

Descriptions of drill log

PA-1501 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,8m	QIV	fill: asphalt (0,1 m) and rubbles, from 0,2 m fine sand, yellowish-grey, low compacted, humid, doesn't smell
0,8-1m	QIV	soil: doesn't smell
1-1,2m	QIIIgl	clayey silt: bluish-grey, medium soft, contains building refuse, doesn't smell
1,2-2,2m	QIIIgl	clayey silt moraine: yellow and grey varigated, stiff, contains pieces of sandstone, doesn't smell
2,2-3m	Cm1ln	clay: bluish-grey, stiff, contains pices of sandstone
Waterlevel from ground 1,05m		25.08.2006

PA-1502 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,8m	QIV	fill: asphalt (0,1 m), rubbles, brick debris, fine sand, between 0,6-0,7 m asphalt, doesn't smell
0,8-1,2m	QIIIgl	clayey silt moraine: yellow and grey varigated, stiff, contains pieces of sandstone, doesn't smell
1,2-2m	Cm1ln	clay: bluish-grey, stiff, contains pices of sandstone
Water did not appear		25.08.2006

PA-1503 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,3m	QIV	fill: upper 0,2 m topsoil, below rubbles and building refuse mixed with topsoil, doesn't smell
1,3-1,5m	QIIIgl	clayey silt moraine: yellow and grey varigated, stiff, contains pieces of sandstone, doesn't smell
Water did not appear		25.08.2006

PA-1504 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,6m	QIV	fill: topsoil and rubbles, doesn't smell, from 0,4 m clayey silt and rubbles, doesn't smell
0,6-1,8m	QIV	fill: silty clay and rubbles, contains pieces of sandstone, smells between 0,6 and 0,9 m by oil and from 0,9 m smells by faeces
1,8-2,1m	QIIIgl	clayey silt moraine: yellow and grey varigated, stiff, contains pieces of sandstone, doesn't smell
2,1-2,6m	Cm1ln	clay: bluish-grey, stiff, contains pices of sandstone, doesn't smell
Waterlevel from ground 1,3m		25.08.2006
Soil(P)- and water(V) samples, depth and no: P 0,7-0,9m (A015779-06)		

PA-1505 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,6m	QIV	fill: asphalt and rubbles, doesn't smell
0,6-1,1m	QIV	fill: topsoil, gravelly sand, dark grey, smells by oil products
1,1-1,6m	Cm1ln	clay: yellow and grey varigated, stiff, contains pieces of sandstone, doesn't smell
Waterlevel from ground 1,2m		25.08.2006
Soil(P)- and water(V) samples, depth and no: P 0,9-1,0m (A015780-06)		

PA-1506 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,2m QIV	fill: topsoil, rubbles, brick debris, gravelly sand, doesn't smell
1,2-1,5m QIV	fill: gravelly sand, dirty black, middle compacted, wet, smells by oil products
1,5-1,6m QIIIgl	clayey silt moraine: grey, firm, contains 10% of coarse sandstone rubble, doesn't smell
1,6-2m Cm1ln	clay: yellow and grey varigated, stiff, contains pieces of sandstone, doesn't smell

Water did not appear 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 1,4-1,5m (A015781-06)

PA-1507 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,9m QIV	fill: topsoil, gravel, clayey silt, doesn't smell
0,9-1,1m QIVlgl	silty sand, light grey, medium compacted, humid, doesn't smell
1,1-1,4m Cm1ln	weathered sandstone: reddish-yellow, contains pieces of sandstone, doesn't smell
1,4-2,1m Cm1ln	clay: yellow and grey varigated, stiff, contains pieces of sandstone, doesn't smell

Waterlevel from ground 1,05m 25.08.2006

Soil(P)- and water(V) samples, depth and no: V 1,15-1,55m (V022678-06)

PA-1508 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,4m QIV	fill: topsoil, clayey silt, gravel, brown, doesn't smell
1,4-1,7m QIIIgl	clayey silt moraine: yellow and grey varigated, firm, contains 10 % pieces of sandstone, doesn't smell
1,7-2m Cm1ln	weathered sandstone: light grey, high compacted, humid, doesn't smell
2-2,1m Cm1ln	clay: grey, stiff, contains pieces of sandstone, doesn't smell

Waterlevel from ground 0,8m 25.08.2006

PA-1509 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,4m QIV	fill: rubbles, gravelly sand, doesn't smell
0,4-0,5m QIV	fill: gravelly sand mixed with hardened oil, smells by oil products
0,5-2,1m QIV	fill: clayey silt with sandstone pieces, brick debris, doesn't smell
2,1-2,4m QIIIgl	clayey silt: dirty black, conatins pieces of sandstone, smells by faeces

