

## Anexo1

| Horizontes / camadas |                      | Profundidade    | Valores de projeto |                         |           |           |                            |                |                                     |                                         |                                |                                     |                    |                           |                          |       |  |  |  |
|----------------------|----------------------|-----------------|--------------------|-------------------------|-----------|-----------|----------------------------|----------------|-------------------------------------|-----------------------------------------|--------------------------------|-------------------------------------|--------------------|---------------------------|--------------------------|-------|--|--|--|
|                      |                      |                 | %<5μ<br>(%)        | h <sub>nat</sub><br>(%) | LL<br>(%) | IP<br>(%) | γ <sub>nat</sub><br>(T/m³) | e <sub>o</sub> | C <sub>c</sub> /(1+e <sub>o</sub> ) | C <sub>e</sub> / C <sub>c</sub><br>(**) | σ' <sub>pread</sub><br>(T/m²)* | S <sub>u</sub> (in situ)<br>(T/m²)* | Su/σ' <sub>a</sub> | C <sub>h</sub><br>(cm²/s) | k <sub>h</sub><br>(cm/s) |       |  |  |  |
| Horizonte 1          | camada superficial   | 0 a 3m          | 36                 | 73,5                    | 78,2      | 47,1      | 1,56                       | 2,08           | 0,28                                | 0,112                                   | 0,16+0,47z                     | 0,05+0,12z                          | 0,26               | 2,5x10 <sup>-3</sup>      | 5x10 <sup>-7</sup>       |       |  |  |  |
|                      | camada intermediária | 3 a 6m          |                    |                         |           |           |                            |                |                                     |                                         | 1,40+0,47z                     | 0,40+0,12z                          |                    |                           |                          |       |  |  |  |
|                      | camada profunda      | 6 a 9m          |                    |                         |           |           |                            |                |                                     |                                         | 3,00+0,47z                     | 0,90+0,12z                          |                    |                           |                          |       |  |  |  |
| Horizonte 2          |                      | camada profunda | 9 a 18m            | 63                      | 94,4      | 124,1     | 79,6                       | 1,44           | 2,79                                | 0,36                                    |                                |                                     |                    |                           |                          | 0,126 |  |  |  |
| Horizonte 3          |                      |                 | > 18m              | 49                      | 70,0      | 89,0      | 54,3                       | 1,57           | 2,08                                | 0,29                                    |                                |                                     |                    |                           |                          | 0,146 |  |  |  |

|          | Camada total do aluvião |       |                 |        |        |          |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|----------|--------|------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc       | Cr     | ΔHo  |
| SP 125   | 29,4                    | 0-3   | 2,42            | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 1,18 |
| SP 125   | 29,4                    | 3-6   | 2,42            | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,27 |
| SP 125   | 29,4                    | 6-9   | 2,42            | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,13 |
| SP 125   | 29,4                    | 9-12  | 2,42            | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,15 |
| SP 125   | 29,4                    | 12-15 | 2,42            | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,14 |
| SP 125   | 29,4                    | 15-18 | 2,42            | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,13 |
| SP 125   | 29,4                    | 18-21 | 2,42            | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,10 |
| SP 125   | 29,4                    | 21-24 | 2,42            | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,10 |
| SP 125   | 29,4                    | 24-27 | 2,42            | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,09 |
|          |                         |       |                 |        |        | soma Δho |        | 2,29 |
|          |                         |       |                 |        |        | ΔHf      |        | 2,3  |

| Sondagem | Camada<br>total do<br>aluvião | Faixa | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
|          | mole                          |       |                    |        |        |                 |        |      |
| SP 124   | 31,2                          | 0-3   | -0,78              | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,48 |
| SP 124   | 31,2                          | 3-6   | -0,78              | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,35 |
| SP 124   | 31,2                          | 6-9   | -0,78              | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,21 |
| SP 124   | 31,2                          | 9-12  | -0,78              | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,25 |
| SP 124   | 31,2                          | 12-15 | -0,78              | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,22 |
| SP 124   | 31,2                          | 15-18 | -0,78              | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,21 |
| SP 124   | 31,2                          | 18-21 | -0,78              | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SP 124   | 31,2                          | 21-24 | -0,78              | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SP 124   | 31,2                          | 24-27 | -0,78              | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SP 124   | 31,2                          | 27-30 | -0,78              | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
| SP 124   | 31,2                          | 30-33 | -0,78              | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
|          |                               |       |                    |        |        | <b>soma Δho</b> |        | 2,42 |
|          |                               |       |                    |        |        | <b>ΔHf</b>      |        | 2,42 |

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |          |          |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|----------|----------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr       | ΔHo      |
| SP 116   | 31                      | 0-3   | 2,73            | 0,0208 | 1,0208 | 0,285824        | 0,032012 | 1,2295   |
| SP 116   | 31                      | 3-6   | 2,73            | 0,0208 | 1,0208 | 0,285824        | 0,032012 | 0,265851 |
| SP 116   | 31                      | 6-9   | 2,73            | 0,0208 | 1,0208 | 0,285824        | 0,032012 | 0,127233 |
| SP 116   | 31                      | 9-12  | 2,73            | 0,0279 | 1,0279 | 0,370044        | 0,046626 | 0,147194 |
| SP 116   | 31                      | 12-15 | 2,73            | 0,0279 | 1,0279 | 0,370044        | 0,046626 | 0,136633 |
| SP 116   | 31                      | 15-18 | 2,73            | 0,0279 | 1,0279 | 0,370044        | 0,046626 | 0,128672 |
| SP 116   | 31                      | 18-21 | 2,73            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,096971 |
| SP 116   | 31                      | 21-24 | 2,73            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,092986 |
| SP 116   | 31                      | 24-27 | 2,73            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,089717 |
| SP 116   | 31                      | 27-30 | 2,73            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,087669 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |          | 2,402427 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |          | 2,4      |

| Sondagem | Camada<br>total do<br>aluvião | Faixa | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
|          | mole                          |       |                    |        |        |                 |        |      |
| SP 122   | 33,9                          | 0-3   | 0,5                | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,84 |
| SP 122   | 33,9                          | 3-6   | 0,5                | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,32 |
| SP 122   | 33,9                          | 6-9   | 0,5                | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,17 |
| SP 122   | 33,9                          | 9-12  | 0,5                | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,20 |
| SP 122   | 33,9                          | 12-15 | 0,5                | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,18 |
| SP 122   | 33,9                          | 15-18 | 0,5                | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 122   | 33,9                          | 18-21 | 0,5                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,12 |
| SP 122   | 33,9                          | 21-24 | 0,5                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,12 |
| SP 122   | 33,9                          | 24-27 | 0,5                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 122   | 33,9                          | 27-30 | 0,5                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 122   | 33,9                          | 30-33 | 0,5                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 122   | 33,9                          | 33-36 | 0,5                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
|          |                               |       |                    |        |        | <b>soma Δho</b> |        | 2,54 |
|          |                               |       |                    |        |        | <b>ΔHf</b>      |        | 2,54 |

| Sondagem | Camada<br>total do<br>aluvião | Faixa | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
|          | mole                          |       |                    |        |        |                 |        |      |
| SP 123   | 32,3                          | 0-3   | -0,4               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,74 |
| SP 123   | 32,3                          | 3-6   | -0,4               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,41 |
| SP 123   | 32,3                          | 6-9   | -0,4               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,24 |
| SP 123   | 32,3                          | 9-12  | -0,4               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,28 |
| SP 123   | 32,3                          | 12-15 | -0,4               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,25 |
| SP 123   | 32,3                          | 15-18 | -0,4               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,23 |
| SP 123   | 32,3                          | 18-21 | -0,4               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,17 |
| SP 123   | 32,3                          | 21-24 | -0,4               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SP 123   | 32,3                          | 24-27 | -0,4               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SP 123   | 32,3                          | 27-30 | -0,4               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SP 123   | 32,3                          | 30-33 | -0,4               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
|          |                               |       |                    |        |        | <b>soma Δho</b> |        | 2,90 |
|          |                               |       |                    |        |        | <b>ΔHf</b>      |        | 2,9  |

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 04    | 30,7                    | 0-3   | 2               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 1,11 |
| SP 04    | 30,7                    | 3-6   | 2               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,28 |
| SP 04    | 30,7                    | 6-9   | 2               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,14 |
| SP 04    | 30,7                    | 9-12  | 2               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 04    | 30,7                    | 12-15 | 2               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SP 04    | 30,7                    | 15-18 | 2               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,14 |
| SP 04    | 30,7                    | 18-21 | 2               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 04    | 30,7                    | 21-24 | 2               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 04    | 30,7                    | 24-27 | 2               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 04    | 30,7                    | 27-30 | 2               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,37 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,38 |

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 121   | 32                      | 0-3   | 0,45            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,83 |
| SP 121   | 32                      | 3-6   | 0,45            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,32 |
| SP 121   | 32                      | 6-9   | 0,45            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,17 |
| SP 121   | 32                      | 9-12  | 0,45            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,20 |
| SP 121   | 32                      | 12-15 | 0,45            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,18 |
| SP 121   | 32                      | 15-18 | 0,45            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 121   | 32                      | 18-21 | 0,45            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,12 |
| SP 121   | 32                      | 21-24 | 0,45            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,12 |
| SP 121   | 32                      | 24-27 | 0,45            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 121   | 32                      | 27-30 | 0,45            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 121   | 32                      | 30-33 | 0,45            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,43 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,42 |

|          | Camada<br>total do<br>aluvião |       | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                          | Faixa |                    |        |        |                 |        |      |
| SP 03    | 33,25                         | 0-3   | 1,36               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 1,03 |
| SP 03    | 33,25                         | 3-6   | 1,36               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,32 |
| SP 03    | 33,25                         | 6-9   | 1,36               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,17 |
| SP 03    | 33,25                         | 9-12  | 1,36               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,19 |
| SP 03    | 33,25                         | 12-15 | 1,36               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,18 |
| SP 03    | 33,25                         | 15-18 | 1,36               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 03    | 33,25                         | 18-21 | 1,36               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,12 |
| SP 03    | 33,25                         | 21-24 | 1,36               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,12 |
| SP 03    | 33,25                         | 24-27 | 1,36               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 03    | 33,25                         | 27-30 | 1,36               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 03    | 33,25                         | 30-33 | 1,36               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
|          |                               |       |                    |        |        | <b>soma Δho</b> |        | 2,62 |
|          |                               |       |                    |        |        | <b>ΔHf</b>      |        | 2,62 |

|          | Camada<br>total do<br>aluvião |       | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                          | Faixa |                    |        |        |                 |        |      |
| SP 115   | 32                            | 0-3   | 1,49               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,60 |
| SP 115   | 32                            | 3-6   | 1,49               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,29 |
| SP 115   | 32                            | 6-9   | 1,49               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,15 |
| SP 115   | 32                            | 9-12  | 1,49               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,17 |
| SP 115   | 32                            | 12-15 | 1,49               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 115   | 32                            | 15-18 | 1,49               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SP 115   | 32                            | 18-21 | 1,49               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 115   | 32                            | 21-24 | 1,49               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 115   | 32                            | 24-27 | 1,49               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 115   | 32                            | 27-30 | 1,49               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 115   | 32                            | 30-33 | 1,49               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
|          |                               |       |                    |        |        | <b>soma Δho</b> |        | 2,02 |
|          |                               |       |                    |        |        | <b>ΔHf</b>      |        | 2    |

| Sondagem | Camada total do aluvião |       | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa |                 |        |        |                 |        |      |
| SP 08    | 34                      | 0-3   | 2,14            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,86 |
| SP 08    | 34                      | 3-6   | 2,14            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,16 |
| SP 08    | 34                      | 6-9   | 2,14            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,04 |
| SP 08    | 34                      | 9-12  | 2,14            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,06 |
| SP 08    | 34                      | 12-15 | 2,14            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,06 |
| SP 08    | 34                      | 15-18 | 2,14            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,06 |
| SP 08    | 34                      | 18-21 | 2,14            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,05 |
| SP 08    | 34                      | 21-24 | 2,14            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,05 |
| SP 08    | 34                      | 24-27 | 2,14            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,05 |
| SP 08    | 34                      | 27-30 | 2,14            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,05 |
| SP 08    | 34                      | 30-33 | 2,14            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,05 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 1,49 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 1,5  |

|          | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 09    | 31,3                    | 0-3   | 1,43            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 1,03 |
| SP 09    | 31,3                    | 3-6   | 1,43            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,30 |
| SP 09    | 31,3                    | 6-9   | 1,43            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,16 |
| SP 09    | 31,3                    | 9-12  | 1,43            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,18 |
| SP 09    | 31,3                    | 12-15 | 1,43            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,17 |
| SP 09    | 31,3                    | 15-18 | 1,43            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 09    | 31,3                    | 18-21 | 1,43            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,12 |
| SP 09    | 31,3                    | 21-24 | 1,43            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 09    | 31,3                    | 24-27 | 1,43            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 09    | 31,3                    | 27-30 | 1,43            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,43 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,43 |

