

Lõimiseanalüüside tulemused proovides ja kaalutud keskmisena Koigu II uuringuruumis, 3. plokis

| Kaevand-puuraugu nr                | Ka-Pa 1                   | Ka-Pa 1 | Ka-Pa 1  | Ka-Pa 2 | Ka-Pa 2 | Ka-Pa 2  | Ka-Pa 3 | Ka-Pa 3 | Ka-Pa 3  | Ka-Pa 4 | Ka-Pa 4 | Ka-Pa 4  | Ka-Pa 5 | Ka-Pa 5 | Ka-Pa 5  | Ka-Pa 6 | Ka-Pa 6 | Ka-Pa 6  |
|------------------------------------|---------------------------|---------|----------|---------|---------|----------|---------|---------|----------|---------|---------|----------|---------|---------|----------|---------|---------|----------|
| Proovi number                      | 1-1                       | 1-2     | 1-3      | 2-1     | 2-2     | 2-3      | 3-1     | 3-2     | 3-3      | 4-1     | 4-2     | 4-3      | 5-1     | 5-2     | 5-3      | 6-1     | 6-2     | 6-3      |
| Proovimise intervall, m            | 0,6-4,0                   | 4,0-7,5 | 7,5-10,7 | 0,6-4,2 | 4,2-8,0 | 8,0-11,9 | 0,5-4,5 | 4,5-8,0 | 8,0-12,0 | 1,0-4,0 | 4,0-8,0 | 8,0-12,0 | 0,7-4,0 | 4,0-8,0 | 8,0-12,0 | 1,0-4,0 | 4,0-8,0 | 8,0-12,0 |
| Intervalli pikkus, m               | 3,4                       | 3,5     | 3,2      | 3,6     | 3,8     | 3,9      | 4,0     | 3,5     | 4,0      | 3,0     | 4,0     | 4,0      | 3,3     | 4,0     | 4,0      | 3,0     | 4,0     | 4,0      |
| Fraktsioonid, mm                   | Fraktsioonide sisaldus, % |         |          |         |         |          |         |         |          |         |         |          |         |         |          |         |         |          |
| <0,063 mm                          | 1,4                       | 2,0     | 1,9      | 2,4     | 2,0     | 2,4      | 0,9     | 2,1     | 1,8      | 2,2     | 2,1     | 1,8      | 1,7     | 2,1     | 1,5      | 2,9     | 1,1     | 1,5      |
| 0,063-0,125 mm                     | 1,6                       | 2,0     | 2,1      | 1,6     | 3,0     | 3,6      | 1,1     | 3,9     | 5,2      | 1,8     | 2,9     | 2,2      | 1,3     | 2,9     | 2,5      | 1,1     | 1,9     | 2,5      |
| 0,125-0,25 mm                      | 4,0                       | 13,0    | 12,0     | 4,0     | 23,0    | 30,0     | 2,0     | 24,0    | 28,0     | 12,0    | 15,0    | 16,0     | 10,0    | 11,0    | 15,0     | 8,0     | 13,0    | 15,0     |
| 0,25-0,5 mm                        | 12,0                      | 36,0    | 31,0     | 15,0    | 31,0    | 32,0     | 11,0    | 30,0    | 36,0     | 18,0    | 34,0    | 29,0     | 24,0    | 27,0    | 32,0     | 18,0    | 40,0    | 35,0     |
| 0,5-1 mm                           | 17,0                      | 23,0    | 26,0     | 18,0    | 19,0    | 19,0     | 19,0    | 20,0    | 18,0     | 14,0    | 22,0    | 27,0     | 17,0    | 24,0    | 27,0     | 14,0    | 23,0    | 22,0     |
| 1-2 mm                             | 12,0                      | 10,0    | 14,0     | 10,0    | 9,0     | 7,0      | 14,0    | 10,0    | 7,0      | 8,0     | 11,0    | 14,0     | 12,0    | 12,0    | 13,0     | 8,0     | 10,0    | 10,0     |
| 2-4 mm                             | 7,0                       | 6,0     | 6,0      | 6,0     | 5,0     | 3,0      | 9,0     | 4,0     | 2,0      | 5,0     | 6,0     | 6,0      | 7,0     | 7,0     | 6,0      | 5,0     | 5,0     | 6,0      |
| 4-6,3 mm                           | 4,0                       | 3,0     | 3,0      | 5,0     | 3,0     | 2,0      | 6,0     | 3,0     | 1,0      | 4,0     | 4,0     | 3,0      | 4,0     | 3,0     | 2,0      | 4,0     | 3,0     | 2,0      |
| 6,3-8 mm                           | 3,0                       | 2,0     | 1,0      | 3,0     | 1,0     | 1,0      | 3,0     | 1,0     | 1,0      | 2,0     | 1,0     | 0,0      | 3,0     | 2,0     | 1,0      | 3,0     | 1,0     | 1,0      |