Water did not appear 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 2,3-2,4m (A015782-06)

PA-1510 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,6m QIV	fill: topsoil, rubbles, brick debris, lowest 0,1 m black, doesn't smell
0,6-1,8m QIV	fill: clayey silt, grey, stiff, contains pieces of sandstone, doesn't smell, from 1,0 m yellowish-grey, doesn't smell
1,8-2m QIV	fill: gravelly sand, dark brown, dirty, medium compacted, wet, doesn't smell

Water did not appear 25.08.2006

PA-1511 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,3m QIV	fill: rubbles and fine sand, doesn't smell
0,3-0,4m QIV	topsoil
0,4-2m QIVm	fine sand: greyish-brown, medium compacted, humid, doesn't smell
2-2,9m QIVm	gravelly sand: greyish-brown, medium compacted, humid-wet, from 2,4 m wet, doesn't smell
2,9-3,6m Cm1ln	clay: greenish-grey, stiff, doesn't smell

Water did not appear 25.08.2006

PA-1512 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,5m QIV	fill: topsoil, medium sand, humid, doesn't smell, between 0,9-1,0 m light yellow fine sand
1,5-2,4m QIV	fill: silty clay, between 1,6-1,8 m brick debris, doesn't smell
2,4-2,9m QIVm	gravelly sand: greyish-brown, medium compacted, humid, lowest 0,1 m wet, doesn't smell
2,9-3,3m Cm1ln	clay: greenish-grey, stiff, contains pieces of sandstone, doesn't smell

Water did not appear 25.08.2006

PA-1513 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1m QIV	fill: topsoil, fine sand, brick debris, doesn't smell
1-1,6m QIV	fill: gravelly sand, brown, medium compacted, humid, doesn't smell
1,6-1,8m QIV	fill: silty clay, greenish-grey, stiff, doesn't smell
1,8-2,2m QIVm	gravelly sand: greyish-brown, medium compacted, humid -wet, doesn't smell
2,2-2,8m QIIIgl	clayey silt moraine: yellow and grey varigated, firm, contains pieces of sandstone, doesn't smell
2,8-3,3m Cm1ln	clay: bluish-grey, stiff, contains pieces of sandstone, doesn't smell

Water did not appear 25.08.2006

PA-1514 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-2,8m QIV	fill: rubbles, topsoil, gravelly sand, brick debris, reddish-black, doesn't smell
2,8-3m QIVm	gravel: brownish-black, water saturated, smells by oil products
3-3,5m Cm1ln	clay: greenish-grey, stiff, doesn't smell

Waterlevel from ground 2,6m 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 2,9-3,0m (A015783-06)

PA-1515 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,1m QIV	fill: topsoil (0,2 m), below medium sand, brick debris, doesn't smell
1,1-1,6m QIV	fill: fine sand, yellowish-grey, medium compacted, humid, doesn't smell, from 1,4 m rubbles, sand, doesn't smell
1,6-1,9m QIVm	gravelly sand: black, medium compacted, humid, doesn't smell

Water did not appear 25.08.2006

PA-1516 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,2m QIV	fill: topsoil, doesn't smell
0,2-2,6m QIV	fill: rubbles, topsoil, fine sand, brown, doesn't smell, from 2,0 m gravelly sand, rubbles, brown, doesn't smell
2,6-3,3m QIVm	gravelly sand: black, medium compacted, water saturated, smells by oil products
3,3-3,5m Cm1ln	clay: greenish-grey, stiff, doesn't smell
Waterlevel from ground 2m 25.08.2006	
Soil(P)- and water(V) samples, depth and no:	P 2,7-2,8m (A015784-06)
	V 1,9-3,0m (V022679-06)

PA-1517 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1m QIV	fill: topsoil, brick debris, doesn't smell
1-1,8m QIVlgl	silty sand: yellow and grey varigated, high compacted, humid, doesn't smell, from 1,5 m grey, doesn't smell
1,8-2m Cm1ln	weathered sandstone: light grey, high compacted, contains hard pieces of sandstone, doesn't smell
Waterlevel from ground 1,35m 25.08.2006	

PA-1518 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,5m QIV	fill: asphalt (5 cm), rubbles, topsoil, gravel, brown
0,5-1m QIV	fill: gravel brown, smells slightly by oil products
1-1,5m QIVlgl	silty sand: yellowish-grey, high compacted, humid, contains pieces of sandstone, doesn't smell
Water did not appear 25.08.2006	
Soil(P)- and water(V) samples, depth and no:	P 0,8-0,9m (A015785-06)