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 02    | 30                      | 0-3   | 1,07            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,90 |
| SP 02    | 30                      | 3-6   | 1,07            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,28 |
| SP 02    | 30                      | 6-9   | 1,07            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,14 |
| SP 02    | 30                      | 9-12  | 1,07            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 02    | 30                      | 12-15 | 1,07            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SP 02    | 30                      | 15-18 | 1,07            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,14 |
| SP 02    | 30                      | 18-21 | 1,07            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 02    | 30                      | 21-24 | 1,07            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 02    | 30                      | 24-27 | 1,07            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 02    | 30                      | 27-30 | 1,07            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,14 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,15 |

## Anexo2

| Sondagem | Camada total do aluvião |       |                 |        |        |                                     |        |              |
|----------|-------------------------|-------|-----------------|--------|--------|-------------------------------------|--------|--------------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc                                  | Cr     | $\Delta H_o$ |
| SP 114   | 30,9                    | 0-3   | 1,52            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 1,02         |
| SP 114   | 30,9                    | 3-6   | 1,52            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,29         |
| SP 114   | 30,9                    | 6-9   | 1,52            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,15         |
| SP 114   | 30,9                    | 9-12  | 1,52            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,17         |
| SP 114   | 30,9                    | 12-15 | 1,52            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,15         |
| SP 114   | 30,9                    | 15-18 | 1,52            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,14         |
| SP 114   | 30,9                    | 18-21 | 1,52            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,11         |
| SP 114   | 30,9                    | 21-24 | 1,52            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
| SP 114   | 30,9                    | 24-27 | 1,52            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
| SP 114   | 30,9                    | 27-30 | 1,52            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
|          |                         |       |                 |        |        | <b>soma <math>\Delta H_o</math></b> |        | 2,33         |
|          |                         |       |                 |        |        | <b><math>\Delta H_f</math></b>      |        | 2,33         |

| Sondagem | Camada total do aluvião |       |                 |        |        |                                     |        |              |
|----------|-------------------------|-------|-----------------|--------|--------|-------------------------------------|--------|--------------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc                                  | Cr     | $\Delta H_o$ |
| SP 112   | 32                      | 0-3   | 1,47            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,98         |
| SP 112   | 32                      | 3-6   | 1,47            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,30         |
| SP 112   | 32                      | 6-9   | 1,47            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,15         |
| SP 112   | 32                      | 9-12  | 1,47            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,18         |
| SP 112   | 32                      | 12-15 | 1,47            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,16         |
| SP 112   | 32                      | 15-18 | 1,47            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,15         |
| SP 112   | 32                      | 18-21 | 1,47            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,11         |
| SP 112   | 32                      | 21-24 | 1,47            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,11         |
| SP 112   | 32                      | 24-27 | 1,47            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
| SP 112   | 32                      | 27-30 | 1,47            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
| SP 112   | 32                      | 30-33 | 1,47            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
|          |                         |       |                 |        |        | <b>soma <math>\Delta H_o</math></b> |        | 2,44         |
|          |                         |       |                 |        |        | <b><math>\Delta H_f</math></b>      |        | 2,45         |

| Sondagem | Camada<br>total do<br>aluvião<br>mole | Faixa | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|---------------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
| SP 103   | 38,55                                 | 0-3   | 0,3                | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,74 |
| SP 103   | 38,55                                 | 3-6   | 0,3                | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,29 |
| SP 103   | 38,55                                 | 6-9   | 0,3                | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,15 |
| SP 103   | 38,55                                 | 9-12  | 0,3                | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,17 |
| SP 103   | 38,55                                 | 12-15 | 0,3                | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SP 103   | 38,55                                 | 15-18 | 0,3                | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,14 |
| SP 103   | 38,55                                 | 18-21 | 0,3                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 103   | 38,55                                 | 21-24 | 0,3                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 103   | 38,55                                 | 24-27 | 0,3                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 103   | 38,55                                 | 27-30 | 0,3                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 103   | 38,55                                 | 30-33 | 0,3                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 103   | 38,55                                 | 33-36 | 0,3                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 103   | 38,55                                 | 36-39 | 0,3                | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
|          |                                       |       |                    |        |        | <b>soma Δho</b> |        | 2,32 |
|          |                                       |       |                    |        |        | <b>Δhf</b>      |        | 2,3  |

| Sondagem | Camada                | Faixa | Cota do terreno | e0     | 1+e0   | Cc       | Cr     | ΔHo  |
|----------|-----------------------|-------|-----------------|--------|--------|----------|--------|------|
|          | total do aluvião mole |       |                 |        |        |          |        |      |
| SP 113   | 28,5                  | 0-3   | 1,05            | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,89 |
| SP 113   | 28,5                  | 3-6   | 1,05            | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,28 |
| SP 113   | 28,5                  | 6-9   | 1,05            | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,14 |
| SP 113   | 28,5                  | 9-12  | 1,05            | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,16 |
| SP 113   | 28,5                  | 12-15 | 1,05            | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,15 |
| SP 113   | 28,5                  | 15-18 | 1,05            | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,14 |
| SP 113   | 28,5                  | 18-21 | 1,05            | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,10 |
| SP 113   | 28,5                  | 21-24 | 1,05            | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,10 |
| SP 113   | 28,5                  | 24-27 | 1,05            | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,09 |
| SP 113   | 28,5                  | 27-30 | 1,05            | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,09 |
|          |                       |       |                 |        |        | soma Δho |        | 2,14 |
|          |                       |       |                 |        |        | ΔHf      |        | 2,14 |



## Anexo2

| Sondagem | Camada total do aluvião |       |                 |        |        |                                     |        |              |
|----------|-------------------------|-------|-----------------|--------|--------|-------------------------------------|--------|--------------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc                                  | Cr     | $\Delta H_o$ |
| SP 111   | 35,05                   | 0-3   | -0,05           | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,83         |
| SP 111   | 35,05                   | 3-6   | -0,05           | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,41         |
| SP 111   | 35,05                   | 6-9   | -0,05           | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,24         |
| SP 111   | 35,05                   | 9-12  | -0,05           | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,28         |
| SP 111   | 35,05                   | 12-15 | -0,05           | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,25         |
| SP 111   | 35,05                   | 15-18 | -0,05           | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,23         |
| SP 111   | 35,05                   | 18-21 | -0,05           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,17         |
| SP 111   | 35,05                   | 21-24 | -0,05           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,16         |
| SP 111   | 35,05                   | 24-27 | -0,05           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,15         |
| SP 111   | 35,05                   | 27-30 | -0,05           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,14         |
| SP 111   | 35,05                   | 30-33 | -0,05           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,14         |
| SP 111   | 35,05                   | 33-36 | -0,05           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,13         |
|          |                         |       |                 |        |        | <b>soma <math>\Delta h_o</math></b> |        | 3,12         |
|          |                         |       |                 |        |        | <b><math>\Delta H_f</math></b>      |        | 3,1          |

| Sondagem | Camada total do aluvião |       |                 |        |        |                                     |        |              |
|----------|-------------------------|-------|-----------------|--------|--------|-------------------------------------|--------|--------------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc                                  | Cr     | $\Delta H_o$ |
| SP 07    | 40,8                    | 0-3   | 0,39            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,76         |
| SP 07    | 40,8                    | 3-6   | 0,39            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,29         |
| SP 07    | 40,8                    | 6-9   | 0,39            | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,15         |
| SP 07    | 40,8                    | 9-12  | 0,39            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,17         |
| SP 07    | 40,8                    | 12-15 | 0,39            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,15         |
| SP 07    | 40,8                    | 15-18 | 0,39            | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,14         |
| SP 07    | 40,8                    | 18-21 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,11         |
| SP 07    | 40,8                    | 21-24 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
| SP 07    | 40,8                    | 24-27 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
| SP 07    | 40,8                    | 27-30 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,10         |
| SP 07    | 40,8                    | 30-33 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,09         |
| SP 07    | 40,8                    | 33-36 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,09         |
| SP 07    | 40,8                    | 36-39 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,09         |
| SP 07    | 40,8                    | 39-42 | 0,39            | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,09         |
|          |                         |       |                 |        |        | <b>soma <math>\Delta h_o</math></b> |        | 2,43         |
|          |                         |       |                 |        |        | <b><math>\Delta H_f</math></b>      |        | 2,43         |

## Anexo2

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |          |          |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|----------|----------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr       | ΔHo      |
| SP 102   | 37,35                   | 0-3   | 0,05            | 0,0208 | 1,0208 | 0,285824        | 0,032012 | 0,685354 |
| SP 102   | 37,35                   | 3-6   | 0,05            | 0,0208 | 1,0208 | 0,285824        | 0,032012 | 0,29008  |
| SP 102   | 37,35                   | 6-9   | 0,05            | 0,0208 | 1,0208 | 0,285824        | 0,032012 | 0,147369 |
| SP 102   | 37,35                   | 9-12  | 0,05            | 0,0279 | 1,0279 | 0,370044        | 0,046626 | 0,169073 |
| SP 102   | 37,35                   | 12-15 | 0,05            | 0,0279 | 1,0279 | 0,370044        | 0,046626 | 0,155751 |
| SP 102   | 37,35                   | 15-18 | 0,05            | 0,0279 | 1,0279 | 0,370044        | 0,046626 | 0,145647 |
| SP 102   | 37,35                   | 18-21 | 0,05            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,109061 |
| SP 102   | 37,35                   | 21-24 | 0,05            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,10397  |
| SP 102   | 37,35                   | 24-27 | 0,05            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,09978  |
| SP 102   | 37,35                   | 27-30 | 0,05            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,096271 |
| SP 102   | 37,35                   | 30-33 | 0,05            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,09329  |
| SP 102   | 37,35                   | 33-36 | 0,05            | 0,0208 | 1,0208 | 0,296032        | 0,043221 | 0,091373 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |          | 2,187019 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |          | 2,2      |