| 8-12,5 mm                          | 4,0                       | 2,0     | 1,0      | 5,0     | 3,0     | 0,0      | 6,0     | 1,0     | 0,0      | 4,0     | 2,0     | 1,0      | 4,0     | 3,0     | 0,0      | 5,0     | 1,0     | 2,0      |
| 12,5-16 mm                         | 3,0                       | 1,0     | 1,0      | 4,0     | 0,0     | 0,0      | 4,0     | 0,0     | 0,0      | 3,0     | 0,0     | 0,0      | 3,0     | 1,0     | 0,0      | 4,0     | 0,0     | 1,0      |
| 16-20 mm                           | 3,0                       | 0,0     | 0,0      | 2,0     | 1,0     | 0,0      | 3,0     | 1,0     | 0,0      | 2,0     | 0,0     | 0,0      | 4,0     | 2,0     | 0,0      | 2,0     | 0,0     | 0,0      |
| 20-31,5 mm                         | 11,0                      | 0,0     | 1,0      | 11,0    | 0,0     | 0,0      | 6,0     | 0,0     | 0,0      | 5,0     | 0,0     | 0,0      | 4,0     | 0,0     | 0,0      | 9,0     | 1,0     | 2,0      |
| 31,5-40 mm                         | 8,0                       | 0,0     | 0,0      | 8,0     | 0,0     | 0,0      | 3,0     | 0,0     | 0,0      | 4,0     | 0,0     | 0,0      | 5,0     | 3,0     | 0,0      | 8,0     | 0,0     | 0,0      |
| 40-63 mm                           | 9,0                       | 0,0     | 0,0      | 5,0     | 0,0     | 0,0      | 12,0    | 0,0     | 0,0      | 15,0    | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 8,0     | 0,0     | 0,0      |
| 63-80 mm                           | 0,0                       | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      |
| >80 mm                             | 0,0                       | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      |
| Sõela ava, mm                      | Sõela läbinud, %          |         |          |         |         |          |         |         |          |         |         |          |         |         |          |         |         |          |
| 0,063                              | 1,4                       | 2,0     | 1,9      | 2,4     | 2,0     | 2,4      | 0,9     | 2,1     | 1,8      | 2,2     | 2,1     | 1,8      | 1,7     | 2,1     | 1,5      | 2,9     | 1,1     | 1,5      |
| 0,125                              | 3,0                       | 4,0     | 4,0      | 4,0     | 5,0     | 6,0      | 2,0     | 6,0     | 7,0      | 4,0     | 5,0     | 4,0      | 3,0     | 5,0     | 4,0      | 4,0     | 3,0     | 4,0      |
| 0,25                               | 7,0                       | 17,0    | 16,0     | 8,0     | 28,0    | 36,0     | 4,0     | 30,0    | 35,0     | 16,0    | 20,0    | 20,0     | 13,0    | 16,0    | 19,0     | 12,0    | 16,0    | 19,0     |
| 0,5                                | 19,0                      | 53,0    | 47,0     | 23,0    | 59,0    | 68,0     | 15,0    | 60,0    | 71,0     | 34,0    | 54,0    | 49,0     | 37,0    | 43,0    | 51,0     | 30,0    | 56,0    | 54,0     |
| 1                                  | 36,0                      | 76,0    | 73,0     | 41,0    | 78,0    | 87,0     | 34,0    | 80,0    | 89,0     | 48,0    | 76,0    | 76,0     | 54,0    | 67,0    | 78,0     | 44,0    | 79,0    | 76,0     |
| 2                                  | 48,0                      | 86,0    | 87,0     | 51,0    | 87,0    | 94,0     | 48,0    | 90,0    | 96,0     | 56,0    | 87,0    | 90,0     | 66,0    | 79,0    | 91,0     | 52,0    | 89,0    | 86,0     |
| 4                                  | 55,0                      | 92,0    | 93,0     | 57,0    | 92,0    | 97,0     | 57,0    | 94,0    | 98,0     | 61,0    | 93,0    | 96,0     | 73,0    | 86,0    | 97,0     | 57,0    | 94,0    | 92,0     |
