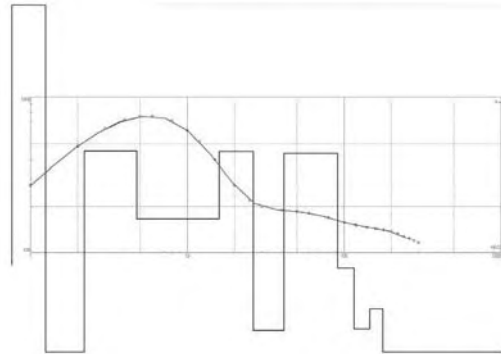


INTERPRETATION : SLEMAN - 16

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|------------------|
| 1 | 0 0,3 | 227 | Soil |
| 2 | 0,3 1,1 | 30 | Sandstone |
| 3 | 1,1 4,9 | 12 | Claystone |
| 4 | 4,9 8,6 | 2,3 | Claystone |
| 5 | 8,6 17,4 | 2,5 | Claystone |
| 6 | 17,4 30,1 | 285 | Volcanic Breccia |
| 7 | 30,1 31,3 | 223 | Volcanic Breccia |
| 8 | 31,3 39,7 | 46,5 | Sandstone |
| 9 | 39,7 49,1 | 18,4 | Clayey sand |
| 10 | 49,1 53,9 | 10,5 | Sandy clay |
| 11 | 53,9 79,4 | 1,3 | Claystone |
| 12 | 79,4 137 | 10,7 | Sandy Clay |
| 13 | > 137 | 90,1 | Sandy breccia |

Sleman No.16

RESISTIVITY VERSUS DEPTH CURVES
 Location : Tegalrejo, Margorejo, Tempel, Sleman-17

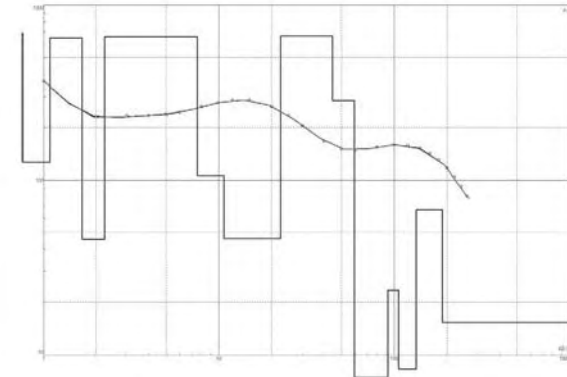


INTERPRETATION : SLEMAN – 17

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|--|
| 1 | 0 0,3 | 84 | Soil |
| 2 | 0,3 1,2 | 4865 | Compact and massive Lava |
| 3 | 1,2 2,2 | 16,8 | Sandy Clay |
| 4 | 2,2 4,7 | 449 | Volcanic breccia with andesite fragments |
| 5 | 4,7 16 | 165 | Sandy breccia |
| 6 | 16 26,4 | 448 | Volcanic breccia with andesite fragments |
| 7 | 26,4 41,4 | 32 | Volcanic Sandstone |
| 8 | 41,4 91 | 435 | Volcanic breccia with andesite fragments |
| 9 | 91 115 | 80 | Coarse sand |
| 10 | 115 145 | 32,5 | Volcanic Sandstone |
| 11 | 145 177 | 43,8 | Volcanic Sandstone |
| 12 | > 177 | 2,7 | Tuff |

Sleman No.17

RESISTIVITY VERSUS DEPTH CURVES
 Location : Nglebeng, Margorejo, Tempel, Sleman-18

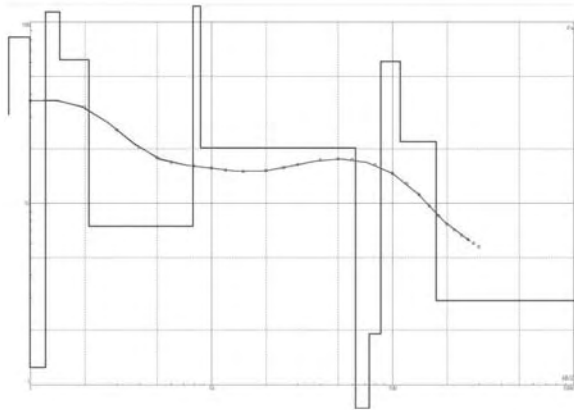


INTERPRETATION : SLEMAN – 18

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|--|
| 1 | 0 0,4 | 690 | Soil |
| 2 | 0,4 1,1 | 126 | Sandy breccia |
| 3 | 1,1 1,6 | 644 | Volcanic breccia with andesite fragments |
| 4 | 1,6 2,2 | 45,6 | Volcanic Sandstone |
| 5 | 2,2 7,6 | 656 | Volcanic breccia with andesite fragments |
| 6 | 7,6 10,7 | 106 | Sandy breccia |
| 7 | 10,7 22,5 | 45,9 | Volcanic Sandstone |
| 8 | 22,5 44,5 | 663 | Volcanic breccia with andesite fragments |
| 9 | 44,5 59,4 | 284 | Volcanic breccia with andesite fragments |
| 10 | 59,4 91,7 | 1 | Tuff |
| 11 | 91,7 105,9 | 23,4 | Volcanic Sandstone |
| 12 | 105,9 133 | 8,3 | Volcanic Tuff |
| 13 | 133 187 | 67,1 | Coarse sand |
| 14 | > 187 | 15,3 | Sandy Clay |

Sleman No.18

RESISTIVITY VERSUS DEPTH CURVES
 Location : Depan kantor Kecamatan Minggir, Sleman-19

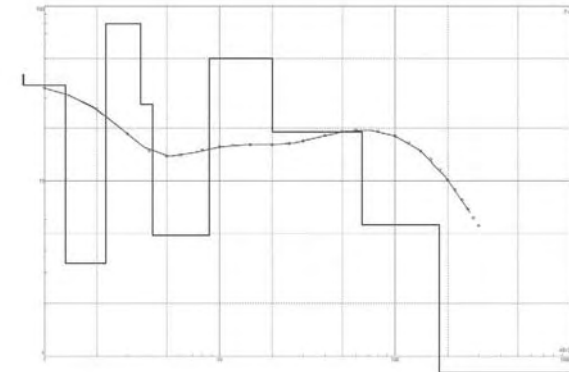


INTERPRETATION : SLEMAN – 19

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|--------------------------|---------------|
| 1 | 0 – 0,5 | 31 | Soil |
| 2 | 0,5 – 1 | 82 | Coarse sand |
| 3 | 1 – 1,2 | 1,2 | Clay |
| 4 | 1,2 – 1,5 | 113 | Breccia |
| 5 | 1,5 – 2,1 | 62 | Sandstone |
| 6 | 2,1 – 7,9 | 7,5 | Claystone |
| 7 | 7,9 – 8,6 | 179 | Sandy breccia |
| 8 | 8,6 – 62 | 20 | Sandstone |
| 9 | 62 – 74 | 0,4 | Claystone |
| 10 | 74 – 85,5 | 2 | Claystone |
| 11 | 85,5 – 110 | 60 | Coarse sand |
| 12 | 110 – 176 | 22 | Sandstone |
| 13 | > 176 | 2,9 | Claystone |

Sleman No.19

RESISTIVITY VERSUS DEPTH CURVES
 Location : Bodan, Sendangsari, Minggir, Sleman-20

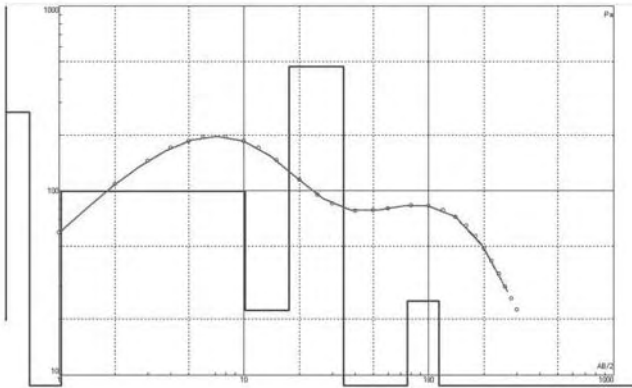


INTERPRETATION : SLEMAN – 20

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|--------------------------|-------------|
| 1 | 0 0,2 | 40 | Soil |
| 2 | 0,2 1,3 | 35 | Sandstone |
| 3 | 1,3 2,2 | 3,4 | Clay |
| 4 | 2,2 3,5 | 80 | Coarse sand |
| 5 | 3,5 4,1 | 27,6 | Sandstone |
| 6 | 4,1 8,7 | 4,8 | Clay |
| 7 | 8,7 20 | 50 | Sandstone |
| 8 | 20 64 | 20 | Sandstone |
| 9 | 64 178 | 5,6 | Clay |
| 10 | > 178 | 0,7 | Clay |

Sleman No.20

RESISTIVITY VERSUS DEPTH CURVES
 Location : Jl Kentungan,Sleman21

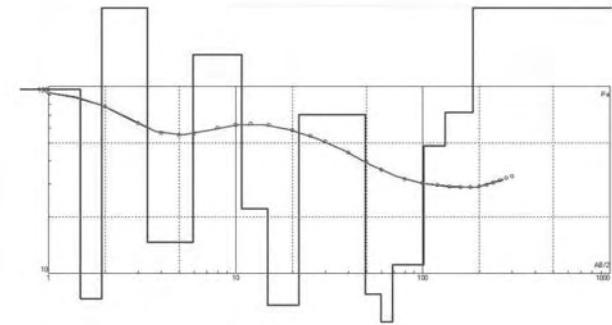


INTERPRETATION : Sleman21

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|-----------|
| 1 | 0 – 0,35 | 3585 | Soil |
| 2 | 0,35 – 0,7 | 265 | Breccia |
| 3 | 0,7 – 1 | 43 | Sandstone |
| 4 | 1 – 10 | 100 | Breccia |
| 5 | 10 – 17 | 22 | Sandstone |
| 6 | 17 – 34 | 471 | Breccia |
| 7 | 34 – 76 | 1 | Clay |
| 8 | 76 – 114 | 25 | Sandstone |
| 9 | > 114 | 1 | Clay |