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 01    | 43,05                   | 0-3   | 0,95            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,90 |
| SP 01    | 43,05                   | 3-6   | 0,95            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,28 |
| SP 01    | 43,05                   | 6-9   | 0,95            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,14 |
| SP 01    | 43,05                   | 9-12  | 0,95            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 01    | 43,05                   | 12-15 | 0,95            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SP 01    | 43,05                   | 15-18 | 0,95            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,14 |
| SP 01    | 43,05                   | 18-21 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 01    | 43,05                   | 21-24 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 01    | 43,05                   | 24-27 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 01    | 43,05                   | 27-30 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 01    | 43,05                   | 30-33 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 01    | 43,05                   | 33-36 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 01    | 43,05                   | 36-39 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 01    | 43,05                   | 39-42 | 0,95            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,53 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,55 |

| Sondagem | Camada total do aluvião |       | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa |                 |        |        |                 |        |      |
| SP 06    | 31,25                   | 0-3   | -1,07           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,53 |
| SP 06    | 31,25                   | 3-6   | -1,07           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,40 |
| SP 06    | 31,25                   | 6-9   | -1,07           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,23 |
| SP 06    | 31,25                   | 9-12  | -1,07           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,27 |
| SP 06    | 31,25                   | 12-15 | -1,07           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,24 |
| SP 06    | 31,25                   | 15-18 | -1,07           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,22 |
| SP 06    | 31,25                   | 18-21 | -1,07           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SP 06    | 31,25                   | 21-24 | -1,07           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SP 06    | 31,25                   | 24-27 | -1,07           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SP 06    | 31,25                   | 27-30 | -1,07           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SP 06    | 31,25                   | 30-33 | -1,07           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,61 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,6  |

|          | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 101   | 40,15                   | 0-3   | 0,4             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,76 |
| SP 101   | 40,15                   | 3-6   | 0,4             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,29 |
| SP 101   | 40,15                   | 6-9   | 0,4             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,15 |
| SP 101   | 40,15                   | 9-12  | 0,4             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,17 |
| SP 101   | 40,15                   | 12-15 | 0,4             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SP 101   | 40,15                   | 15-18 | 0,4             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,14 |
| SP 101   | 40,15                   | 18-21 | 0,4             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SP 101   | 40,15                   | 21-24 | 0,4             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 101   | 40,15                   | 24-27 | 0,4             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 101   | 40,15                   | 27-30 | 0,4             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 101   | 40,15                   | 30-33 | 0,4             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 101   | 40,15                   | 33-36 | 0,4             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
| SP 101   | 40,15                   | 36-39 | 0,4             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,09 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,34 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,35 |

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 05    | 36,02                   | 0-3   | 0               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,85 |
| SP 05    | 36,02                   | 3-6   | 0               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,41 |
| SP 05    | 36,02                   | 6-9   | 0               | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,24 |
| SP 05    | 36,02                   | 9-12  | 0               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,28 |
| SP 05    | 36,02                   | 12-15 | 0               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,25 |
| SP 05    | 36,02                   | 15-18 | 0               | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,23 |
| SP 05    | 36,02                   | 18-21 | 0               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,17 |
| SP 05    | 36,02                   | 21-24 | 0               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SP 05    | 36,02                   | 24-27 | 0               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SP 05    | 36,02                   | 27-30 | 0               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SP 05    | 36,02                   | 30-33 | 0               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SP 05    | 36,02                   | 33-36 | 0               | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 3,15 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 3,15 |

|          | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SP 110   | 23,1                    | 0-3   | 0,6             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,61 |
| SP 110   | 23,1                    | 3-6   | 0,6             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,28 |
| SP 110   | 23,1                    | 6-9   | 0,6             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,14 |
| SP 110   | 23,1                    | 9-12  | 0,6             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,16 |
| SP 110   | 23,1                    | 12-15 | 0,6             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SP 110   | 23,1                    | 15-18 | 0,6             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,14 |
| SP 110   | 23,1                    | 18-21 | 0,6             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SP 110   | 23,1                    | 21-24 | 0,6             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 1,67 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 1,66 |

| Sondagem | Camada<br>total do<br>aluvião<br>mole | Faixa | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|---------------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
| SPM 09   | 22,35                                 | 0-3   | -0,53              | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,67 |
| SPM 09   | 22,35                                 | 3-6   | -0,53              | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,39 |
| SPM 09   | 22,35                                 | 6-9   | -0,53              | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,22 |
| SPM 09   | 22,35                                 | 9-12  | -0,53              | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,26 |
| SPM 09   | 22,35                                 | 12-15 | -0,53              | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,23 |
| SPM 09   | 22,35                                 | 15-18 | -0,53              | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,21 |
| SPM 09   | 22,35                                 | 18-21 | -0,53              | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SPM 09   | 22,35                                 | 21-24 | -0,53              | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
|          |                                       |       |                    |        |        | <b>soma Δho</b> |        | 2,28 |
|          |                                       |       |                    |        |        | <b>ΔHf</b>      |        | 2,3  |

| Sondagem | Camada<br>total do<br>aluvião | Faixa | Cota do<br>terreno | e0     | 1+e0   | Cc       | Cr     | ΔHo  |
|----------|-------------------------------|-------|--------------------|--------|--------|----------|--------|------|
|          | mole                          |       |                    |        |        |          |        |      |
| SPM 11   | 33,95                         | 0-3   | -0,5               | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,70 |
| SPM 11   | 33,95                         | 3-6   | -0,5               | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,41 |
| SPM 11   | 33,95                         | 6-9   | -0,5               | 0,0208 | 1,0208 | 0,2858   | 0,0320 | 0,24 |
| SPM 11   | 33,95                         | 9-12  | -0,5               | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,27 |
| SPM 11   | 33,95                         | 12-15 | -0,5               | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,25 |
| SPM 11   | 33,95                         | 15-18 | -0,5               | 0,0279 | 1,0279 | 0,3700   | 0,0466 | 0,23 |
| SPM 11   | 33,95                         | 18-21 | -0,5               | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,17 |
| SPM 11   | 33,95                         | 21-24 | -0,5               | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,16 |
| SPM 11   | 33,95                         | 24-27 | -0,5               | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,15 |
| SPM 11   | 33,95                         | 27-30 | -0,5               | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,14 |
| SPM 11   | 33,95                         | 30-33 | -0,5               | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,14 |
| SPM 11   | 33,95                         | 33-36 | -0,5               | 0,0208 | 1,0208 | 0,2960   | 0,0432 | 0,13 |
|          |                               |       |                    |        |        | soma Δho |        | 2,98 |
|          |                               |       |                    |        |        | ΔHf      |        | 3    |

## Anexo2

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SPM 01   | 35,03                   | 0-3   | -0,12           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,81 |
| SPM 01   | 35,03                   | 3-6   | -0,12           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,41 |
| SPM 01   | 35,03                   | 6-9   | -0,12           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,24 |
| SPM 01   | 35,03                   | 9-12  | -0,12           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,28 |
| SPM 01   | 35,03                   | 12-15 | -0,12           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,25 |
| SPM 01   | 35,03                   | 15-18 | -0,12           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,23 |
| SPM 01   | 35,03                   | 18-21 | -0,12           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,17 |
| SPM 01   | 35,03                   | 21-24 | -0,12           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SPM 01   | 35,03                   | 24-27 | -0,12           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SPM 01   | 35,03                   | 27-30 | -0,12           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SPM 01   | 35,03                   | 30-33 | -0,12           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SPM 01   | 35,03                   | 33-36 | -0,12           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 3,11 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 3,1  |

| Sondagem | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
|          | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SPM 03   | 27,18                   | 0-3   | 0,2             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,72 |
| SPM 03   | 27,18                   | 3-6   | 0,2             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,29 |
| SPM 03   | 27,18                   | 6-9   | 0,2             | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,14 |
| SPM 03   | 27,18                   | 9-12  | 0,2             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,17 |
| SPM 03   | 27,18                   | 12-15 | 0,2             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,15 |
| SPM 03   | 27,18                   | 15-18 | 0,2             | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,14 |
| SPM 03   | 27,18                   | 18-21 | 0,2             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,11 |
| SPM 03   | 27,18                   | 21-24 | 0,2             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
| SPM 03   | 27,18                   | 24-27 | 0,2             | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,10 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 1,92 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 1,9  |

|          | Camada<br>total do<br>aluvião |       | Cota do<br>terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
|----------|-------------------------------|-------|--------------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                          | Faixa |                    |        |        |                 |        |      |
| SPM 05   | 37,8                          | 0-3   | 0                  | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,85 |
| SPM 05   | 37,8                          | 3-6   | 0                  | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,41 |
| SPM 05   | 37,8                          | 6-9   | 0                  | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,25 |
| SPM 05   | 37,8                          | 9-12  | 0                  | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,28 |
| SPM 05   | 37,8                          | 12-15 | 0                  | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,25 |
| SPM 05   | 37,8                          | 15-18 | 0                  | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,23 |
| SPM 05   | 37,8                          | 18-21 | 0                  | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,17 |
| SPM 05   | 37,8                          | 21-24 | 0                  | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SPM 05   | 37,8                          | 24-27 | 0                  | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SPM 05   | 37,8                          | 27-30 | 0                  | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SPM 05   | 37,8                          | 30-33 | 0                  | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SPM 05   | 37,8                          | 33-36 | 0                  | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
| SPM 05   | 37,8                          | 36-39 | 0                  | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
|          |                               |       |                    |        |        | <b>soma Δho</b> |        | 3,31 |
|          |                               |       |                    |        |        | <b>ΔHf</b>      |        | 3,3  |

|          | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SPM 07   | 37,85                   | 0-3   | -0,85           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,60 |
| SPM 07   | 37,85                   | 3-6   | -0,85           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,41 |
| SPM 07   | 37,85                   | 6-9   | -0,85           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,24 |
| SPM 07   | 37,85                   | 9-12  | -0,85           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,28 |
| SPM 07   | 37,85                   | 12-15 | -0,85           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,25 |
| SPM 07   | 37,85                   | 15-18 | -0,85           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,23 |
| SPM 07   | 37,85                   | 18-21 | -0,85           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,17 |
| SPM 07   | 37,85                   | 21-24 | -0,85           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SPM 07   | 37,85                   | 24-27 | -0,85           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SPM 07   | 37,85                   | 27-30 | -0,85           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SPM 07   | 37,85                   | 30-33 | -0,85           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SPM 07   | 37,85                   | 33-36 | -0,85           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
| SPM 07   | 37,85                   | 36-39 | -0,85           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 3,01 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 3    |

|          | Camada total do aluvião |       |                 |        |        |                                     |        |              |
|----------|-------------------------|-------|-----------------|--------|--------|-------------------------------------|--------|--------------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc                                  | Cr     | $\Delta H_o$ |
| SPM 04   | 40,36                   | 0-3   | -0,89           | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,59         |
| SPM 04   | 40,36                   | 3-6   | -0,89           | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,41         |
| SPM 04   | 40,36                   | 6-9   | -0,89           | 0,0208 | 1,0208 | 0,2858                              | 0,0320 | 0,25         |
| SPM 04   | 40,36                   | 9-12  | -0,89           | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,28         |
| SPM 04   | 40,36                   | 12-15 | -0,89           | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,25         |
| SPM 04   | 40,36                   | 15-18 | -0,89           | 0,0279 | 1,0279 | 0,3700                              | 0,0466 | 0,23         |
| SPM 04   | 40,36                   | 18-21 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,17         |
| SPM 04   | 40,36                   | 21-24 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,16         |
| SPM 04   | 40,36                   | 24-27 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,15         |
| SPM 04   | 40,36                   | 27-30 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,15         |
| SPM 04   | 40,36                   | 30-33 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,14         |
| SPM 04   | 40,36                   | 33-36 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,13         |
| SPM 04   | 40,36                   | 36-39 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,13         |
| SPM 04   | 40,36                   | 39-42 | -0,89           | 0,0208 | 1,0208 | 0,2960                              | 0,0432 | 0,12         |
|          |                         |       |                 |        |        | <b>soma <math>\Delta H_o</math></b> |        | 3,18         |
|          |                         |       |                 |        |        | <b><math>\Delta H_f</math></b>      |        | 3,2          |