| 6,3                                | 59,0                      | 95,0    | 96,0     | 62,0    | 95,0    | 99,0     | 63,0    | 97,0    | 99,0     | 65,0    | 97,0    | 99,0     | 77,0    | 89,0    | 99,0     | 61,0    | 97,0    | 94,0     |
| 8                                  | 62,0                      | 97,0    | 97,0     | 65,0    | 96,0    | 100,0    | 66,0    | 98,0    | 100,0    | 67,0    | 98,0    | 99,0     | 80,0    | 91,0    | 100,0    | 64,0    | 98,0    | 95,0     |
| 12,5                               | 66,0                      | 99,0    | 98,0     | 70,0    | 99,0    | 100,0    | 72,0    | 99,0    | 100,0    | 71,0    | 100,0   | 100,0    | 84,0    | 94,0    | 100,0    | 69,0    | 99,0    | 97,0     |
| 16                                 | 69,0                      | 100,0   | 99,0     | 74,0    | 99,0    | 100,0    | 76,0    | 99,0    | 100,0    | 74,0    | 100,0   | 100,0    | 87,0    | 95,0    | 100,0    | 73,0    | 99,0    | 98,0     |
| 20                                 | 72,0                      | 100,0   | 99,0     | 76,0    | 100,0   | 100,0    | 79,0    | 100,0   | 100,0    | 76,0    | 100,0   | 100,0    | 91,0    | 97,0    | 100,0    | 75,0    | 99,0    | 98,0     |
| 31,5                               | 83,0                      | 100,0   | 100,0    | 87,0    | 100,0   | 100,0    | 85,0    | 100,0   | 100,0    | 81,0    | 100,0   | 100,0    | 95,0    | 97,0    | 100,0    | 84,0    | 100,0   | 100,0    |
| 40                                 | 91,0                      | 100,0   | 100,0    | 95,0    | 100,0   | 100,0    | 88,0    | 100,0   | 100,0    | 85,0    | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 92,0    | 100,0   | 100,0    |
| 63                                 | 100,0                     | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    |
| 80                                 | 100,0                     | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    |
| 125                                | 100,0                     | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    |
| KESKMINE:                          |                           |         |          |         |         |          |         |         |          |         |         |          |         |         |          |         |         |          |
| Savi ja tolmu sisaldus (<0,063 mm) | 1,4                       | 2,0     | 1,9      | 2,4     | 2,0     | 2,4      | 0,9     | 2,1     | 1,8      | 2,2     | 2,1     | 1,8      | 1,7     | 2,1     | 1,5      | 2,9     | 1,1     | 1,5      |
| Liiva sisaldus (0,063-2,0 mm)      | 46,6                      | 84,0    | 85,1     | 48,6    | 85,0    | 91,6     | 47,1    | 87,9    | 94,2     | 53,8    | 84,9    | 88,2     | 64,3    | 76,9    | 89,5     | 49,1    | 87,9    | 84,5     |
| Kruusa sisaldus (2,0-20 mm)        | 24,0                      | 14,0    | 12,0     | 25,0    | 13,0    | 6,0      | 31,0    | 10,0    | 4,0      | 20,0    | 13,0    | 10,0     | 25,0    | 18,0    | 9,0      | 23,0    | 10,0    | 12,0     |
| >20 mm sisaldus                    | 28,0                      | 0,0     | 1,0      | 24,0    | 0,0     | 0,0      | 21,0    | 0,0     | 0,0      | 24,0    | 0,0     | 0,0      | 9,0     | 3,0     | 0,0      | 25,0    | 1,0     | 2,0      |
| >31,5 mm sisaldus                  | 17,0                      | 0,0     | 0,0      | 13,0    | 0,0     | 0,0      | 15,0    | 0,0     | 0,0      | 19,0    | 0,0     | 0,0      | 5,0     | 3,0     | 0,0      | 16,0    | 0,0     | 0,0      |