Sleman No.21

RESISTIVITY VERSUS DEPTH CURVES
 Location : Jl Cantel, Miliran, Kota-01

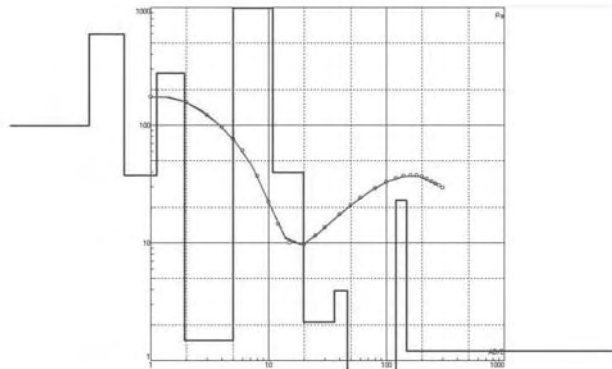


INTERPRETATION : KOTA-01

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|-------------|
| 1 | 0 – 1,5 | 96 | Soil |
| 2 | 1,5 – 2 | 7,3 | Clay |
| 3 | 2 – 3,4 | 328 | Breccia |
| 4 | 3,4 – 6 | 14,7 | Sandy clay |
| 5 | 6 – 11 | 147 | Breccia |
| 6 | 11 – 15 | 22 | Sandstone |
| 7 | 15 – 22 | 6,7 | Clay |
| 8 | 22 – 49 | 71 | Coarse sand |
| 9 | 49 – 60 | 7,7 | Clay |
| 10 | 60 – 69 | 5,5 | Clay |
| 11 | 69 – 101 | 11 | Limy Sand |
| 12 | 101 – 131 | 48 | Sandstone |
| 13 | 131 – 181 | 72 | Coarse sand |
| 14 | > 181 | 732 | Breccia |

Yogyakarta No.1

RESISTIVITY VERSUS DEPTH CURVES
 Location : Gondokusuman office, Kota-02

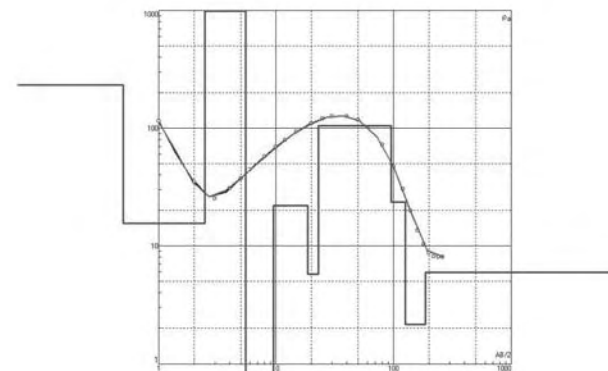


INTERPRETATION : KOTA-02

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|-----------|
| 1 | 0 - 0,3 | 99 | Soil |
| 2 | 0,3 - 0,6 | 596 | Breccia |
| 3 | 0,6 - 1,1 | 37 | Sandstone |
| 4 | 1,1 - 2 | 276 | Breccia |
| 5 | 2 - 5 | 1,5 | Clay |
| 6 | 5 - 11 | 1167 | |
| 7 | 11 - 20 | 39 | Sandstone |
| 8 | 20 - 36 | 2 | Clay |
| 9 | 36 - 46 | 4 | Clay |
| 10 | 46 - 120 | 0,1 | Clay |
| 11 | 120 - 147 | 23 | Sandstone |
| 12 | > 147 | 1,2 | Clay |

Yogyakarta No.2

RESISTIVITY VERSUS DEPTH CURVES
 Location : West PDAM Tirtamarta, Kota-03

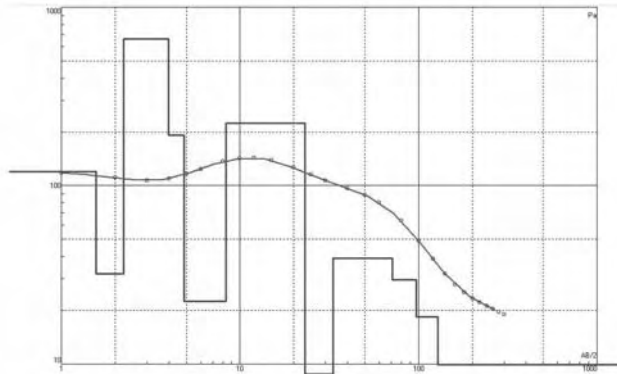


INTERPRETATION : KOTA-04

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|------------|
| 1 | 0 - 0,5 | 232 | Soil |
| 2 | 0,5 - 2,5 | 15 | Sandy Clay |
| 3 | 2,5 - 5,5 | 1737 | Breccia |
| 4 | 5,5 - 9,5 | 0,3 | Clay |
| 5 | 9,5 - 18,7 | 22 | Sandstone |
| 6 | 18,7 - 23 | 5,8 | Clay |
| 7 | 23 - 95 | 105 | Breccia |
| 8 | 95 - 126 | 24 | Sandstone |
| 9 | 126 - 185 | 2 | Clay |
| 10 | > 185 | 6 | Clay |

Yogyakarta No.3

RESISTIVITY VERSUS DEPTH CURVES
 Location : Kricak lor, border w/ Kragilan, Kota-04

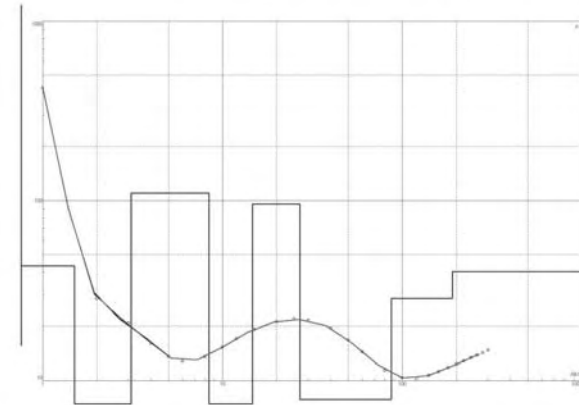


INTERPRETATION : KOTA-05

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|-----------|
| 1 | 0 – 1,5 | 119 | Soil |
| 2 | 1,5 – 2,2 | 32 | Sandstone |
| 3 | 2,2 – 4 | 663 | Breccia |
| 4 | 4 – 4,8 | 191 | Breccia |
| 5 | 4,8 – 8,3 | 22,5 | Sandstone |
| 6 | 8,3 – 23 | 224 | Breccia |
| 7 | 23 – 33 | 3,5 | Clay |
| 8 | 33 – 71 | 39 | Sandstone |
| 9 | 71 – 97 | 30 | Sandstone |
| 10 | 97 – 137 | 18 | Sandstone |
| 11 | > 137 | 10 | Clay |

Yogyakarta No.4

RESISTIVITY VERSUS DEPTH CURVES
 Location : Kamijoro, Pajangan, PDAM-Bantul-01

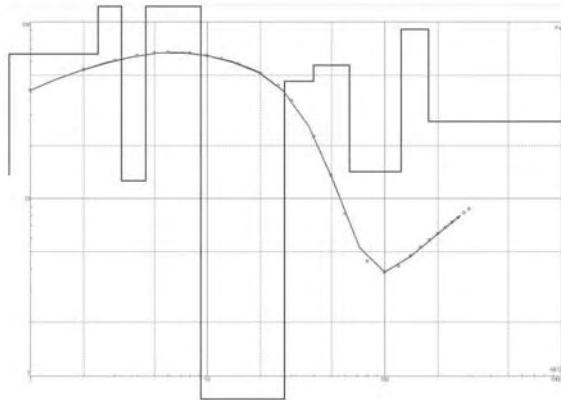


INTERPRETATION : PDAM-BANTUL-01

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-----------------|
| 1 | 0 -0,25 | 6105 | Soil |
| 2 | 0,25 – 0,6 | 16 | Sandy Marl |
| 3 | 0,6 – 1,5 | 43 | Sandstone |
| 4 | 1,5 – 3,1 | 3,3 | Marl |
| 5 | 3,1 – 8,4 | 110 | Limestone |
| 6 | 8,4 – 16,7 | 1 | Marl |
| 7 | 16,7 – 27 | 95 | Sandy Limestone |
| 8 | 27 – 86 | 8 | Marl |
| 9 | 86 – 190 | 28 | Sandstone |
| 10 | > 190 | 40 | Sandstone |

Bantul(PDAM) No.1

RESISTIVITY VERSUS DEPTH CURVES
 Location : Bejikulon, Sendangsari, Pajangan, PDAM-Bantul-02