|          | Camada total do aluvião |       |                 |        |        |                 |        |       |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|-------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo   |
| SPM 08   | 37,02                   | 0-3   | -1,1            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,841 |
| SPM 08   | 37,02                   | 3-6   | -1,1            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,416 |
| SPM 08   | 37,02                   | 6-9   | -1,1            | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,251 |
| SPM 08   | 37,02                   | 9-12  | -1,1            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,286 |
| SPM 08   | 37,02                   | 12-15 | -1,1            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,257 |
| SPM 08   | 37,02                   | 15-18 | -1,1            | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,236 |
| SPM 08   | 37,02                   | 18-21 | -1,1            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,177 |
| SPM 08   | 37,02                   | 21-24 | -1,1            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,165 |
| SPM 08   | 37,02                   | 24-27 | -1,1            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,156 |
| SPM 08   | 37,02                   | 27-30 | -1,1            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,148 |
| SPM 08   | 37,02                   | 30-33 | -1,1            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,141 |
| SPM 08   | 37,02                   | 33-36 | -1,1            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,136 |
| SPM 08   | 37,02                   | 36-39 | -1,1            | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,131 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 3,341 |
|          |                         |       |                 |        |        | <b>Δhf</b>      |        | 3,350 |

|          | Camada total do aluvião |       |                 |        |        |                 |        |      |
|----------|-------------------------|-------|-----------------|--------|--------|-----------------|--------|------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc              | Cr     | ΔHo  |
| SPM 146  | 35,57                   | 0-3   | -1,08           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,53 |
| SPM 146  | 35,57                   | 3-6   | -1,08           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,40 |
| SPM 146  | 35,57                   | 6-9   | -1,08           | 0,0208 | 1,0208 | 0,2858          | 0,0320 | 0,24 |
| SPM 146  | 35,57                   | 9-12  | -1,08           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,27 |
| SPM 146  | 35,57                   | 12-15 | -1,08           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,25 |
| SPM 146  | 35,57                   | 15-18 | -1,08           | 0,0279 | 1,0279 | 0,3700          | 0,0466 | 0,23 |
| SPM 146  | 35,57                   | 18-21 | -1,08           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,17 |
| SPM 146  | 35,57                   | 21-24 | -1,08           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,16 |
| SPM 146  | 35,57                   | 24-27 | -1,08           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,15 |
| SPM 146  | 35,57                   | 27-30 | -1,08           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SPM 146  | 35,57                   | 30-33 | -1,08           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,14 |
| SPM 146  | 35,57                   | 33-36 | -1,08           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
| SPM 146  | 35,57                   | 36-39 | -1,08           | 0,0208 | 1,0208 | 0,2960          | 0,0432 | 0,13 |
|          |                         |       |                 |        |        | <b>soma Δho</b> |        | 2,93 |
|          |                         |       |                 |        |        | <b>ΔHf</b>      |        | 2,9  |

|          | Camada total do aluvião |       |                 |        |        |          |          |          |
|----------|-------------------------|-------|-----------------|--------|--------|----------|----------|----------|
| Sondagem | mole                    | Faixa | Cota do terreno | e0     | 1+e0   | Cc       | Cr       | ΔHo      |
| SPM 148  | 37,7                    | 0-3   | -1,1            | 0,0208 | 1,0208 | 0,285824 | 0,032012 | 0,524172 |
| SPM 148  | 37,7                    | 3-6   | -1,1            | 0,0208 | 1,0208 | 0,285824 | 0,032012 | 0,405409 |
| SPM 148  | 37,7                    | 6-9   | -1,1            | 0,0208 | 1,0208 | 0,285824 | 0,032012 | 0,24142  |
| SPM 148  | 37,7                    | 9-12  | -1,1            | 0,0279 | 1,0279 | 0,370044 | 0,046626 | 0,274906 |
| SPM 148  | 37,7                    | 12-15 | -1,1            | 0,0279 | 1,0279 | 0,370044 | 0,046626 | 0,247765 |
| SPM 148  | 37,7                    | 15-18 | -1,1            | 0,0279 | 1,0279 | 0,370044 | 0,046626 | 0,227132 |
| SPM 148  | 37,7                    | 18-21 | -1,1            | 0,0208 | 1,0208 | 0,296032 | 0,043221 | 0,170282 |
| SPM 148  | 37,7                    | 21-24 | -1,1            | 0,0208 | 1,0208 | 0,296032 | 0,043221 | 0,159499 |
| SPM 148  | 37,7                    | 24-27 | -1,1            | 0,0208 | 1,0208 | 0,296032 | 0,043221 | 0,1506   |
| SPM 148  | 37,7                    | 27-30 | -1,1            | 0,0208 | 1,0208 | 0,296032 | 0,043221 | 0,143127 |
| SPM 148  | 37,7                    | 30-33 | -1,1            | 0,0208 | 1,0208 | 0,296032 | 0,043221 | 0,136761 |
| SPM 148  | 37,7                    | 33-36 | -1,1            | 0,0208 | 1,0208 | 0,296032 | 0,043221 | 0,131271 |
| SPM 148  | 37,7                    | 36-39 | -1,1            | 0,0208 | 1,0208 | 0,296032 | 0,043221 | 0,126637 |
|          |                         |       |                 |        |        | soma Δho |          | 2,938981 |
|          |                         |       |                 |        |        | ΔHf      |          | 2,95     |

## Anexo3

| Sondagem | Espessura total do aluvião mole | Espessura das lentes com N > 4m | Cota da base do aluvião mole (m) | Cota do horizonte com N = 30 (m) | Espessura do solo subjacente ao aluvião N = 5 a 30 (m) | Espessura do aterro | área (m2)               | Volume de cada quadrante |
|----------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|--------------------------------------------------------|---------------------|-------------------------|--------------------------|
| (*)      | (m)                             |                                 |                                  |                                  |                                                        |                     |                         |                          |
| SP 125   | 29,40                           | 1,00                            | -26,98                           | -39,58                           | 12,60                                                  | 5,30                | 6668                    | 35342                    |
| SP 124   | 31,20                           | 4,00                            | -31,98                           | -33,98                           | 2,00                                                   | 5,42                | 8636                    | 46807                    |
| SP 116   | 31,00                           | 0,00                            | -28,27                           | -43,27                           | 15,00                                                  | 5,40                | 11129                   | 60098                    |
| SP 122   | 33,90                           | 8,00                            | -33,40                           | -33,50                           | 0,10                                                   | 5,53                | 8160                    | 45128                    |
| SP 123   | 32,30                           | 3,50                            | -32,70                           | -36,70                           | 4,00                                                   | 5,90                | 7518                    | 44353                    |
| SP 04    | 30,70                           | 4,00                            | -28,70                           | -40,00                           | 11,30                                                  | 5,38                | 11558                   | 62181                    |
| SP 120   | 37,20                           | 0,00                            | -36,30                           | -39,30                           | 3,00                                                   | 5,65                | 10147                   | 57331                    |
| SP 121   | 32,00                           | 3,00                            | -31,55                           | -35,55                           | 4,00                                                   | 5,42                | 9366                    | 50761                    |
| SP 03    | 33,25                           | 2,00                            | -31,89                           | -35,64                           | 3,75                                                   | 5,62                | 10283                   | 57789                    |
| SP 115   | 32,00                           | 5,50                            | -30,51                           | -35,51                           | 5,00                                                   | 5,00                | 9841                    | 49203                    |
| SP 08    | 34,00                           | 3,50                            | -31,86                           | -37,86                           | 6,00                                                   | 4,50                | 12360                   | 55621                    |
| SP 09    | 31,30                           | 1,00                            | -29,87                           | -38,57                           | 8,70                                                   | 5,43                | 15057                   | 81762                    |
| SP 02    | 30,00                           | 2,50                            | -28,93                           | -30,93                           | 2,00                                                   | 5,15                | 9935                    | 51166                    |
| SP 114   | 30,90                           | 2,00                            | -29,38                           | -38,48                           | 9,10                                                   | 5,33                | 10200                   | 54364                    |
| SP 112   | 32,00                           | 3,00                            | -30,53                           | -36,53                           | 6,00                                                   | 5,45                | 10204                   | 55612                    |
| SP 103   | 38,55                           | 5,00                            | -38,25                           | -40,35                           | 2,10                                                   | 5,30                | 19453                   | 103103                   |
| SP 113   | 28,50                           | 3,00                            | -27,45                           | -27,95                           | 0,50                                                   | 5,14                | 10052                   | 51668                    |
| SP 111   | 35,05                           | 2,50                            | -35,10                           | -35,50                           | 0,40                                                   | 6,10                | 11179                   | 68194                    |
| SP 07    | 40,80                           | 0,00                            | -40,41                           | -42,71                           | 2,30                                                   | 5,43                | 11773                   | 63926                    |
| SP 102   | 37,35                           | 8,00                            | -37,30                           | -40,30                           | 3,00                                                   | 5,20                | 10244                   | 53266                    |
| SP 01    | 43,05                           | 0,00                            | -42,10                           | -43,30                           | 1,20                                                   | 5,55                | 11157                   | 61922                    |
| SP 06    | 31,25                           | 0,00                            | -32,32                           | -32,67                           | 0,35                                                   | 5,60                | 10471                   | 58637                    |
| SP 101   | 40,15                           | 6,00                            | -39,75                           | -40,25                           | 0,50                                                   | 5,55                | 6911                    | 38359                    |
| SPM 17   | -                               | -                               | -                                | -                                | -                                                      | 0,00                | 9819                    | 0                        |
| SP 104   | 40,75                           | 2,00                            | -39,90                           | -46,30                           | 6,40                                                   | 5,40                | 15811                   | 85379                    |
| SP 05    | 36,02                           | 0,00                            | -36,02                           | -36,02                           | 0,00                                                   | 6,15                | 7661                    | 47112                    |
| SP 110   | 23,10                           | 0,00                            | -22,50                           | -24,50                           | 2,00                                                   | 4,66                | 9904                    | 46152                    |
| SPM 09   | 22,35                           | 2,00                            | -22,88                           | -38,88                           | 16,00                                                  | 5,30                | 8625                    | 45711                    |
| SPM 11   | 33,95                           | 3,00                            | -34,45                           | -40,45                           | 6,00                                                   | 6,00                | 8813                    | 52879                    |
| SPM 13   | -                               | -                               | -                                | -                                | -                                                      | 0,00                | 3518                    | 0                        |
| SPM 15   | -                               | -                               | -                                | -                                | -                                                      | 0,00                | 6892                    | 0                        |
| SPM 01   | 35,03                           | 2,50                            | -35,15                           | -42,15                           | 7,00                                                   | 6,10                | 12411                   | 75709                    |
| SPM 03   | 27,18                           | 2,00                            | -26,98                           | -38,98                           | 12,00                                                  | 4,90                | 5868                    | 28756                    |
| SPM 05   | 37,80                           | 3,50                            | -37,80                           | -42,80                           | 5,00                                                   | 0,00                | 7661                    | 0                        |
| SPM 07   | 37,85                           | 10,50                           | -38,70                           | -43,20                           | 4,50                                                   | 6,00                | 7462                    | 44775                    |
| SPM 10   | 38,55                           | 2,50                            | -39,55                           | -47,55                           | 8,00                                                   | 6,15                | 9210                    | 56642                    |
| SPM 12   | -                               | -                               | -                                | -                                | -                                                      | 0,00                | 7704                    | 0                        |
| SPM 14   | -                               | -                               | -                                | -                                | -                                                      | 0,00                | 5290                    | 0                        |
| SPM 16   | -                               | -                               | -                                | -                                | -                                                      | 0,00                | 5369                    | 0                        |
| SPM 04   | 40,36                           | 3,00                            | -41,25                           | -42,15                           | 0,90                                                   | 6,20                | 5063                    | 31392                    |
| SPM 06   | 37,03                           | 4,00                            | -37,80                           | -40,80                           | 3,00                                                   | 6,05                | 6509                    | 39380                    |
| SPM 08   | 37,02                           | 2,00                            | -38,12                           | -44,12                           | 6,00                                                   | 6,35                | 7569                    | 48063                    |
| SPM 146  | 35,57                           | 6,00                            | -36,65                           | -42,00                           | 5,35                                                   | 5,90                | 10643                   | 62792                    |
| SPM 147  | -                               | -                               | -                                | -                                | -                                                      | 0,00                | 11923                   | 0                        |
| SPM 148  | 37,70                           | 1,50                            | -38,80                           | -40,90                           | 2,10                                                   | 5,95                | 17333                   | 103133                   |
|          |                                 |                                 |                                  |                                  |                                                        |                     | total (m <sup>3</sup> ) | <b>433360</b>            |