Katsetused teostas: AS TREV-2 Grupp labor, katseprotokoll nr 2023/1624

Koostas: Anne Rooma, Maavarauuringud OÜ

Märkus: kaevand-puuraukude koordinaadid lisas nr 2

Lõimiseanalüüside tulemused proovides ja kaalutud keskmisena Koigu II uuringuruumis, 3. plakis

| Kaevand-puuraugu nr                | Ka-Pa 8                   | Ka-Pa 8 | Ka-Pa 8  | Ka-Pa 9 | Ka-Pa 9 | Ka-Pa 9  | Ka-Pa 10 | Ka-Pa 10 | Ka-Pa 10 | Kaalutud<br>keskmine |
|------------------------------------|---------------------------|---------|----------|---------|---------|----------|----------|----------|----------|----------------------|
| Proovi number                      | 8-1                       | 8-2     | 8-3      | 9-1     | 9-2     | 9-3      | 10-1     | 10-2     | 10-3     |                      |
| Proovimise intervall, m            | 0,4-4,2                   | 4,2-8,0 | 8,0-12,0 | 0,5-4,5 | 4,5-8,0 | 8,0-12,0 | 1,7-4,5  | 4,5-8,0  | 8,0-12,0 |                      |
| Intervalli pikkus, m               | 3,8                       | 3,8     | 4,0      | 4,0     | 3,5     | 4,0      | 2,8      | 3,5      | 4,0      | 99,6                 |
| Fraktsioonid, mm                   | Fraktsioonide sisaldus, % |         |          |         |         |          |          |          |          |                      |
| <0,063 mm                          | 0,8                       | 3,4     | 2,9      | 1,5     | 2,6     | 1,9      | 1,7      | 4,1      | 4,0      | 2,1                  |
| 0,063-0,125 mm                     | 1,2                       | 4,6     | 3,1      | 0,5     | 3,4     | 3,1      | 1,3      | 4,9      | 3,0      | 2,6                  |
| 0,125-0,25 mm                      | 5,0                       | 23,0    | 19,0     | 4,0     | 15,0    | 20,0     | 4,0      | 18,0     | 13,0     | 14,2                 |
| 0,25-0,5 mm                        | 19,0                      | 29,0    | 43,0     | 13,0    | 28,0    | 34,0     | 15,0     | 36,0     | 32,0     | 27,8                 |
| 0,5-1 mm                           | 17,0                      | 18,0    | 18,0     | 18,0    | 20,0    | 24,0     | 19,0     | 19,0     | 23,0     | 20,3                 |
| 1-2 mm                             | 11,0                      | 10,0    | 8,0      | 13,0    | 10,0    | 10,0     | 10,0     | 9,0      | 13,0     | 10,6                 |
| 2-4 mm                             | 7,0                       | 5,0     | 4,0      | 8,0     | 6,0     | 4,0      | 6,0      | 3,0      | 6,0      | 5,6                  |
| 4-6,3 mm                           | 5,0                       | 3,0     | 1,0      | 6,0     | 3,0     | 2,0      | 5,0      | 2,0      | 3,0      | 3,3                  |
| 6,3-8 mm                           | 2,0                       | 1,0     | 1,0      | 3,0     | 2,0     | 0,0      | 2,0      | 0,0      | 1,0      | 1,5                  |
| 8-12,5 mm                          | 4,0                       | 1,0     | 0,0      | 7,0     | 3,0     | 1,0      | 5,0      | 1,0      | 1,0      | 2,4                  |
| 12,5-16 mm                         | 1,0                       | 0,0     | 0,0      | 5,0     | 2,0     | 0,0      | 4,0      | 0,0      | 0,0      | 1,3                  |
| 16-20 mm                           | 3,0                       | 1,0     | 0,0      | 4,0     | 2,0     | 0,0      | 3,0      | 0,0      | 1,0      | 1,2                  |
| 20-31,5 mm                         | 5,0                       | 1,0     | 0,0      | 10,0    | 3,0     | 0,0      | 6,0      | 3,0      | 0,0      | 2,7                  |
| 31,5-40 mm                         | 9,0                       | 0,0     | 0,0      | 2,0     | 0,0     | 0,0      | 4,0      | 0,0      | 0,0      | 1,9                  |
| 40-63 mm                           | 10,0                      | 0,0     | 0,0      | 5,0     | 0,0     | 0,0      | 14,0     | 0,0      | 0,0      | 2,6                  |
| 63-80 mm                           | 0,0                       | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0      | 0,0      | 0,0      | 0,0                  |
| >80 mm                             | 0,0                       | 0,0     | 0,0      | 0,0     | 0,0     | 0,0      | 0,0      | 0,0      | 0,0      | 0,0                  |