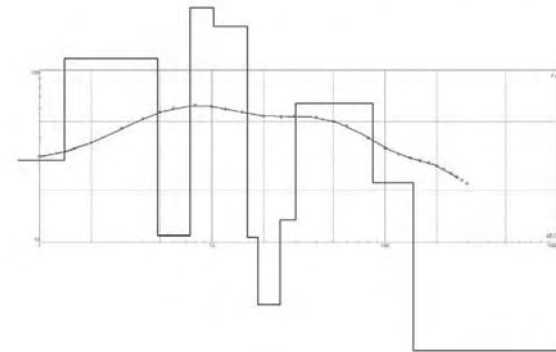


INTERPRETATION : PDAM-BANTUL-02

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-----------------|
| 1 | 0 – 0,2 | 13,6 | Soil |
| 2 | 0,2 – 0,4 | 66 | Sandy Limestone |
| 3 | 2,4 – 3,3 | 229 | Limestone |
| 4 | 3,3 – 4,5 | 12,6 | Sandy Marl |
| 5 | 4,5 – 9,2 | 158 | Limestone |
| 6 | 9,2 – 27 | 0,7 | Marl |
| 7 | 27 – 40 | 46 | Sandstone |
| 8 | 40 – 63 | 57 | Sandy Limestone |
| 9 | 63 – 123 | 14 | Sandy Marl |
| 10 | 123 – 177 | 91 | Sandy Limestone |
| 11 | > 177 | 27 | Sandstone |

Bantul(PDAM) No.2

RESISTIVITY VERSUS DEPTH CURVES
 Location : Bejiwetan, Sendangsari, Pajangan, PDAM-Bantul-03

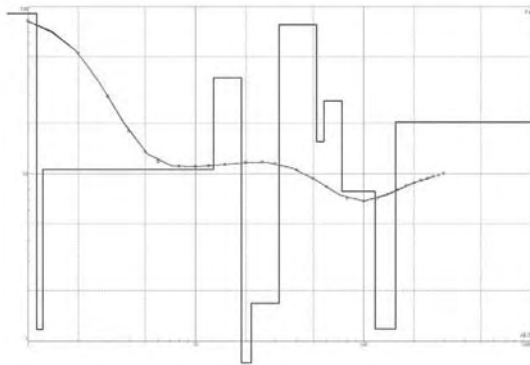


INTERPRETATION : PDAM-BANTUL-03

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-----------------|
| 1 | 0 1,4 | 30 | Soil |
| 2 | 1,4 4,8 | 115 | Limestone |
| 3 | 4,8 7,5 | 11 | Sandy Marl |
| 4 | 7,5 10,2 | 230 | Limestone |
| 5 | 10,2 16 | 178 | Limestone |
| 6 | 16 18,5 | 11 | Sandy Marl |
| 7 | 18,5 24,7 | 4,3 | Marl |
| 8 | 24,7 30,3 | 13,4 | Sandy Marl |
| 9 | 30,3 85 | 64 | Sandy Limestone |
| 10 | 85 146 | 22 | Sandstone |
| 11 | > 146 | 1 | Marl |

Bantul(PDAM) No.3

RESISTIVITY VERSUS DEPTH CURVES
 Location : Perumnas Guvosari, Pajangan, PDAM-Bantul-04

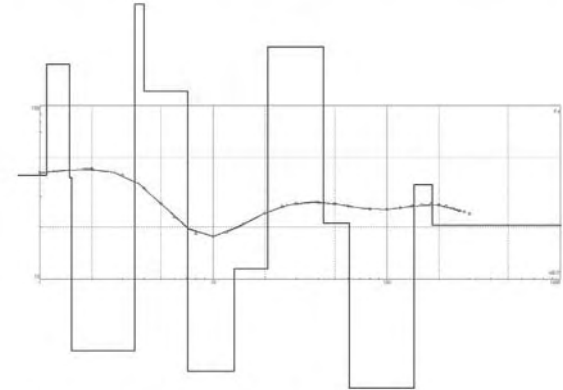


INTERPRETATION : PDAM-BANTUL-04

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|------------------------|-------------------------|-----------------|
| 1 | 0 1,1 | 91 | Soil |
| 2 | 1,1 1,2 | 1,2 | Marl |
| 3 | 1,2 12,7 | 10,6 | Sandy Marl |
| 4 | 12,7 19 | 37,6 | Sandstone |
| 5 | 19 21,5 | 0,4 | Marl |
| 6 | 21,5 31,5 | 1,7 | Marl |
| 7 | 31,5 52,6 | 77 | Sandy Limestone |
| 8 | 52,6 58 | 15,5 | Sandy Marl |
| 9 | 58 74 | 27,2 | Sandstone |
| 10 | 74 117 | 8 | Marl |
| 11 | 117 155 | 1,2 | Marl |
| 12 | > 155 | 20 | Sandstone |

Bantul(PDAM) No.4

RESISTIVITY VERSUS DEPTH CURVES
 Location : Watugeduk, Guvosari, Pajangan, PDAM-Bantul-05

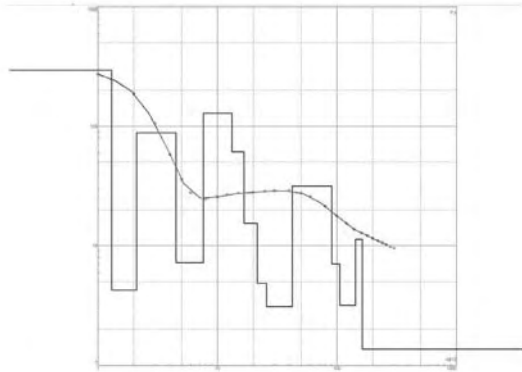


INTERPRETATION : PDAM-BANTUL-05

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|------------------------|-------------------------|------------|
| 1 | 0 1 | 39 | Soil |
| 2 | 1 1,5 | 172 | Limestone |
| 3 | 1,5 1,6 | 38 | Sandstone |
| 4 | 1,6 3,5 | 3,8 | Marl |
| 5 | 3,5 4 | 966 | Limestone |
| 6 | 4 7,1 | 121 | Limestone |
| 7 | 7,1 13,2 | 2,9 | Marl |
| 8 | 13,2 20,6 | 11,5 | Sandy Marl |
| 9 | 20,6 43 | 217 | Limestone |
| 10 | 43 60,5 | 21 | Sandstone |
| 11 | 60,5 143 | 1 | Marl |
| 12 | 143 182 | 35 | Sandstone |
| 13 | > 182 | 20 | Sandstone |

Bantul(PDAM) No.5

RESISTIVITY VERSUS DEPTH CURVES
Location : Bandengan, Kota Bantul, PDAM-Bantul-06

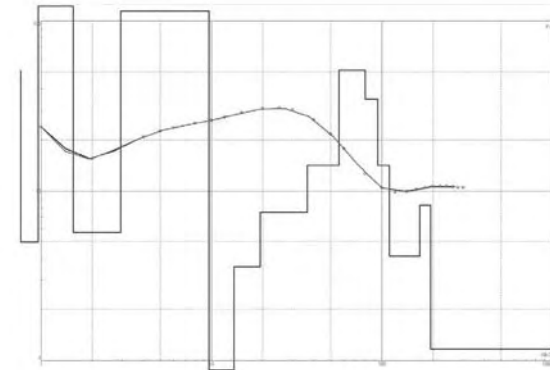


INTERPRETATION : PDAM-BANTUL-06

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 1,3 | 293 | Soil |
| 2 | 1,3 2 | 4 | Clay |
| 3 | 2 4,5 | 88 | Coarse sand |
| 4 | 4,5 7,6 | 7,2 | Clay |
| 5 | 7,6 13,2 | 129 | Breccia |
| 6 | 13,2 16,7 | 61 | Coarse sand |
| 7 | 16,7 21,6 | 15 | Sandy Clay |
| 8 | 1,6 25,8 | 4,8 | Clay |
| 9 | 25,8 42 | 3,2 | Clay |
| 10 | 42 90 | 31,2 | Sandstone |
| 11 | 90 105 | 7 | Clay |
| 12 | 105 142 | 3,2 | Clay |
| 13 | 142 163 | 11,3 | Sandy Clay |
| 14 | > 163 | 1,5 | Clay |

Bantul(PDAM) No.6

RESISTIVITY VERSUS DEPTH CURVES
Location : Panggunharjo, Sewon, PDAM-Bantul-07

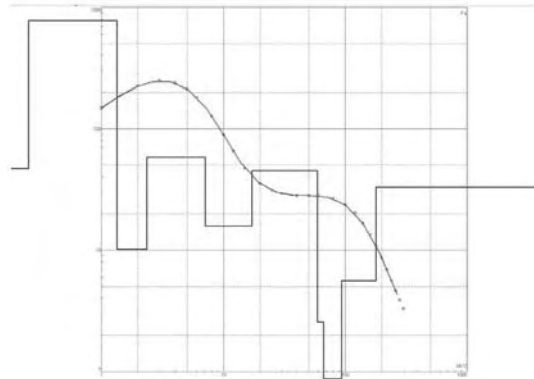


INTERPRETATION : PDAM-BANTUL-07

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 - 0,4 | 50 | Soil |
| 2 | 0,4 - 0,9 | 5 | Clay |
| 3 | 0,9 - 1,5 | 152 | Breccia |
| 4 | 1,5 - 3 | 5,7 | Clay |
| 5 | 3 - 9,6 | 114 | Breccia |
| 6 | 9,6 - 13,6 | 1 | Clay |
| 7 | 13,6 - 20 | 3,5 | Clay |
| 8 | 20 36,5 | 7,5 | Clay |
| 9 | 36,5 - 56 | 14 | Sandy Clay |
| 10 | 56 - 80 | 51 | Coarse sand |
| 11 | 80 - 95 | 35 | Sandstone |
| 12 | 95 - 110 | 14 | Sandy Clay |
| 13 | 110 - 167 | 4 | Clay |
| 14 | 167 - 193 | 8 | Clay |
| 15 | > 193 | 1,2 | Clay |