## Anexo 4

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## Anexo 5

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 125   | 29,4                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,292  | 2,891      | 0,756 | 0,012          | 0,753 | 5,930 | 193,752 | 184,526                 | 171,462                |
| SP 125   | 29,4                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,292  | 2,891      | 0,756 | 0,012          | 0,753 | 6,119 | 190,726 | 181,644                 | 168,785                |
| SP 125   | 29,4                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,292  | 2,605      | 0,839 | 0,012          | 0,837 | 5,930 | 170,059 | 161,961                 | 150,495                |
| SP 125   | 29,4                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,292  | 2,605      | 0,839 | 0,012          | 0,837 | 6,119 | 167,404 | 159,432                 | 148,145                |
| SP 125   | 29,4                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,292  | 3,157      | 0,692 | 0,012          | 0,688 | 5,930 | 212,075 | 201,976                 | 187,677                |
| SP 125   | 29,4                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,292  | 3,157      | 0,692 | 0,012          | 0,688 | 6,119 | 208,763 | 198,822                 | 184,746                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 124   | 31,2                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,423  | 2,874      | 0,800 | 0,011          | 0,798 | 5,930 | 181,152 | 172,525                 | 160,311                |
| SP 124   | 31,2                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,423  | 2,874      | 0,800 | 0,011          | 0,798 | 6,119 | 178,323 | 169,832                 | 157,808                |
| SP 124   | 31,2                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,423  | 2,655      | 0,866 | 0,011          | 0,864 | 5,930 | 162,014 | 154,299                 | 143,375                |
| SP 124   | 31,2                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,423  | 2,655      | 0,866 | 0,011          | 0,864 | 6,119 | 159,485 | 151,890                 | 141,137                |
| SP 124   | 31,2                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,423  | 3,081      | 0,746 | 0,011          | 0,743 | 5,930 | 196,387 | 187,035                 | 173,794                |
| SP 124   | 31,2                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,423  | 3,081      | 0,746 | 0,011          | 0,743 | 6,119 | 193,320 | 184,115                 | 171,080                |

| Sondagem   | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|------------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 116 (P) | 31                              | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,402  | 3,046      | 0,749 | 0,011          | 0,746 | 5,930 | 195,698 | 186,379                 | 173,184                |
| SP 116 (P) | 31                              | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,402  | 3,046      | 0,749 | 0,011          | 0,746 | 6,119 | 192,642 | 183,469                 | 170,480                |
| SP 116 (P) | 31                              | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,402  | 2,738      | 0,833 | 0,011          | 0,831 | 5,930 | 171,790 | 163,609                 | 152,026                |
| SP 116 (P) | 31                              | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,402  | 2,738      | 0,833 | 0,011          | 0,831 | 6,119 | 169,108 | 161,055                 | 149,653                |
| SP 116 (P) | 31                              | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,402  | 3,331      | 0,684 | 0,011          | 0,681 | 6,119 | 210,907 | 200,864                 | 186,643                |
| SP 116 (P) | 31                              | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,402  | 3,331      | 0,684 | 0,011          | 0,681 | 6,119 | 210,907 | 200,864                 | 186,643                |

## Anexo 5

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 122   | 33,9                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,536  | 3,137      | 0,766 | 0,009          | 0,764 | 5,930 | 190,578 | 181,503                 | 168,653                |
| SP 122   | 33,9                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,536  | 3,137      | 0,766 | 0,009          | 0,764 | 6,119 | 187,602 | 178,669                 | 166,020                |
| SP 122   | 33,9                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,536  | 2,847      | 0,844 | 0,009          | 0,843 | 5,930 | 168,416 | 160,397                 | 149,041                |
| SP 122   | 33,9                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,536  | 2,847      | 0,844 | 0,009          | 0,843 | 6,119 | 165,787 | 157,892                 | 146,714                |
| SP 122   | 33,9                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,536  | 3,408      | 0,705 | 0,009          | 0,703 | 5,930 | 207,978 | 198,074                 | 184,051                |
| SP 122   | 33,9                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,536  | 3,408      | 0,705 | 0,009          | 0,703 | 6,119 | 204,730 | 194,981                 | 181,177                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 123   | 32,3                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,904  | 3,380      | 0,815 | 0,010          | 0,813 | 5,930 | 176,792 | 168,374                 | 156,453                |
| SP 123   | 32,3                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,904  | 3,380      | 0,815 | 0,010          | 0,813 | 6,119 | 174,032 | 165,745                 | 154,010                |
| SP 123   | 32,3                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,904  | 3,149      | 0,875 | 0,010          | 0,874 | 5,930 | 159,244 | 151,661                 | 140,924                |
| SP 123   | 32,3                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,904  | 3,149      | 0,875 | 0,010          | 0,874 | 6,119 | 156,757 | 149,293                 | 138,723                |
| SP 123   | 32,3                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,904  | 3,598      | 0,766 | 0,010          | 0,763 | 5,930 | 190,770 | 181,685                 | 168,823                |
| SP 123   | 32,3                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,904  | 3,598      | 0,766 | 0,010          | 0,763 | 6,119 | 187,791 | 178,849                 | 166,187                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 04    | 30,7                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,373  | 2,984      | 0,758 | 0,011          | 0,755 | 5,930 | 193,091 | 183,896                 | 170,877                |
| SP 04    | 30,7                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,373  | 2,984      | 0,758 | 0,011          | 0,755 | 6,119 | 190,076 | 181,025                 | 168,209                |
| SP 04    | 30,7                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,373  | 2,691      | 0,840 | 0,011          | 0,838 | 5,930 | 169,622 | 161,544                 | 150,108                |
| SP 04    | 30,7                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,373  | 2,691      | 0,840 | 0,011          | 0,838 | 6,119 | 166,973 | 159,022                 | 147,764                |
| SP 04    | 30,7                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,373  | 3,255      | 0,695 | 0,011          | 0,691 | 5,930 | 211,302 | 201,240                 | 186,993                |

## Anexo 5

|       |      |     |    |     |          |          |   |        |        |       |       |       |       |       |       |       |         |         |         |
|-------|------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| SP 04 | 30,7 | 1,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,373 | 3,255 | 0,695 | 0,011 | 0,691 | 6,119 | 208,002 | 198,097 | 184,073 |
|-------|------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|

| Sondagem     | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|--------------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 120 (P,E) | 37,2                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,647  | 3,287      | 0,766 | 0,008          | 0,764 | 5,930 | 190,558 | 181,484                 | 168,635                |
| SP 120 (P,E) | 37,2                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,647  | 3,287      | 0,766 | 0,008          | 0,764 | 6,119 | 187,582 | 178,650                 | 166,002                |
| SP 120 (P,E) | 37,2                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,647  | 2,979      | 0,845 | 0,008          | 0,844 | 5,930 | 168,012 | 160,012                 | 148,684                |
| SP 120 (P,E) | 37,2                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,647  | 2,979      | 0,845 | 0,008          | 0,844 | 6,119 | 165,389 | 157,513                 | 146,362                |
| SP 120 (P,E) | 37,2                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,647  | 3,576      | 0,704 | 0,008          | 0,702 | 5,930 | 208,205 | 198,290                 | 184,252                |
| SP 120 (P,E) | 37,2                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,647  | 3,576      | 0,704 | 0,008          | 0,702 | 6,119 | 204,954 | 195,194                 | 181,375                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 121   | 32                              | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,426  | 2,999      | 0,766 | 0,010          | 0,764 | 5,930 | 190,571 | 181,496                 | 168,647                |
| SP 121   | 32                              | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,426  | 2,999      | 0,766 | 0,010          | 0,764 | 6,119 | 187,595 | 178,662                 | 166,013                |
| SP 121   | 32                              | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,426  | 2,723      | 0,844 | 0,010          | 0,843 | 5,930 | 168,431 | 160,411                 | 149,054                |
| SP 121   | 32                              | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,426  | 2,723      | 0,844 | 0,010          | 0,843 | 6,119 | 165,801 | 157,906                 | 146,727                |
| SP 121   | 32                              | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,426  | 3,257      | 0,706 | 0,010          | 0,703 | 5,930 | 207,935 | 198,033                 | 184,013                |
| SP 121   | 32                              | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,426  | 3,257      | 0,706 | 0,010          | 0,703 | 6,119 | 204,688 | 194,941                 | 181,140                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | Ur    | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|-------|-------|---------|-------------------------|------------------------|
| SP 03    | 33,25                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,622  | 3,208      | 0,776 | 0,009          | 0,774 | 5,930 | 187,875 | 178,929                 | 166,261                |

## Anexo 5

|       |       |     |    |     |          |          |   |        |        |       |       |       |       |       |       |       |         |         |         |
|-------|-------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| SP 03 | 33,25 | 1   | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,622 | 3,208 | 0,776 | 0,009 | 0,774 | 6,119 | 184,942 | 176,135 | 163,665 |
| SP 03 | 33,25 | 0,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,622 | 2,926 | 0,851 | 0,009 | 0,849 | 5,930 | 166,473 | 158,546 | 147,321 |
| SP 03 | 33,25 | 0,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,622 | 2,926 | 0,851 | 0,009 | 0,849 | 6,119 | 163,873 | 156,070 | 145,021 |
| SP 03 | 33,25 | 1,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,622 | 3,472 | 0,717 | 0,009 | 0,714 | 5,930 | 204,651 | 194,906 | 181,107 |
| SP 03 | 33,25 | 1,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,622 | 3,472 | 0,717 | 0,009 | 0,714 | 6,119 | 201,456 | 191,862 | 178,279 |

| Sondagem       | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 115 (P,V,E) | 32                              | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,017  | 2,597      | 0,732 | 0,010          | 0,729          | 5,930 | 200,438 | 190,894                 | 177,379                |
| SP 115 (P,V,E) | 32                              | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,017  | 2,597      | 0,732 | 0,010          | 0,729          | 6,119 | 197,309 | 187,913                 | 174,609                |
| SP 115 (P,V,E) | 32                              | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,017  | 2,317      | 0,820 | 0,010          | 0,818          | 5,930 | 175,457 | 167,102                 | 155,271                |
| SP 115 (P,V,E) | 32                              | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,017  | 2,317      | 0,820 | 0,010          | 0,818          | 6,119 | 172,717 | 164,492                 | 152,847                |
| SP 115 (P,V,E) | 32                              | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,017  | 2,857      | 0,665 | 0,010          | 0,661          | 5,930 | 220,054 | 209,576                 | 194,738                |
| SP 115 (P,V,E) | 32                              | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,017  | 2,857      | 0,665 | 0,010          | 0,661          | 6,119 | 216,618 | 206,303                 | 191,698                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 08    | 34                              | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,491  | 2,305      | 0,618 | 0,009          | 0,615          | 5,930 | 234,513 | 223,346                 | 207,534                |
| SP 08    | 34                              | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,491  | 2,305      | 0,618 | 0,009          | 0,615          | 6,119 | 230,852 | 219,859                 | 204,294                |
| SP 08    | 34                              | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,491  | 1,921      | 0,742 | 0,009          | 0,740          | 5,930 | 197,446 | 188,044                 | 174,731                |
| SP 08    | 34                              | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,491  | 1,921      | 0,742 | 0,009          | 0,740          | 6,119 | 194,363 | 185,108                 | 172,003                |
| SP 08    | 34                              | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,491  | 2,654      | 0,537 | 0,009          | 0,533          | 5,930 | 262,604 | 250,099                 | 232,393                |
| SP 08    | 34                              | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,491  | 2,654      | 0,537 | 0,009          | 0,533          | 6,119 | 258,504 | 246,194                 | 228,764                |