| Sõela ava, mm                      | Sõela läbinud, %          |         |          |         |         |          |          |          |          |                      |
| 0,063                              | 0,8                       | 3,4     | 2,9      | 1,5     | 2,6     | 1,9      | 1,7      | 4,1      | 4,0      | 2,1                  |
| 0,125                              | 2,0                       | 8,0     | 6,0      | 2,0     | 6,0     | 5,0      | 3,0      | 9,0      | 7,0      | 4,7                  |
| 0,25                               | 7,0                       | 31,0    | 25,0     | 6,0     | 21,0    | 25,0     | 7,0      | 27,0     | 20,0     | 18,8                 |
| 0,5                                | 26,0                      | 60,0    | 68,0     | 19,0    | 49,0    | 59,0     | 22,0     | 63,0     | 52,0     | 46,6                 |
| 1                                  | 43,0                      | 78,0    | 86,0     | 37,0    | 69,0    | 83,0     | 41,0     | 82,0     | 75,0     | 66,9                 |
| 2                                  | 54,0                      | 88,0    | 94,0     | 50,0    | 79,0    | 93,0     | 51,0     | 91,0     | 88,0     | 77,5                 |
| 4                                  | 61,0                      | 93,0    | 98,0     | 58,0    | 85,0    | 97,0     | 57,0     | 94,0     | 94,0     | 83,1                 |
| 6,3                                | 66,0                      | 96,0    | 99,0     | 64,0    | 88,0    | 99,0     | 62,0     | 96,0     | 97,0     | 86,3                 |
| 8                                  | 68,0                      | 97,0    | 100,0    | 67,0    | 90,0    | 99,0     | 64,0     | 96,0     | 98,0     | 87,9                 |
| 12,5                               | 72,0                      | 98,0    | 100,0    | 74,0    | 93,0    | 100,0    | 69,0     | 97,0     | 99,0     | 90,3                 |
| 16                                 | 73,0                      | 98,0    | 100,0    | 79,0    | 95,0    | 100,0    | 73,0     | 97,0     | 99,0     | 91,6                 |
| 20                                 | 76,0                      | 99,0    | 100,0    | 83,0    | 97,0    | 100,0    | 76,0     | 97,0     | 100,0    | 92,8                 |
| 31,5                               | 81,0                      | 100,0   | 100,0    | 93,0    | 100,0   | 100,0    | 82,0     | 100,0    | 100,0    | 95,5                 |
| 40                                 | 90,0                      | 100,0   | 100,0    | 95,0    | 100,0   | 100,0    | 86,0     | 100,0    | 100,0    | 97,4                 |
| 63                                 | 100,0                     | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0    | 100,0    | 100,0    | 100,0                |
| 80                                 | 100,0                     | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0    | 100,0    | 100,0    | 100,0                |
| 125                                | 100,0                     | 100,0   | 100,0    | 100,0   | 100,0   | 100,0    | 100,0    | 100,0    | 100,0    | 100,0                |
| KESKMINE:                          |                           |         |          |         |         |          |          |          |          |                      |
| Savi ja tolmu sisaldus (<0,063 mm) | 0,8                       | 3,4     | 2,9      | 1,5     | 2,6     | 1,9      | 1,7      | 4,1      | 4,0      | 2,1                  |
| Liiva sisaldus (0,063-2,0 mm)      | 53,2                      | 84,6    | 91,1     | 48,5    | 76,4    | 91,1     | 49,3     | 86,9     | 84,0     | 75,4                 |
| Kruusa sisaldus (2,0-20 mm)        | 22,0                      | 11,0    | 6,0      | 33,0    | 18,0    | 7,0      | 25,0     | 6,0      | 12,0     | 15,2                 |
| >20 mm sisaldus                    | 24,0                      | 1,0     | 0,0      | 17,0    | 3,0     | 0,0      | 24,0     | 3,0      | 0,0      | 7,2                  |
| >31,5 mm sisaldus                  | 19,0                      | 0,0     | 0,0      | 7,0     | 0,0     | 0,0      | 18,0     | 0,0      | 0,0      | 4,5                  |

Katsetused teostas: AS TREV-2 Grupp labor, katseprotokoll nr 2023/1624

Koostas: Anne Rooma, Maavarauuringud OÜ

Märkus: kaevand-puuraukude koordinaadid lisas nr 2