Bantul(PDAM) No.7

RESISTIVITY VERSUS DEPTH CURVES
 Location : Jl imogiri barat, Panggunharjo, PDAM-Bantul-08

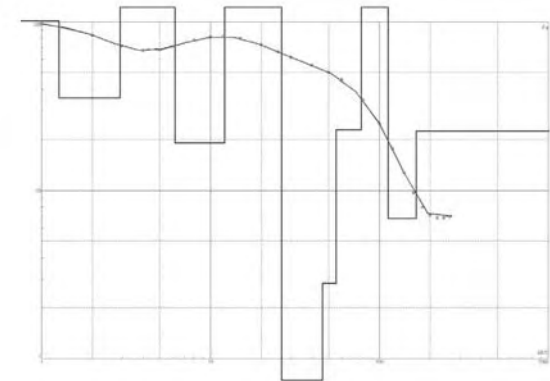


INTERPRETATION : PDAM-BANTUL-08

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|------------------------|--------------------------|-------------|
| 1 | 0 0,25 | 47 | Soil |
| 2 | 0,25 1,3 | 781 | Breccia |
| 3 | 1,3 2,4 | 10 | Clay |
| 4 | 2,4 7 | 58 | Coarse sand |
| 5 | 7 17 | 16 | Sandy Clay |
| 6 | 17 58 | 44 | Sandstone |
| 7 | 58 66 | 2,5 | Clay |
| 8 | 66 75 | 0,1 | Clay |
| 9 | 75 94 | 0,3 | Clay |
| 10 | 94 178 | 5,8 | Clay |
| 11 | > 178 | 33 | Sandstone |

Bantul(PDAM) No.8

RESISTIVITY VERSUS DEPTH CURVES
 Location : Jl Wonosari km 12, Piyungan, PDAM-Bantul-09

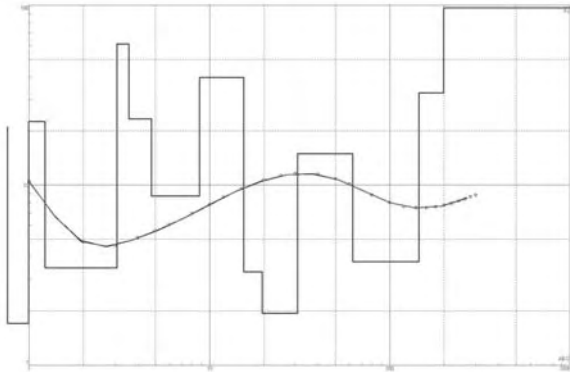


INTERPRETATION : PDAM-BANTUL-09

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|------------------------|--------------------------|-----------|
| 1 | 0 1,2 | 101 | Soil |
| 2 | 1,2 2,9 | 35 | Sandstone |
| 3 | 2,9 3,6 | 203 | Breccia |
| 4 | 3,6 6,1 | 243 | Breccia |
| 5 | 6,1 12 | 20 | Sandstone |
| 6 | 12 18,6 | 153 | Breccia |
| 7 | 18,6 26,2 | 131 | Breccia |
| 8 | 26,2 46 | 0,6 | Clay |
| 9 | 46 55 | 2,8 | Clay |
| 10 | 55 78 | 23 | Sandstone |
| 11 | 78 112 | 1174 | Lava |
| 12 | 112 165 | 7 | Clay |
| 13 | > 165 | 22 | Sandstone |

Bantul(PDAM) No.9

RESISTIVITY VERSUS DEPTH CURVES
Location : Jombor, Srimulyo, Piyungan, PDAM-Bantul-10

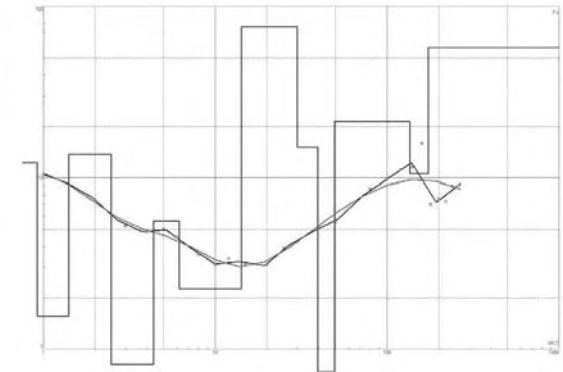


INTERPRETATION : PDAM-BANTUL-10

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 - 1 | 1,7 | Soil |
| 2 | 1 - 1,2 | 22,5 | Sandstone |
| 3 | 1,2 - 3,1 | 3,4 | Clay |
| 4 | 3,1 - 3,6 | 61 | Coarse sand |
| 5 | 3,6 - 4,7 | 23,3 | Sandstone |
| 6 | 4,7 - 8,7 | 8,6 | Clay |
| 7 | 8,7 - 15,4 | 40 | Sandstone |
| 8 | 15,4 - 19,5 | 3,3 | Clay |
| 9 | 19,5 - 31 | 1,9 | Clay |
| 10 | 31 - 62 | 15 | Sandy clay |
| 11 | 62 - 144 | 3,7 | Clay |
| 12 | 144 - 199 | 32 | Sandstone |
| 13 | > 199 | 96 | Coarse sand |

Bantul(PDAM) No.10

RESISTIVITY VERSUS DEPTH CURVES
Location : Prayan, Srimulyo, Piyungan, PDAM-Bantul-11

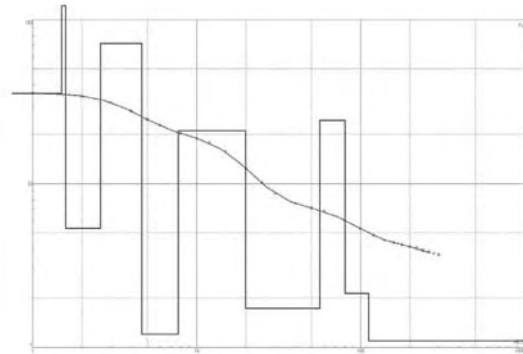


INTERPRETATION : PDAM-BANTUL-11

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 0,9 | 12,3 | Soil |
| 2 | 0,9 1,4 | 1,6 | Clay |
| 3 | 1,4 2,5 | 14 | Sandy clay |
| 4 | 2,5 4,4 | 0,8 | Clay |
| 5 | 4,4 6,2 | 5,6 | Clay |
| 6 | 6,2 14 | 2,3 | Clay |
| 7 | 14 30 | 76 | Coarse sand |
| 8 | 30 39 | 15 | Sandy clay |
| 9 | 39 49 | 0,2 | Clay |
| 10 | 49 136 | 21 | Sandstone |
| 11 | 136 174 | 11 | Sandy clay |
| 12 | > 174 | 57 | Coarse sand |

Bantul(PDAM) No.11

RESISTIVITY VERSUS DEPTH CURVES
 Location : Karangploso, Sitimulyo, Piyungan, PDAM-Bantul-12

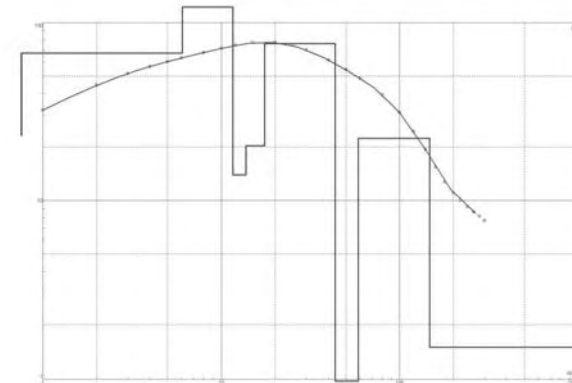


INTERPRETATION : PDAM-BANTUL-12

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 1,5 | 36 | Soil |
| 2 | 1,5 1,7 | 327 | Breccia |
| 3 | 1,7 2,6 | 5,3 | Clay |
| 4 | 2,6 4,6 | 72 | Coarse sand |
| 5 | 4,6 7,7 | 1,2 | Clay |
| 6 | 7,7 20 | 21 | Sandstone |
| 7 | 20 56 | 1,7 | Clay |
| 8 | 56 80 | 24 | Sandstone |
| 9 | 80 112 | 2,1 | Clay |
| 10 | > 112 | 1,1 | Clay |

Bantul(PDAM) No.12

RESISTIVITY VERSUS DEPTH CURVES
 Location : Sampaan, Sitimulyo, Piyungan, PDAM-Bantul-13

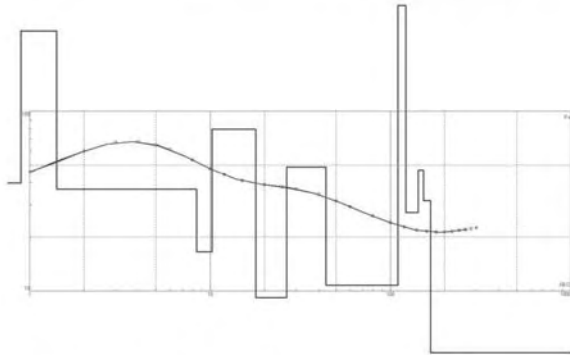


INTERPRETATION : PDAM-BANTUL-13

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 - 0,5 | 23 | Soil |
| 2 | 0,5 - 6,1 | 67 | Coarse sand |
| 3 | 6,1 - 11,6 | 172 | Breccia |
| 4 | 11,6 - 13,7 | 14 | Sandy clay |
| 5 | 13,7 - 17,5 | 21 | Sandstone |
| 6 | 17,5 - 43,4 | 76 | Coarse sand |
| 7 | 43,4 - 58,6 | 1 | Clay |
| 8 | 58,6 - 147 | 22 | Sandstone |
| 9 | > 147 | 1,5 | Clay |