## Anexo 5

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | U <sub>r</sub> | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|----------------|-----------|---------|-------------------------|------------------------|
| SP 09    | 31,3                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,431  | 3,005      | 0,7<br>68 | 0,0<br>11      | 0,7<br>66      | 5,9<br>30 | 190,109 | 181,057                 | 168,238                |
| SP 09    | 31,3                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,431  | 3,005      | 0,768     | 0,011          | 0,766          | 6,119     | 187,141 | 178,230                 | 165,612                |
| SP 09    | 31,3                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,431  | 2,729      | 0,846     | 0,011          | 0,844          | 5,930     | 167,960 | 159,962                 | 148,637                |
| SP 09    | 31,3                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,431  | 2,729      | 0,846     | 0,011          | 0,844          | 6,119     | 165,338 | 157,464                 | 146,317                |
| SP 09    | 31,3                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,431  | 3,262      | 0,708     | 0,011          | 0,705          | 5,930     | 207,406 | 197,529                 | 183,545                |
| SP 09    | 31,3                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,431  | 3,262      | 0,708     | 0,011          | 0,705          | 6,119     | 204,167 | 194,445                 | 180,679                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | U <sub>r</sub> | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|----------------|-----------|---------|-------------------------|------------------------|
| SP 02    | 30                              | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,145  | 2,718      | 0,7<br>51 | 0,0<br>12      | 0,7<br>48      | 5,9<br>30 | 194,956 | 185,673                 | 172,528                |
| SP 02    | 30                              | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,145  | 2,718      | 0,751     | 0,012          | 0,748          | 6,119     | 191,912 | 182,773                 | 169,834                |
| SP 02    | 30                              | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,145  | 2,443      | 0,836     | 0,012          | 0,834          | 5,930     | 170,848 | 162,712                 | 151,192                |
| SP 02    | 30                              | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,145  | 2,443      | 0,836     | 0,012          | 0,834          | 6,119     | 168,180 | 160,171                 | 148,832                |
| SP 02    | 30                              | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,145  | 2,975      | 0,687     | 0,012          | 0,683          | 5,930     | 213,708 | 203,532                 | 189,122                |
| SP 02    | 30                              | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,145  | 2,975      | 0,687     | 0,012          | 0,683          | 6,119     | 210,371 | 200,354                 | 186,169                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | U <sub>r</sub> | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|----------------|-----------|---------|-------------------------|------------------------|
| SP 114   | 30,9                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,328  | 2,922      | 0,7<br>57 | 0,0<br>11      | 0,7<br>55      | 5,9<br>30 | 193,180 | 183,981                 | 170,956                |
| SP 114   | 30,9                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,328  | 2,922      | 0,757     | 0,011          | 0,755          | 6,119     | 190,164 | 181,108                 | 168,286                |
| SP 114   | 30,9                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,328  | 2,637      | 0,839     | 0,011          | 0,838          | 5,930     | 169,889 | 161,799                 | 150,344                |
| SP 114   | 30,9                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,328  | 2,637      | 0,839     | 0,011          | 0,838          | 6,119     | 167,237 | 159,273                 | 147,997                |
| SP 114   | 30,9                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,328  | 3,187      | 0,694     | 0,011          | 0,691          | 5,930     | 211,298 | 201,237                 | 186,990                |
| SP 114   | 30,9                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,328  | 3,187      | 0,694     | 0,011          | 0,691          | 6,119     | 207,999 | 198,094                 | 184,070                |

## Anexo 5

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 112   | 32                              | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,443  | 3,048      | 0,761 | 0,010          | 0,759          | 5,930 | 191,982 | 182,840                 | 169,896                |
| SP 112   | 32                              | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,443  | 3,048      | 0,761 | 0,010          | 0,759          | 6,119 | 188,985 | 179,985                 | 167,243                |
| SP 112   | 32                              | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,443  | 2,757      | 0,842 | 0,010          | 0,840          | 5,930 | 169,128 | 161,075                 | 149,671                |
| SP 112   | 32                              | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,443  | 2,757      | 0,842 | 0,010          | 0,840          | 6,119 | 166,487 | 158,559                 | 147,334                |
| SP 112   | 32                              | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,443  | 3,319      | 0,699 | 0,010          | 0,696          | 5,930 | 209,827 | 199,835                 | 185,688                |
| SP 112   | 32                              | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,443  | 3,319      | 0,699 | 0,010          | 0,696          | 6,119 | 206,551 | 196,715                 | 182,788                |

| Sondagem     | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|--------------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 103 (P,E) | 38,55                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,318  | 2,936      | 0,750 | 0,007          | 0,748          | 5,930 | 195,059 | 185,771                 | 172,619                |
| SP 103 (P,E) | 38,55                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,318  | 2,936      | 0,750 | 0,007          | 0,748          | 6,119 | 192,014 | 182,870                 | 169,924                |
| SP 103 (P,E) | 38,55                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,318  | 2,638      | 0,835 | 0,007          | 0,834          | 5,930 | 171,045 | 162,900                 | 151,367                |
| SP 103 (P,E) | 38,55                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,318  | 2,638      | 0,835 | 0,007          | 0,834          | 6,119 | 168,374 | 160,356                 | 149,003                |
| SP 103 (P,E) | 38,55                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,318  | 3,216      | 0,685 | 0,007          | 0,682          | 5,930 | 213,867 | 203,683                 | 189,263                |
| SP 103 (P,E) | 38,55                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,318  | 3,216      | 0,685 | 0,007          | 0,682          | 6,119 | 210,527 | 200,502                 | 186,307                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 113   | 28,5                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,142  | 2,715      | 0,749 | 0,013          | 0,745          | 5,930 | 195,803 | 186,479                 | 173,277                |
| SP 113   | 28,5                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,142  | 2,715      | 0,749 | 0,013          | 0,745          | 6,119 | 192,746 | 183,567                 | 170,571                |

## Anexo 5

|        |      |     |    |     |          |          |   |        |        |       |       |       |       |       |       |       |         |         |         |
|--------|------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| SP 113 | 28,5 | 0,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,142 | 2,440 | 0,833 | 0,013 | 0,831 | 5,930 | 171,743 | 163,565 | 151,985 |
| SP 113 | 28,5 | 0,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,142 | 2,440 | 0,833 | 0,013 | 0,831 | 6,119 | 169,061 | 161,011 | 149,612 |
| SP 113 | 28,5 | 1,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,142 | 2,972 | 0,684 | 0,013 | 0,680 | 5,930 | 214,566 | 204,348 | 189,881 |
| SP 113 | 28,5 | 1,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,142 | 2,972 | 0,684 | 0,013 | 0,680 | 6,119 | 211,215 | 201,157 | 186,916 |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | F <sub>s</sub> | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|----------------|---------|-------------------------|------------------------|
| SP 111   | 35,05                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,125  | 3,631      | 0,818 | 0,008          | 0,816          | 5,930          | 175,992 | 167,612                 | 155,745                |
| SP 111   | 35,05                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,125  | 3,631      | 0,818 | 0,008          | 0,816          | 6,119          | 173,244 | 164,994                 | 153,313                |
| SP 111   | 35,05                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,125  | 3,385      | 0,877 | 0,008          | 0,876          | 5,930          | 158,548 | 150,998                 | 140,308                |
| SP 111   | 35,05                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,125  | 3,385      | 0,877 | 0,008          | 0,876          | 6,119          | 156,073 | 148,641                 | 138,117                |
| SP 111   | 35,05                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,125  | 3,863      | 0,769 | 0,008          | 0,767          | 5,930          | 189,881 | 180,839                 | 168,037                |
| SP 111   | 35,05                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,125  | 3,863      | 0,769 | 0,008          | 0,767          | 6,119          | 186,916 | 178,016                 | 165,413                |

| Sondagem  | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | F <sub>s</sub> | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|-----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|----------------|---------|-------------------------|------------------------|
| SP 07 (h) | 40,8                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,428  | 3,072      | 0,751 | 0,006          | 0,749          | 5,930          | 194,729 | 185,457                 | 172,327                |
| SP 07 (h) | 40,8                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,428  | 3,072      | 0,751 | 0,006          | 0,749          | 6,119          | 191,689 | 182,561                 | 169,636                |
| SP 07 (h) | 40,8                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,428  | 2,761      | 0,835 | 0,006          | 0,834          | 5,930          | 170,810 | 162,676                 | 151,159                |
| SP 07 (h) | 40,8                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,428  | 2,761      | 0,835 | 0,006          | 0,834          | 6,119          | 168,142 | 160,136                 | 148,799                |
| SP 07 (h) | 40,8                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,428  | 3,364      | 0,686 | 0,006          | 0,684          | 5,930          | 213,479 | 203,313                 | 188,919                |
| SP 07 (h) | 40,8                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,428  | 3,364      | 0,686 | 0,006          | 0,684          | 6,119          | 210,146 | 200,139                 | 185,970                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U | U <sub>v</sub> | U <sub>r</sub> | F <sub>s</sub> | de(cm) | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|---|----------------|----------------|----------------|--------|-------------------------|------------------------|
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|---|----------------|----------------|----------------|--------|-------------------------|------------------------|