Bantul(PDAM) No.13

RESISTIVITY VERSUS DEPTH CURVES
 Location : Terong, Kebokuning, Dlingo, PDAM-Bantul-14

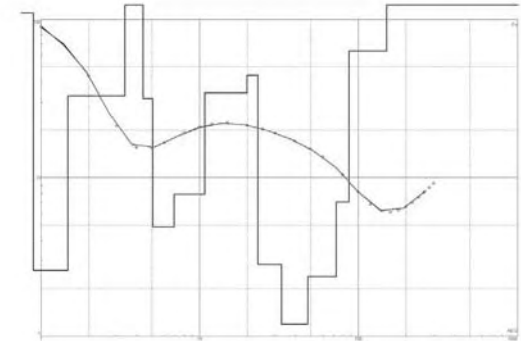


INTERPRETATION : PDAM-BANTUL-14

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-----------------|
| 1 | 0 – 0,8 | 40 | Soil |
| 2 | 0,8 – 1,4 | 37 | Sandstone |
| 3 | 1,4 – 10 | 16 | Sandy marl |
| 4 | 10 – 18 | 79 | Sandy limestone |
| 5 | 18 – 26,5 | 9,2 | Marl |
| 6 | 26,5 – 44 | 49 | Sandstone |
| 7 | 44 – 110 | 11 | Sandy marl |
| 8 | 110 – 122 | 495 | Limestone |
| 9 | 122 – 142 | 27 | Sandstone |
| 10 | 142 – 152 | 47 | Sandstone |
| 11 | 152 – 167 | 32 | Sandstone |
| 12 | > 167 | 5 | Marl |

Bantul(PDAM) No.14

RESISTIVITY VERSUS DEPTH CURVES
 Location : Kapingan, SMP I Dlingo, PDAM-Bantul-15

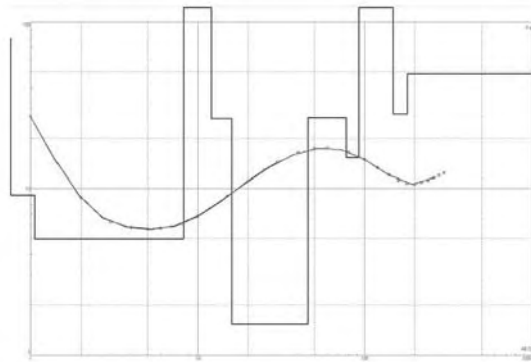


INTERPRETATION : PDAM-BANTUL-15

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-----------------|
| 1 | 0 0,8 | 109 | Soil |
| 2 | 0,8 1,5 | 2,6 | Marl |
| 3 | 1,5 3,4 | 33 | Sandstone |
| 4 | 3,4 4,4 | 161 | Limestone |
| 5 | 4,4 5,1 | 32 | Sandstone |
| 6 | 5,1 7 | 4,9 | Marl |
| 7 | 7 10,7 | 8 | Marl |
| 8 | 10,7 20 | 34 | Sandstone |
| 9 | 20 23 | 44 | Sandstone |
| 10 | 23 33 | 2,8 | Marl |
| 11 | 33 48 | 1,2 | Marl |
| 12 | 48 72 | 2,5 | Marl |
| 13 | 72 87 | 7 | Marl |
| 14 | 87 150 | 63 | Sandy limestone |
| 15 | > 150 | 153 | Limestone |

Bantul(PDAM) No.15

RESISTIVITY VERSUS DEPTH CURVES
Location : Kecamatan Dlingo office, PDAM-Bantul-16

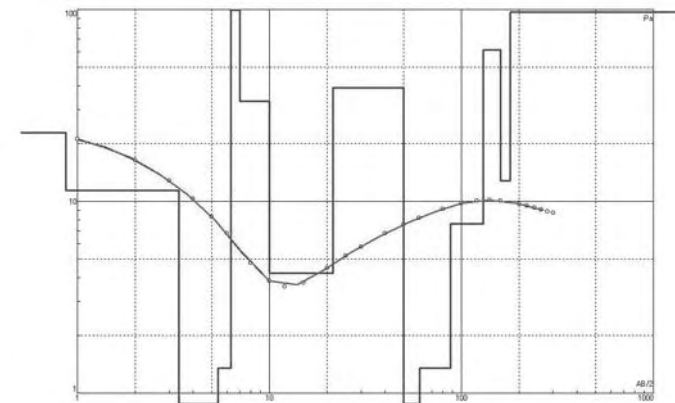


INTERPRETATION : PDAM-BANTUL-16

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|------------|
| 1 | 0 0,3 | 79 | Soil |
| 2 | 0,3 1,5 | 10 | Marl |
| 3 | 1,5 8,2 | 5 | Marl |
| 4 | 8,2 12 | 237 | Limestone |
| 5 | 12 16 | 26 | Sandstone |
| 6 | 16 45 | 1,5 | Marl |
| 7 | 45 78 | 26 | Sandstone |
| 8 | 78 92,5 | 15 | Sandy marl |
| 9 | 92,5 148 | 1542 | Limestone |
| 10 | 148 180 | 28 | Sandstone |
| 11 | > 180 | 48 | Sandstone |

Bantul(PDAM) No.16

RESISTIVITY VERSUS DEPTH CURVES
Location : Imogiri, PDAM - Bantul-17

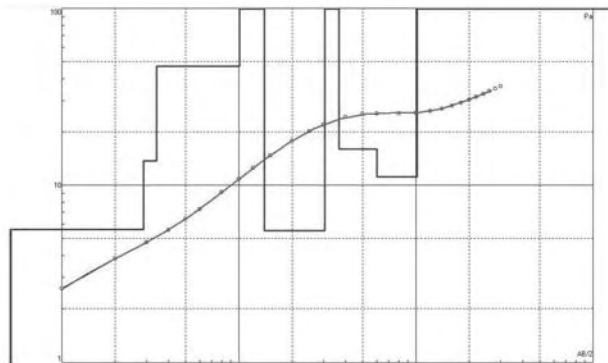


INTERPRETATION : PDAM-BANTUL-17

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 3,4 | 11 | Soil |
| 2 | 3,4 5,4 | 0,8 | Clay |
| 3 | 5,4 6,3 | 1,3 | Clay |
| 4 | 6,3 7 | 109 | Breccia |
| 5 | 7 10 | 33 | Sandstone |
| 6 | 10 21 | 4,2 | Clay |
| 7 | 21 50 | 39 | Sandstone |
| 8 | 50 60 | 0,6 | Clay |
| 9 | 60 88 | 1,3 | Clay |
| 10 | 88 129 | 7,6 | Clay |
| 11 | 129 159 | 61 | Coarse sand |
| 12 | 159 179 | 13 | Sandy clay |
| 13 | > 179 | 97 | Coarse sand |

Bantul(PDAM) No.17

RESISTIVITY VERSUS DEPTH CURVES
 Location : SPN (Police School), PDAM - Bantul-18

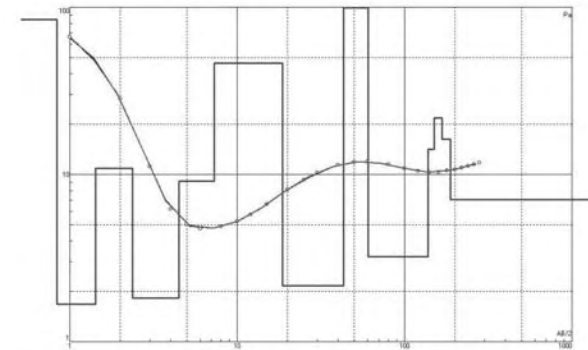


INTERPRETATION : PDAM-BANTUL-18

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|------------------------|-------------------------|------------|
| 1 | 0 – 0,2 | 1 | Soil |
| 2 | 0,2 – 2,8 | 5,6 | Clay |
| 3 | 2,8 – 3,4 | 13,7 | Sandy clay |
| 4 | 3,4 – 10 | 47 | Sandstone |
| 5 | 10 – 14 | 165 | Breccia |
| 6 | 14 – 30 | 5,5 | Clay |
| 7 | 30 – 37 | 602 | Breccia |
| 8 | 37 – 60 | 16 | Sandy clay |
| 9 | 60 – 102 | 11 | Sandy clay |
| 10 | 102 – 174 | 134 | Breccia |
| 11 | > 174 | 410 | Breccia |

Bantul(PDAM) No.18

RESISTIVITY VERSUS DEPTH CURVES
 Location : Becari, Seloharjo, Imogiri, PDAM - Bantul-19