## Anexo 5

|        |       |     |    |     |          |          |   |        |        |       |       |       |           |           |           |           |         |         |         |
|--------|-------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-----------|-----------|-----------|-----------|---------|---------|---------|
| SP 102 | 37,35 | 1   | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,187 | 2,773 | 0,7<br>54 | 0,0<br>07 | 0,7<br>52 | 5,9<br>30 | 193,988 | 184,751 | 171,671 |
| SP 102 | 37,35 | 1   | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,187 | 2,773 | 0,754     | 0,007     | 0,752     | 6,119     | 190,959 | 181,866 | 168,991 |
| SP 102 | 37,35 | 0,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,187 | 2,490 | 0,839     | 0,007     | 0,838     | 5,930     | 169,745 | 161,662 | 150,217 |
| SP 102 | 37,35 | 0,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,187 | 2,490 | 0,839     | 0,007     | 0,838     | 6,119     | 167,095 | 159,138 | 147,871 |
| SP 102 | 37,35 | 1,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,187 | 3,038 | 0,688     | 0,007     | 0,686     | 5,930     | 212,886 | 202,749 | 188,395 |
| SP 102 | 37,35 | 1,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,187 | 3,038 | 0,688     | 0,007     | 0,686     | 6,119     | 209,562 | 199,583 | 185,453 |

| Sondagem | Espessura<br>total do<br>aluvião<br>mole | Hsc<br>(m) | a<br>(cm) | b<br>(cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds<br>(cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | U <sub>r</sub> | Fs        | de(cm)  | l(cm)(malha<br>triangular) | l(cm)(malha<br>quadrado) |
|----------|------------------------------------------|------------|-----------|-----------|-------------------------|-------------------------|-----------|---------|------------|---------|--------|------------|-----------|----------------|----------------|-----------|---------|----------------------------|--------------------------|
| SP 01    | 43,05                                    | 1          | 10        | 0,8       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,875   | 2,534  | 3,203      | 0,7<br>52 | 0,0<br>06      | 0,7<br>50      | 5,9<br>30 | 194,453 | 185,193                    | 172,082                  |
| SP 01    | 43,05                                    | 1          | 10        | 0,3       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,557   | 2,534  | 3,203      | 0,752     | 0,006          | 0,750          | 6,119     | 191,416 | 182,301                    | 169,395                  |
| SP 01    | 43,05                                    | 0,5        | 10        | 0,8       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,875   | 2,534  | 2,880      | 0,836     | 0,006          | 0,835          | 5,930     | 170,658 | 162,532                    | 151,025                  |
| SP 01    | 43,05                                    | 0,5        | 10        | 0,3       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,557   | 2,534  | 2,880      | 0,836     | 0,006          | 0,835          | 6,119     | 167,994 | 159,994                    | 148,667                  |
| SP 01    | 43,05                                    | 1,5        | 10        | 0,8       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,875   | 2,534  | 3,505      | 0,687     | 0,006          | 0,685          | 5,930     | 213,075 | 202,928                    | 188,562                  |
| SP 01    | 43,05                                    | 1,5        | 10        | 0,3       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,557   | 2,534  | 3,505      | 0,687     | 0,006          | 0,685          | 6,119     | 209,748 | 199,760                    | 185,617                  |

| Sondagem | Espessura<br>total do<br>aluvião<br>mole | Hsc<br>(m) | a<br>(cm) | b<br>(cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds<br>(cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | U <sub>r</sub> | Fs        | de(cm)  | l(cm)(malha<br>triangular) | l(cm)(malha<br>quadrado) |
|----------|------------------------------------------|------------|-----------|-----------|-------------------------|-------------------------|-----------|---------|------------|---------|--------|------------|-----------|----------------|----------------|-----------|---------|----------------------------|--------------------------|
| SP 06    | 31,25                                    | 1          | 10        | 0,8       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,875   | 2,614  | 3,077      | 0,8<br>07 | 0,0<br>11      | 0,8<br>05      | 5,9<br>30 | 179,130 | 170,600                    | 158,522                  |
| SP 06    | 31,25                                    | 1          | 10        | 0,3       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,557   | 2,614  | 3,077      | 0,807     | 0,011          | 0,805          | 6,119     | 176,333 | 167,936                    | 156,047                  |
| SP 06    | 31,25                                    | 0,5        | 10        | 0,8       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,875   | 2,614  | 2,852      | 0,871     | 0,011          | 0,869          | 5,930     | 160,578 | 152,932                    | 142,105                  |
| SP 06    | 31,25                                    | 0,5        | 10        | 0,3       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,557   | 2,614  | 2,852      | 0,871     | 0,011          | 0,869          | 6,119     | 158,071 | 150,544                    | 139,886                  |
| SP 06    | 31,25                                    | 1,5        | 10        | 0,8       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,875   | 2,614  | 3,289      | 0,755     | 0,011          | 0,752          | 5,930     | 193,871 | 184,639                    | 171,567                  |
| SP 06    | 31,25                                    | 1,5        | 10        | 0,3       | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278     | 6,557   | 2,614  | 3,289      | 0,755     | 0,011          | 0,752          | 6,119     | 190,843 | 181,756                    | 168,888                  |

## Anexo 5

| Sondagem     | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|--------------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 101 (P,E) | 40,15                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,336  | 2,959      | 0,750 | 0,006          | 0,748          | 5,930 | 194,945 | 185,662                 | 172,518                |
| SP 101 (P,E) | 40,15                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,336  | 2,959      | 0,750 | 0,006          | 0,748          | 6,119 | 191,901 | 182,763                 | 169,824                |
| SP 101 (P,E) | 40,15                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,336  | 2,658      | 0,835 | 0,006          | 0,834          | 5,930 | 170,974 | 162,832                 | 151,304                |
| SP 101 (P,E) | 40,15                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,336  | 2,658      | 0,835 | 0,006          | 0,834          | 6,119 | 168,304 | 160,289                 | 148,941                |
| SP 101 (P,E) | 40,15                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,336  | 3,240      | 0,685 | 0,006          | 0,683          | 5,930 | 213,713 | 203,536                 | 189,126                |
| SP 101 (P,E) | 40,15                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,336  | 3,240      | 0,685 | 0,006          | 0,683          | 6,119 | 210,376 | 200,358                 | 186,173                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 104   | 40,75                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,400  | 3,040      | 0,750 | 0,006          | 0,748          | 5,930 | 194,976 | 185,692                 | 172,546                |
| SP 104   | 40,75                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,400  | 3,040      | 0,750 | 0,006          | 0,748          | 6,119 | 191,932 | 182,792                 | 169,851                |
| SP 104   | 40,75                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,400  | 2,732      | 0,835 | 0,006          | 0,834          | 5,930 | 171,018 | 162,874                 | 151,343                |
| SP 104   | 40,75                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,400  | 2,732      | 0,835 | 0,006          | 0,834          | 6,119 | 168,348 | 160,331                 | 148,980                |
| SP 104   | 40,75                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,400  | 3,329      | 0,685 | 0,006          | 0,683          | 5,930 | 213,711 | 203,535                 | 189,125                |
| SP 104   | 40,75                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,400  | 3,329      | 0,685 | 0,006          | 0,683          | 6,119 | 210,374 | 200,357                 | 186,172                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SP 05    | 36,02                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,153  | 3,659      | 0,818 | 0,008          | 0,816          | 5,930 | 175,922 | 167,545                 | 155,683                |
| SP 05    | 36,02                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,153  | 3,659      | 0,818 | 0,008          | 0,816          | 6,119 | 173,175 | 164,929                 | 153,252                |
| SP 05    | 36,02                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,153  | 3,413      | 0,877 | 0,008          | 0,876          | 5,930 | 158,601 | 151,049                 | 140,355                |
| SP 05    | 36,02                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,153  | 3,413      | 0,877 | 0,008          | 0,876          | 6,119 | 156,125 | 148,690                 | 138,163                |

## Anexo 5

|       |       |     |    |     |          |          |   |        |        |       |       |       |       |       |       |       |         |         |         |
|-------|-------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| SP 05 | 36,02 | 1,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 3,153 | 3,892 | 0,769 | 0,008 | 0,767 | 5,930 | 189,727 | 180,692 | 167,900 |
| SP 05 | 36,02 | 1,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 3,153 | 3,892 | 0,769 | 0,008 | 0,767 | 6,119 | 186,765 | 177,871 | 165,278 |

| Sondagem       | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadrado) |
|----------------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|-----------------------|
| SP 110 (P,V,E) | 23,1                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,668  | 2,155      | 0,735 | 0,019          | 0,730          | 5,930 | 200,097 | 190,569                 | 177,077               |
| SP 110 (P,V,E) | 23,1                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,668  | 2,155      | 0,735 | 0,019          | 0,730          | 6,119 | 196,973 | 187,593                 | 174,312               |
| SP 110 (P,V,E) | 23,1                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,668  | 1,921      | 0,825 | 0,019          | 0,821          | 5,930 | 174,486 | 166,177                 | 154,412               |
| SP 110 (P,V,E) | 23,1                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,668  | 1,921      | 0,825 | 0,019          | 0,821          | 6,119 | 171,761 | 163,582                 | 152,001               |
| SP 110 (P,V,E) | 23,1                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,668  | 2,372      | 0,668 | 0,019          | 0,661          | 5,930 | 220,063 | 209,584                 | 194,746               |
| SP 110 (P,V,E) | 23,1                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,668  | 2,372      | 0,668 | 0,019          | 0,661          | 6,119 | 216,627 | 206,312                 | 191,705               |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadrado) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|-----------------------|
| SPM 09   | 22,35                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,282  | 2,685      | 0,807 | 0,021          | 0,803          | 5,930 | 179,631 | 171,077                 | 158,966               |
| SPM 09   | 22,35                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,282  | 2,685      | 0,807 | 0,021          | 0,803          | 6,119 | 176,826 | 168,406                 | 156,484               |
| SPM 09   | 22,35                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,282  | 2,490      | 0,870 | 0,021          | 0,868          | 5,930 | 161,032 | 153,363                 | 142,506               |
| SPM 09   | 22,35                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,282  | 2,490      | 0,870 | 0,021          | 0,868          | 6,119 | 158,517 | 150,969                 | 140,281               |
| SPM 09   | 22,35                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,282  | 2,868      | 0,756 | 0,021          | 0,751          | 5,930 | 194,350 | 185,095                 | 171,991               |
| SPM 09   | 22,35                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,282  | 2,868      | 0,756 | 0,021          | 0,751          | 6,119 | 191,315 | 182,205                 | 169,305               |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U | U <sub>v</sub> | U <sub>r</sub> | Fs | de(cm) | l(cm)(malha triangular) | l(cm)(malha quadrado) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|---|----------------|----------------|----|--------|-------------------------|-----------------------|
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|---|----------------|----------------|----|--------|-------------------------|-----------------------|

## Anexo 5

|        |       |     |    |     |          |          |   |        |        |       |       |       |           |           |           |           |         |         |         |
|--------|-------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-----------|-----------|-----------|-----------|---------|---------|---------|
| SPM 11 | 33,95 | 1   | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,981 | 3,475 | 0,8<br>20 | 0,0<br>09 | 0,8<br>18 | 5,9<br>30 | 175,343 | 166,993 | 155,170 |
| SPM 11 | 33,95 | 1   | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,981 | 3,475 | 0,820     | 0,009     | 0,818     | 6,119     | 172,605 | 164,385 | 152,747 |
| SPM 11 | 33,95 | 0,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,981 | 3,235 | 0,881     | 0,009     | 0,880     | 5,930     | 157,334 | 149,842 | 139,233 |
| SPM 11 | 33,95 | 0,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,981 | 3,235 | 0,881     | 0,009     | 0,880     | 6,119     | 154,877 | 147,502 | 137,059 |
| SPM 11 | 33,95 | 1,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 2,981 | 3,703 | 0,770     | 0,009     | 0,768     | 5,930     | 189,590 | 180,562 | 167,778 |
| SPM 11 | 33,95 | 1,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 2,981 | 3,703 | 0,770     | 0,009     | 0,768     | 6,119     | 186,629 | 177,742 | 165,159 |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | U <sub>r</sub> | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|----------------|-----------|---------|-------------------------|------------------------|
| SPM 01   | 35,03                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,106  | 3,609      | 0,8<br>16 | 0,0<br>08      | 0,8<br>14      | 5,9<br>30 | 176,480 | 168,077                 | 156,177                |
| SPM 01   | 35,03                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,106  | 3,609      | 0,816     | 0,008          | 0,814          | 6,119     | 173,725 | 165,452                 | 153,739                |
| SPM 01   | 35,03                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,106  | 3,365      | 0,875     | 0,008          | 0,874          | 5,930     | 159,080 | 151,505                 | 140,779                |
| SPM 01   | 35,03                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,106  | 3,365      | 0,875     | 0,008          | 0,874          | 6,119     | 156,597 | 149,140                 | 138,581                |
| SPM 01   | 35,03                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,106  | 3,840      | 0,767     | 0,008          | 0,765          | 5,930     | 190,361 | 181,296                 | 168,461                |
| SPM 01   | 35,03                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,106  | 3,840      | 0,767     | 0,008          | 0,765          | 6,119     | 187,388 | 178,465                 | 165,830                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | U <sub>r</sub> | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|----------------|-----------|---------|-------------------------|------------------------|
| SPM 03   | 27,18                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,921  | 2,432      | 0,7<br>50 | 0,0<br>14      | 0,7<br>47      | 5,9<br>30 | 195,421 | 186,116                 | 172,939                |
| SPM 03   | 27,18                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,921  | 2,432      | 0,750     | 0,014          | 0,747          | 6,119     | 192,370 | 183,209                 | 170,239                |
| SPM 03   | 27,18                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,921  | 2,186      | 0,835     | 0,014          | 0,832          | 5,930     | 171,399 | 163,237                 | 151,680                |
| SPM 03   | 27,18                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,921  | 2,186      | 0,835     | 0,014          | 0,832          | 6,119     | 168,723 | 160,688                 | 149,312                |
| SPM 03   | 27,18                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 1,921  | 2,661      | 0,686     | 0,014          | 0,681          | 5,930     | 214,162 | 203,964                 | 189,524                |
| SPM 03   | 27,18                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 1,921  | 2,661      | 0,686     | 0,014          | 0,681          | 6,119     | 210,818 | 200,779                 | 186,565                |