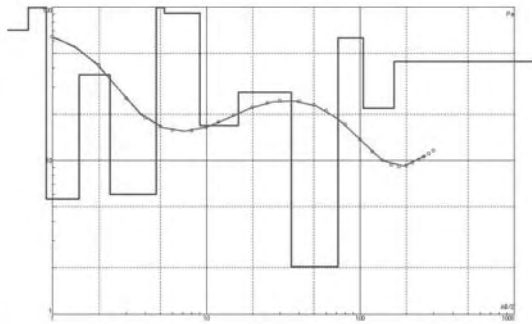


INTERPRETATION : PDAM-BANTUL-19

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|------------------------|-------------------------|------------|
| 1 | 0 – 0,8 | 85 | Soil |
| 2 | 0,8 – 1,4 | 1,6 | Clay |
| 3 | 1,4 – 2,3 | 11 | Sandy clay |
| 4 | 2,3 – 4,5 | 1,8 | Clay |
| 5 | 4,5 – 7,2 | 9 | Clay |
| 6 | 7,2 – 18,7 | 46 | Sandstone |
| 7 | 18,7 – 43 | 2,2 | Clay |
| 8 | 43 – 61 | 183 | Breccia |
| 9 | 61 – 138 | 3 | Clay |
| 10 | 138 – 151 | 14 | Sandy clay |
| 11 | 151 – 167 | 22 | Sandstone |
| 12 | 167 – 187 | 16 | Sandy clay |
| 13 | > 187 | 7 | Clay |

Bantul(PDAM) No.19

RESISTIVITY VERSUS DEPTH CURVES
 Location : Wonoduro, Bambanglipuro, PDAM - Bantul-20

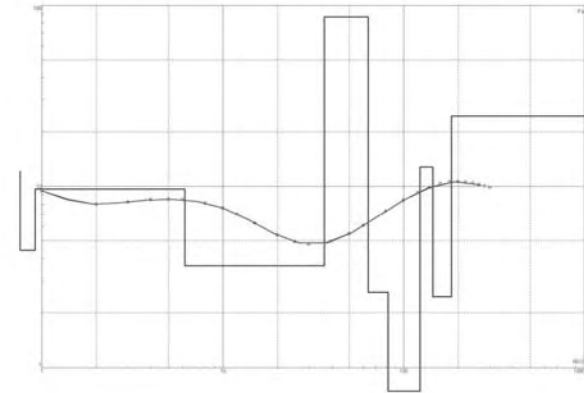


INTERPRETATION : PDAM-BANTUL-20

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITHOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 - 0,6 | 71 | Soil |
| 2 | 0,6 - 0,9 | 116 | Breccia |
| 3 | 0,9 - 1,5 | 5,6 | Clay |
| 4 | 1,5 - 2,4 | 36 | Clay |
| 5 | 2,4 - 4,7 | 6 | Clay |
| 6 | 4,7 - 5,3 | 125 | Breccia |
| 7 | 5,3 - 9 | 91 | Coarse sand |
| 8 | 9 - 16 | 17 | Sandy clay |
| 9 | 16 - 35,6 | 27 | Sandstone |
| 10 | 35,6 - 72 | 2 | Clay |
| 11 | 72 - 105 | 63 | Coarse sand |
| 12 | 105 - 166 | 22 | Sandstone |
| 13 | > 166 | 44 | Sandstone |

Bantul(PDAM) No.20

RESISTIVITY VERSUS DEPTH CURVES
 Location : Ciren, Triharjo, Pandak, PU-Bantul- 01

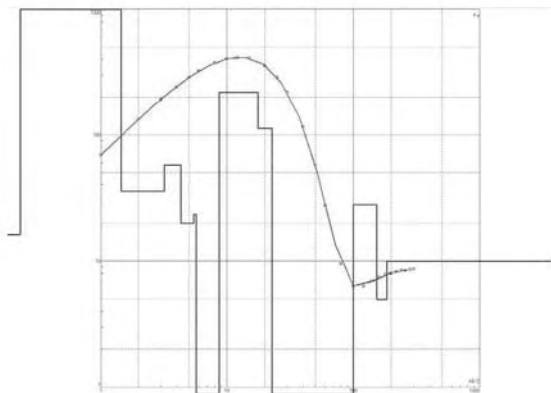


INTERPRETATION : PU-BANTUL-01

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 - 0,5 | 12 | Soil |
| 2 | 0,5 - 0,9 | 4,4 | Clay |
| 3 | 0,9 - 6,2 | 9,7 | Clay |
| 4 | 6,2 - 36,4 | 3,6 | Clay |
| 5 | 36,4 - 63,8 | 86 | Coarse sand |
| 6 | 63,8 - 82 | 2,5 | Clay |
| 7 | 82 - 123 | 0,1 | Clay |
| 8 | 123 - 145 | 12,8 | Sandy Clay |
| 9 | 145 - 183 | 2,4 | Clay |
| 10 | > 183 | 25 | Sandstone |

Bantul(PU) No.1

RESISTIVITY VERSUS DEPTH CURVES
 Location : Kuwaru beach, Poncosari, Srandakan, PU-Bantul- 02

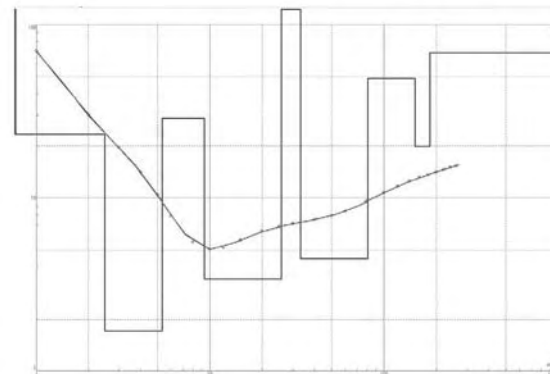


INTERPRETATION : PU-BANTUL-02

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLGY |
|----|------------------------|--------------------------|-------------|
| 1 | 0 0,2 | 16,2 | Soil |
| 2 | 0,2 1,4 | 66 | Coarse sand |
| 3 | 1,4 3,2 | 36 | Sandstone |
| 4 | 3,2 4,3 | 57 | Coarse sand |
| 5 | 4,3 5,4 | 20 | Sandstone |
| 6 | 5,4 5,7 | 23,5 | Sandstone |
| 7 | 5,7 8,6 | 0,2 | Clay |
| 8 | 8,6 17,6 | 218 | Breccia |
| 9 | 17,6 22,7 | 113 | Breccia |
| 10 | 22,7 100 | 0,2 | Clay |
| 11 | 100 153 | 28 | Sandstone |
| 12 | 153 183 | 4,9 | Clay |
| 13 | > 183 | 10 | Clay |

Bantul(PU) No.2

RESISTIVITY VERSUS DEPTH CURVES
 Location : Grogol, Parangtritis, Kretek, PU-Bantul-03

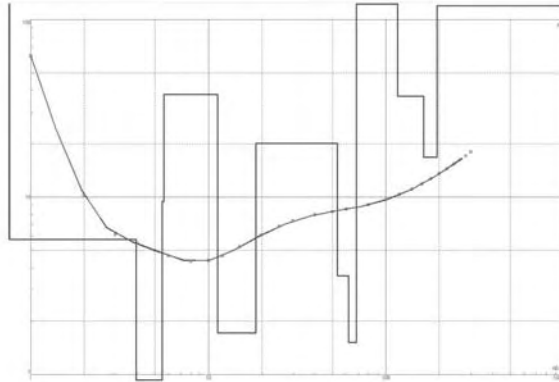


INTERPRETATION : PU-BANTUL-03

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLGY |
|----|-------------------------|--------------------------|-------------|
| 1 | 0 0,5 | 125 | Soil |
| 2 | 0,5 2,4 | 23 | Sandstone |
| 3 | 2,4 5,3 | 1,7 | Clay |
| 4 | 5,3 9,3 | 28,8 | Sandstone |
| 5 | 9,3 25,7 | 3,4 | Clay |
| 6 | 25,7 33,2 | 204 | Breccia |
| 7 | 33,2 81 | 4,5 | Clay |
| 8 | 81 150 | 49 | Sandstone |
| 9 | 150 183 | 20 | Sandstone |
| 10 | > 183 | 68 | Coarse sand |

Bantul(PU) No.3

RESISTIVITY VERSUS DEPTH CURVES
Location : Soka, Seloharjo, Pundong, PU-Bantul-04

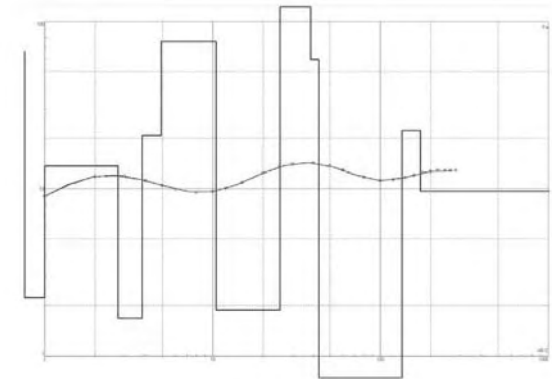


INTERPRETATION : PU-BANTUL-04

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|-------------|
| 1 | 0 – 0,2 | 1338 | Soil |
| 2 | 0,2 – 0,6 | 67 | Coarse sand |
| 3 | 0,6 – 3,9 | 5,7 | Clay |
| 4 | 3,9 – 5,5 | 1 | Clay |
| 5 | 5,5 – 5,6 | 9,5 | Clay |
| 6 | 5,6 – 11,2 | 37,7 | Sandstone |
| 7 | 11,2 – 18,5 | 1,7 | Clay |
| 8 | 18,5 – 53 | 20 | Sandstone |
| 9 | 53 – 61,7 | 3,6 | Clay |
| 10 | 61,7 – 68 | 1,5 | Clay |
| 11 | 68 – 116 | 368 | Breccia |
| 12 | 116 – 163 | 37 | Sandstone |
| 13 | 163 – 194 | 17 | Sandy clay |
| 14 | > 194 | 154 | Breccia |