## Anexo 5

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | Ur        | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|-----------|-----------|---------|-------------------------|------------------------|
| SPM 05   | 37,8                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,315  | 3,839      | 0,8<br>20 | 0,0<br>07      | 0,8<br>19 | 5,9<br>30 | 175,219 | 166,875                 | 155,061                |
| SPM 05   | 37,8                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,315  | 3,839      | 0,820     | 0,007          | 0,819     | 6,119     | 172,483 | 164,270                 | 152,640                |
| SPM 05   | 37,8                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,315  | 3,585      | 0,878     | 0,007          | 0,878     | 5,930     | 158,029 | 150,504                 | 139,848                |
| SPM 05   | 37,8                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,315  | 3,585      | 0,878     | 0,007          | 0,878     | 6,119     | 155,561 | 148,154                 | 137,665                |
| SPM 05   | 37,8                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,315  | 4,081      | 0,772     | 0,007          | 0,770     | 5,930     | 188,931 | 179,934                 | 167,195                |
| SPM 05   | 37,8                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,315  | 4,081      | 0,772     | 0,007          | 0,770     | 6,119     | 185,981 | 177,124                 | 164,585                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | Ur        | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|-----------|-----------|---------|-------------------------|------------------------|
| SPM 07   | 37,85                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,015  | 3,521      | 0,8<br>13 | 0,0<br>07      | 0,8<br>12 | 5,9<br>30 | 177,165 | 168,728                 | 156,783                |
| SPM 07   | 37,85                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,015  | 3,521      | 0,813     | 0,007          | 0,812     | 6,119     | 174,398 | 166,094                 | 154,335                |
| SPM 07   | 37,85                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,015  | 3,275      | 0,874     | 0,007          | 0,874     | 5,930     | 159,264 | 151,680                 | 140,942                |
| SPM 07   | 37,85                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,015  | 3,275      | 0,874     | 0,007          | 0,874     | 6,119     | 156,778 | 149,312                 | 138,741                |
| SPM 07   | 37,85                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,015  | 3,755      | 0,763     | 0,007          | 0,761     | 5,930     | 191,433 | 182,318                 | 169,410                |
| SPM 07   | 37,85                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,015  | 3,755      | 0,763     | 0,007          | 0,761     | 6,119     | 188,444 | 179,471                 | 166,765                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | Ur        | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|-----------|-----------|---------|-------------------------|------------------------|
| SPM 10   | 38,55                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,155  | 3,680      | 0,8<br>14 | 0,0<br>07      | 0,8<br>13 | 5,9<br>30 | 176,830 | 168,409                 | 156,487                |
| SPM 10   | 38,55                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,155  | 3,680      | 0,814     | 0,007          | 0,813     | 6,119     | 174,069 | 165,780                 | 154,043                |
| SPM 10   | 38,55                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,155  | 3,425      | 0,875     | 0,007          | 0,874     | 5,930     | 159,029 | 151,456                 | 140,733                |
| SPM 10   | 38,55                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,155  | 3,425      | 0,875     | 0,007          | 0,874     | 6,119     | 156,545 | 149,091                 | 138,536                |
| SPM 10   | 38,55                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,155  | 3,923      | 0,764     | 0,007          | 0,762     | 5,930     | 191,042 | 181,945                 | 169,064                |
| SPM 10   | 38,55                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,155  | 3,923      | 0,764     | 0,007          | 0,762     | 6,119     | 188,059 | 179,104                 | 166,424                |



## Anexo 5

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | Ur        | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|-----------|-----------|---------|-------------------------|------------------------|
| SPM 04   | 40,36                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,176  | 3,698      | 0,8<br>16 | 0,0<br>06      | 0,8<br>15 | 5,9<br>30 | 176,378 | 167,979                 | 156,087                |
| SPM 04   | 40,36                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,176  | 3,698      | 0,816     | 0,006          | 0,815     | 6,119     | 173,624 | 165,356                 | 153,650                |
| SPM 04   | 40,36                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,176  | 3,444      | 0,876     | 0,006          | 0,875     | 5,930     | 158,736 | 151,177                 | 140,475                |
| SPM 04   | 40,36                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,176  | 3,444      | 0,876     | 0,006          | 0,875     | 6,119     | 156,258 | 148,817                 | 138,281                |
| SPM 04   | 40,36                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,176  | 3,940      | 0,766     | 0,006          | 0,764     | 5,930     | 190,466 | 181,396                 | 168,554                |
| SPM 04   | 40,36                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,176  | 3,940      | 0,766     | 0,006          | 0,764     | 6,119     | 187,492 | 178,564                 | 165,922                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | Ur        | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|-----------|-----------|---------|-------------------------|------------------------|
| SPM 06   | 37,03                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,048  | 3,556      | 0,8<br>15 | 0,0<br>08      | 0,8<br>13 | 5,9<br>30 | 176,748 | 168,332                 | 156,415                |
| SPM 06   | 37,03                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,048  | 3,556      | 0,815     | 0,008          | 0,813     | 6,119     | 173,989 | 165,703                 | 153,972                |
| SPM 06   | 37,03                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,048  | 3,309      | 0,876     | 0,008          | 0,875     | 5,930     | 158,917 | 151,350                 | 140,635                |
| SPM 06   | 37,03                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,048  | 3,309      | 0,876     | 0,008          | 0,875     | 6,119     | 156,436 | 148,986                 | 138,439                |
| SPM 06   | 37,03                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,048  | 3,790      | 0,765     | 0,008          | 0,763     | 5,930     | 190,956 | 181,863                 | 168,987                |
| SPM 06   | 37,03                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,048  | 3,790      | 0,765     | 0,008          | 0,763     | 6,119     | 187,974 | 179,023                 | 166,349                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U         | U <sub>v</sub> | Ur        | Fs        | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-----------|----------------|-----------|-----------|---------|-------------------------|------------------------|
| SPM 08   | 37,02                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,341  | 3,856      | 0,8<br>25 | 0,0<br>08      | 0,8<br>24 | 5,9<br>30 | 173,731 | 165,458                 | 153,744                |
| SPM 08   | 37,02                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,341  | 3,856      | 0,825     | 0,008          | 0,824     | 6,119     | 171,018 | 162,874                 | 151,343                |
| SPM 08   | 37,02                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 3,341  | 3,605      | 0,883     | 0,008          | 0,882     | 5,930     | 156,725 | 149,262                 | 138,695                |
| SPM 08   | 37,02                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 3,341  | 3,605      | 0,883     | 0,008          | 0,882     | 6,119     | 154,278 | 146,931                 | 136,529                |

## Anexo 5

|        |       |     |    |     |          |          |   |        |        |       |       |       |       |       |       |       |         |         |         |
|--------|-------|-----|----|-----|----------|----------|---|--------|--------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| SPM 08 | 37,02 | 1,5 | 10 | 0,8 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,875 | 3,341 | 4,093 | 0,778 | 0,008 | 0,776 | 5,930 | 187,279 | 178,361 | 165,734 |
| SPM 08 | 37,02 | 1,5 | 10 | 0,3 | 1,67E-03 | 2,50E-03 | 6 | 15,139 | 30,278 | 6,557 | 3,341 | 4,093 | 0,778 | 0,008 | 0,776 | 6,119 | 184,355 | 175,576 | 163,146 |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SPM 146  | 35,57                           | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,934  | 3,436      | 0,802 | 0,008          | 0,800          | 5,930 | 180,516 | 171,920                 | 159,749                |
| SPM 146  | 35,57                           | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,934  | 3,436      | 0,802 | 0,008          | 0,800          | 6,119 | 177,698 | 169,236                 | 157,254                |
| SPM 146  | 35,57                           | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,934  | 3,192      | 0,863 | 0,008          | 0,862          | 5,930 | 162,770 | 155,019                 | 144,044                |
| SPM 146  | 35,57                           | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,934  | 3,192      | 0,863 | 0,008          | 0,862          | 6,119 | 160,228 | 152,598                 | 141,795                |
| SPM 146  | 35,57                           | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,934  | 3,668      | 0,751 | 0,008          | 0,749          | 5,930 | 194,808 | 185,532                 | 172,397                |
| SPM 146  | 35,57                           | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,934  | 3,668      | 0,751 | 0,008          | 0,749          | 6,119 | 191,766 | 182,635                 | 169,705                |

| Sondagem | Espessura total do aluvião mole | Hsc (m) | a (cm) | b (cm) | Cv (cm <sup>2</sup> /s) | Ch (cm <sup>2</sup> /s) | t (meses) | dm (cm) | ds (cm) | dw (cm) | po (m) | p(s+f) (m) | U     | U <sub>v</sub> | U <sub>r</sub> | Fs    | de(cm)  | l(cm)(malha triangular) | l(cm)(malha quadradar) |
|----------|---------------------------------|---------|--------|--------|-------------------------|-------------------------|-----------|---------|---------|---------|--------|------------|-------|----------------|----------------|-------|---------|-------------------------|------------------------|
| SPM 148  | 37,7                            | 1       | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,939  | 3,439      | 0,815 | 0,007          | 0,813          | 5,930 | 176,736 | 168,320                 | 156,404                |
| SPM 148  | 37,7                            | 1       | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,939  | 3,439      | 0,815 | 0,007          | 0,813          | 6,119 | 173,977 | 165,692                 | 153,962                |
| SPM 148  | 37,7                            | 0,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,939  | 3,196      | 0,877 | 0,007          | 0,876          | 5,930 | 158,533 | 150,984                 | 140,295                |
| SPM 148  | 37,7                            | 0,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,939  | 3,196      | 0,877 | 0,007          | 0,876          | 6,119 | 156,057 | 148,626                 | 138,104                |
| SPM 148  | 37,7                            | 1,5     | 10     | 0,8    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,875   | 2,939  | 3,670      | 0,764 | 0,007          | 0,762          | 5,930 | 191,194 | 182,090                 | 169,198                |
| SPM 148  | 37,7                            | 1,5     | 10     | 0,3    | 1,67E-03                | 2,50E-03                | 6         | 15,139  | 30,278  | 6,557   | 2,939  | 3,670      | 0,764 | 0,007          | 0,762          | 6,119 | 188,209 | 179,247                 | 166,557                |