Bantul(PU) No.4

RESISTIVITY VERSUS DEPTH CURVES
Location : Karangasem, Wukirsari, Imogiri, PU-Bantul-05

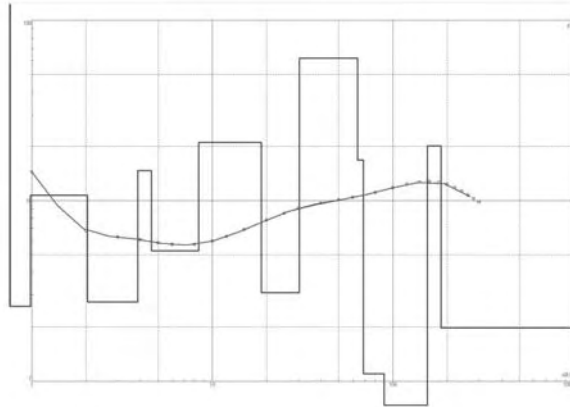


INTERPRETATION : PU-BANTUL-05

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|---------------------------|-------------|
| 1 | 0 0,2 | 3,3 | Soil |
| 2 | 0,2 0,5 | 65 | Coarse sand |
| 3 | 0,5 0,9 | 2,2 | Clay |
| 4 | 0,9 2,7 | 13,6 | Sandy clay |
| 5 | 2,7 3,8 | 1,7 | Clay |
| 6 | 3,8 5 | 21 | Sandstone |
| 7 | 5 10,5 | 76 | Coarse sand |
| 8 | 10,5 25,2 | 1,8 | Clay |
| 9 | 25,2 38,4 | 240 | Breccia |
| 10 | 38,4 43 | 59 | Coarse sand |
| 11 | 43 134 | 0,3 | Clay |
| 12 | 134 173 | 22 | Sandstone |
| 13 | > 173 | 9,6 | Clay |

Bantul(PU) No.5

RESISTIVITY VERSUS DEPTH CURVES
 Location : Srumbung, Segoroyoso, Pleret, PU-Bantul-06

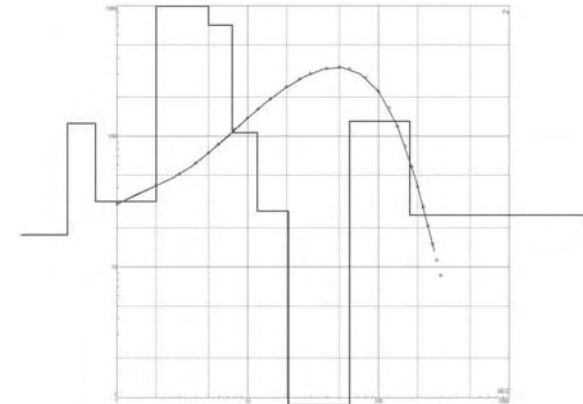


INTERPRETATION : PU-BANTUL-06

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|-------------|
| 1 | 0 – 0,1 | 674 | Soil |
| 2 | 0,1 – 0,6 | 26,5 | Sandstone |
| 3 | 0,6 – 1 | 2,6 | Clay |
| 4 | 1 – 2 | 11 | Sandy clay |
| 5 | 2 – 3,8 | 2,7 | Clay |
| 6 | 3,8 – 4,6 | 15 | Sandy clay |
| 7 | 4,6 – 8,4 | 5,2 | Clay |
| 8 | 8,4 – 18,6 | 21 | Sandstone |
| 9 | 18,6 – 30,4 | 3,1 | Clay |
| 10 | 30,4 – 64 | 62 | Coarse sand |
| 11 | 64 – 69 | 17 | Sandy clay |
| 12 | 69 – 89,4 | 1,1 | Clay |
| 13 | 89,4 – 155 | 0,3 | Clay |
| 14 | 155 – 184 | 21 | Sandstone |
| 15 | > 184 | 2 | Clay |

Bantul(PU) No.6

RESISTIVITY VERSUS DEPTH CURVES
 Location : Beneran, Purwobinangun, Pakem, Sleman-07

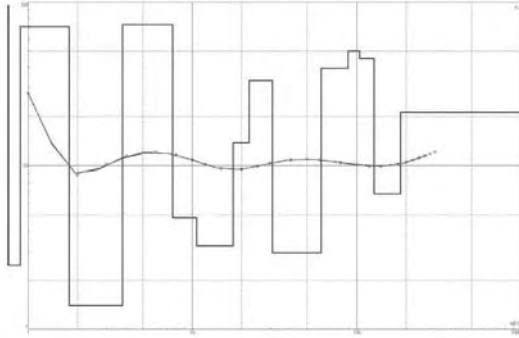


INTERPRETATION : SLEMAN - 07

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|--------------------------|---------------------------|--|
| 1 | 0 – 0,4 | 17,6 | Soil |
| 2 | 0,4 – 0,7 | 125 | Sandy breccia |
| 3 | 0,7 – 2 | 31,5 | Andesite lava |
| 4 | 2 – 5 | 5591 | Compact and massive Lava |
| 5 | 5 – 7,6 | 713 | Volcanic breccia with andesite fragments |
| 6 | 7,6 – 11,9 | 106 | Sandy breccia |
| 7 | 11,9 – 20,4 | 27 | Volcanic sandstone |
| 8 | 20,4 – 60 | 0,8 | Tuff |
| 9 | 60 - 173 | 130 | Sandy breccia |
| 10 | > 173 | 25 | Volcanic sandstone |

Bantul(PU) No.7

RESISTIVITY VERSUS DEPTH CURVES
 Location : Kaligatuk, Srimulyo, Piyungan, PU-Bantul-08

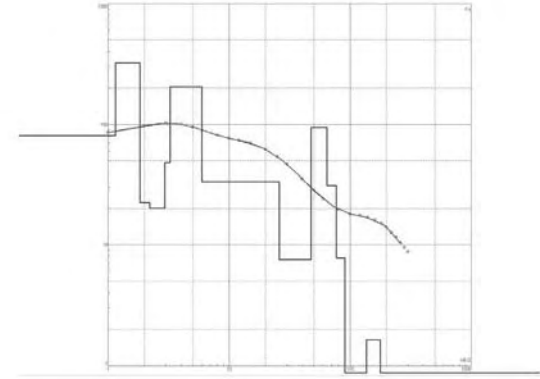


INTERPRETATION : PU-BANTUL-08

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|-------------|
| 1 | 0 0,3 | 95 | Soil |
| 2 | 0,3 0,9 | 2,4 | Clay |
| 3 | 0,9 1,7 | 71 | Coarse sand |
| 4 | 1,7 3,7 | 1,4 | Clay |
| 5 | 3,7 7,5 | 73 | Coarse sand |
| 6 | 7,5 10,6 | 4,8 | Clay |
| 7 | 10,6 17,7 | 3,2 | Clay |
| 8 | 17,7 22,2 | 14 | Sandy clay |
| 9 | 22,2 31 | 33 | Sandstone |
| 10 | 31 61 | 2,9 | Clay |
| 11 | 61 88 | 39 | Sandstone |
| 12 | 88 103 | 50 | Sandstone |
| 13 | 103 127 | 45 | Sandstone |
| 14 | 127 184 | 6,7 | Clay |
| 15 | > 184 | 21 | Sandstone |

Bantul(PU) No.8

RESISTIVITY VERSUS DEPTH CURVES
 Location : Terong, Dlingo, PU-Bantul-09

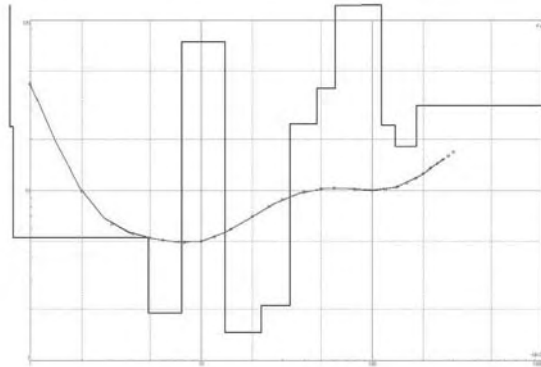


INTERPRETATION : PU-BANTUL-09

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|-----------------|
| 1 | 0 - 1,1 | 81 | Soil |
| 2 | 1,1 1,8 | 323 | Limestone |
| 3 | 1,8 2,2 | 22 | Sandstone |
| 4 | 2,2 2,9 | 20 | Sandstone |
| 5 | 2,9 3,2 | 48 | Sandstone |
| 6 | 3,2 6 | 203 | Limestone |
| 7 | 6 26 | 34 | Sandstone |
| 8 | 26 47 | 7,5 | Marl |
| 9 | 47 64 | 95 | Sandy limestone |
| 10 | 64 77 | 31 | Sandstone |
| 11 | 77 90 | 7,7 | Marl |
| 12 | 90 136 | 0,3 | Marl |
| 13 | 136 178 | 1,6 | Marl |
| 14 | > 178 | 0,5 | Marl |

Bantul(PU) No.9

RESISTIVITY VERSUS DEPTH CURVES
Location : Temuwuh, Tekik, Dlingo, PU-Bantul-10

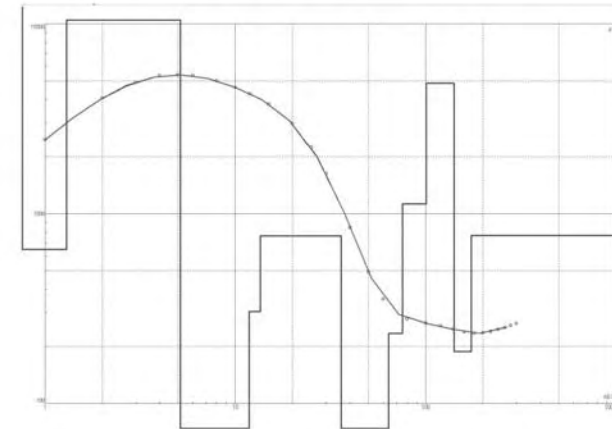


INTERPRETATION : PU-BANTUL-10

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|-----------------|
| 1 | 0 - 0,2 | 253 | Soil |
| 2 | 0,2 - 0,8 | 23 | Sandstone |
| 3 | 0,8 - 4,8 | 5,2 | Marl |
| 4 | 4,8 - 7,7 | 1,9 | Marl |
| 5 | 7,7 - 13,7 | 74 | Sandy limestone |
| 6 | 13,7 - 22 | 1,5 | Marl |
| 7 | 22 - 33 | 2 | Marl |
| 8 | 33 - 47 | 25 | Sandstone |
| 9 | 47 - 61 | 40 | Sandstone |
| 10 | 61 - 87 | 269 | Limestone |
| 11 | 87 - 113 | 123 | Limestone |
| 12 | 113 - 135 | 24 | Sandstone |
| 13 | 135 - 181 | 18 | Sandy marl |
| 14 | > 181 | 31 | Sandstone |

Bantul(PU) No.10

RESISTIVITY VERSUS DEPTH CURVES
Location : Tanen, Hargobinangun, Pakem, Sleman-11

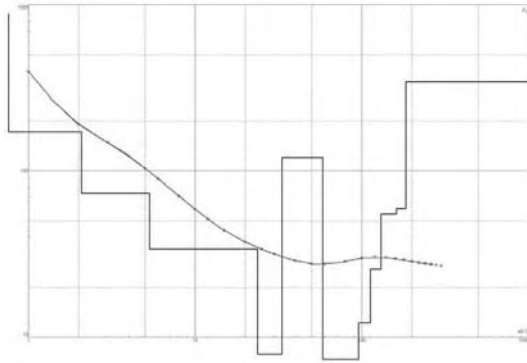


INTERPRETATION : SLEMAN - 11

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|--|
| 1 | 0 - 0,5 | 14751 | Soil |
| 2 | 0,5 - 1,3 | 647 | Volcanic breccia with andesite fragments |
| 3 | 1,3 - 5,1 | 10474 | Compact and massive Lava |
| 4 | 5,1 - 8,5 | 55 | Coarse sand |
| 5 | 8,5 - 11,3 | 58 | Coarse sand |
| 6 | 11,3 - 11,8 | 48 | Volcanic sandstone |
| 7 | 11,8 - 13,8 | 305 | Volcanic breccia with andesite fragments |
| 8 | 13,8 - 35,9 | 763 | Volcanic breccia with andesite fragments |
| 9 | 35,9 - 63,6 | 36,5 | Volcanic sandstone |
| 10 | 63,6 - 75,4 | 233 | Volcanic breccia with andesite fragments |
| 11 | 75,4 - 100,7 | 1124 | Andesite Lava |
| 12 | 100,7 - 150,9 | 4878 | Compact and massive Lava |
| 13 | 150,9 - 176 | 187 | Sandy breccia |
| 14 | > 176 | 766 | Volcanic breccia with andesite fragments |

Bantul(PU) No.11

RESISTIVITY VERSUS DEPTH CURVES
Location : Mangunan, Dlingo, PU-Bantul-12

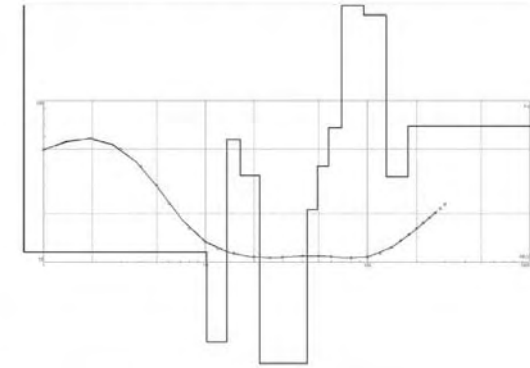


INTERPRETATION : PU-BANTUL-12

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|-----------------|
| 1 | 0 - 0,4 | 883 | Soil |
| 2 | 0,4 - 2 | 171 | Limestone |
| 3 | 2 - 5,3 | 74 | Sandy limestone |
| 4 | 5,3 - 24 | 34 | Sandstone |
| 5 | 24 - 33 | 8 | Marl |
| 6 | 33 - 58 | 119 | Limestone |
| 7 | 58 - 83 | 3,7 | Marl |
| 8 | 83 - 95 | 6,4 | Marl |
| 9 | 95 - 112 | 12,3 | Sandy marl |
| 10 | 112 - 130 | 25,5 | Sandstone |
| 11 | 130 - 161 | 54 | Sandy limestone |
| 12 | 161 - 183 | 60 | Sandy limestone |
| 13 | > 183 | 344 | Limestone |

Bantul(PU) No.12

RESISTIVITY VERSUS DEPTH CURVES
Location : Bangan, Bangunjiwo, PU-Bantul-13

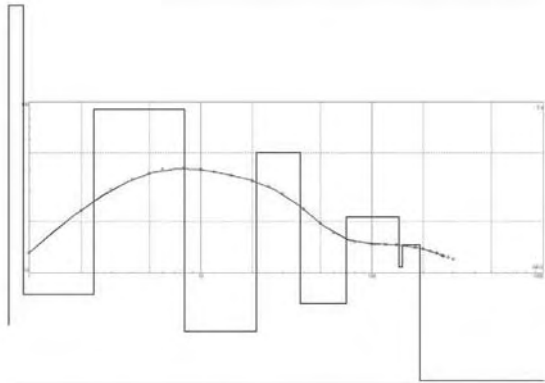


INTERPRETATION : PU-BANTUL-13

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|-------------|
| 1 | 0 - 0,2 | 17 | Soil |
| 2 | 0,2 - 0,5 | 396 | Breccia |
| 3 | 0,5 - 10,2 | 12 | Sandy clay |
| 4 | 10,2 - 13,5 | 3,2 | Clay |
| 5 | 13,5 - 16,4 | 58 | Coarse sand |
| 6 | 16,4 - 21,6 | 34 | Sandstone |
| 7 | 21,6 - 42,6 | 2,4 | Clay |
| 8 | 42,6 - 50 | 22 | Sandstone |
| 9 | 50 - 57,6 | 40 | Sandstone |
| 10 | 57,6 - 70 | 68 | Coarse sand |
| 11 | 70 - 95 | 684 | Breccia |
| 12 | 95 - 130 | 338 | Breccia |
| 13 | 130 - 176 | 34 | Sandstone |
| 14 | > 176 | 70 | Coarse sand |

Bantul(PU) No.13

RESISTIVITY VERSUS DEPTH CURVES
Location : Serut, Guwosari, Pajangan, PU-Bantul-14

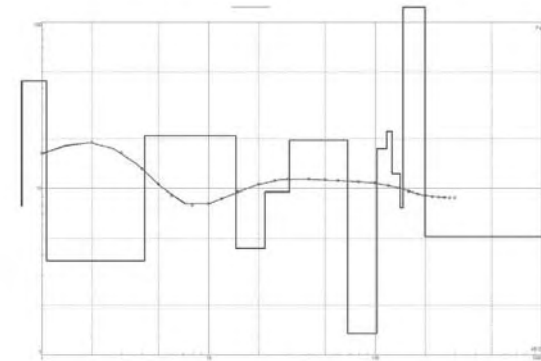


INTERPRETATION : PU-BANTUL-14

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|-----------------|
| 1 | 0 0,3 | 5 | Soil |
| 2 | 0,3 0,9 | 367 | Limestone |
| 3 | 0,9 2,4 | 7,5 | Marl |
| 4 | 2,4 8 | 90 | Sandy limestone |
| 5 | 8 21,1 | 4,5 | Marl |
| 6 | 21,2 38 | 50 | Sandstone |
| 7 | 38 71 | 6,6 | Marl |
| 8 | 71 144 | 21 | Sandstone |
| 9 | 144 151 | 11 | Sandy marl |
| 10 | 151 190 | 15 | Sandy marl |
| 11 | > 190 | 1,5 | Marl |

Bantul(PU) No.14

RESISTIVITY VERSUS DEPTH CURVES
Location : Metes, Argorejo, Sedayu, PU-Bantul-15



INTERPRETATION : PU-BANTUL-15

| No | DEPTH OF LAYER (meter) | RESISTIVITY (Ohm-meter) | LITOLOGY |
|----|------------------------|-------------------------|------------|
| 1 | 0 0,3 | 7,8 | Soil |
| 2 | 0,3 1,1 | 44 | Sandstone |
| 3 | 1,1 4,1 | 3,7 | Marl |
| 4 | 4,1 14,6 | 21 | Sandstone |
| 5 | 14,6 21,7 | 4,4 | Marl |
| 6 | 21,7 30 | 10 | Marl |
| 7 | 30 68 | 20 | Sandstone |
| 8 | 68 102 | 1,4 | Marl |
| 9 | 102 117 | 17,4 | Sandy marl |
| 10 | 117 125,7 | 22 | Sandstone |
| 11 | 125,7 141 | 12 | Sandy marl |
| 12 | 141 146 | 7,6 | Marl |
| 13 | 146 198 | 417 | Limestone |
| 14 | > 198 | 5 | Marl |

Bantul(PU) No.15