PA-1519 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1m QIV	fill: topsoil, brick debris, fine sand, from 0,5 m black, doesn't smell
1-2,6m QIVlgl	silty sand: yellow and grey varigated, high compacted, humid, doesn't smell
2,6-3m Cm1ln	weathered sandstone: bluish-grey contains layers of clay, doesn't smell
Waterlevel from ground 1,1m 25.08.2006	

PA-1520 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,5m QIV	fill: topsoil, doesn't smell; from 0,5 m silty sand and clayey silt, doesn't smell
0,5-1,4m QIV	fill: miscellaneous grain size sands, clay, smells by oil products
1,4-1,6m QIV	fill: clayey silt, dirty grey, stiff, smells by oil products
1,6-2,6m QIIIgl	silty clay moraine: greyish-brown, stiff, contains 10% of coarse sandstone rubble, doesn't smell
2,6-3m Cm1ln	weathered sandstone: grey, high compacted, humid, doesn't smell
Waterlevel from ground 0,8m 25.08.2006	
Soil(P)- and water(V) samples, depth and no:	P 0,9-1,0m (A015786-06)
	P 1,3-1,4m (A015787-06)

PA-1521 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,6m QIV	fill: topsoil, rubbles, fine sand, doesn't smell
0,6-1m QIV	fill: gravel, brown, medium compacted, humid, doesn't smell
1-1,3m QIIIgl	clayey silt: yellow and brown varigated, humid, doesn't smell
1,3-1,6m QIIIgl	silty clay moraine: greyish-brown, stiff, contains 10% of coarse sandtone rubble, doesn't smell

Water did not appear 25.08.2006

PA-1522 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,3m QIV	fill: topsoil, doesn't smell, lower 0,1 m wet
1,3-1,6m QIIIgl	silty clay moraine: greyish-brown, stiff, contains 10% of coarse sandstone rubble, doesn't smell

Water did not appear 25.08.2006

PA-1523 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-0,2m QIV	fill: topsoil, doesn't smell
0,2-1m QIV	fill: topsoil, fine sand, brick debris, doesn't smell
1-2,1m QIVm	silty sand: grey, contains clayey layers, doesn't smell, from 1,8 m black, low compacted, water saturated, doesn't smell
2,1-2,4m Cm1ln	weathered sandstone: grey, high compacted, water saturated, doesn't smell

Waterlevel from ground 1,15m 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 1,9-2,5m (A015788-06)

PA-1524 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,8m QIV	fill: rubbles, black, doesn't smell, from 0,6 m rubbles mixed with fine sand, doesn't smell
1,8-2m QIVm	gravel: black, high compacted, wet, smells slightly by oil products
2-3,4m QIVm	gravel: brown, medium compacted, water saturated, contains pebbles, doesn't smell
3,4-3,5m Cm1ln	sandstone with interlayers of clay: bluish-grey, high compacted, doesn't smell

Water did not appear 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 2,9-3,0m (A015789-06)
V 2,1-3,0m (V022680-06)**PA-1525 Maves no-5168**

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-2m QIV	fill: topsoil (0,1 m), below fine sand, brick debris, clayey silt, doesn't smell; from 1,0 m fine sand, medium compacted, humid, doesn't smell; from 1,6 m rubbles, stones
2-3,3m QIVm	gravel: brown, medium compacted, water saturated, doesn't smell
3,3-3,9m QIVm	gravel: brown, medium compacted, water saturated, smells by oil products
3,9-4,3m Cm1ln	weathered sandstone: grey, high compacted, doesn't smell
4,3-4,9m Cm1ln	clay: greenish-grey, stiff, doesn't smell

Waterlevel from ground 2,15m 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 3,3-3,5m (A015790-06)

PA-1526 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,1m QIV	fill: topsoil, clayey silt, brick debris, rubbles, doesn't smell
1,1-2,7m QIV	fill: gravel, fine sand, shit, smells by shit and oil products
2,7-3,2m Cm1ln	weathered sandstone: grey, high compacted, doesn't smell

Water did not appear 25.08.2006

PA-1527 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,4m QIV	fill: topsoil, brick debris, rubbles, doesn't smell, from 1,0 m fine sand, brick debris, clayey silt, doesn't smell
1,4-1,7m QIV	fill: gravelly sand, dirty black, brick debris, water saturated, smells by oil products, from 1,6 m gravelly sand, dirty black medium compacted, smells by oil products
1,7-2,9m QIIIgl	clayey silt moraine: greenish-grey, stiff, contains 10% of coarse sandstone rubble, doesn't smell
2,9-3m Cm1ln	weathered sandstone: grey, high compacted, doesn't smell

Waterlevel from ground 1,35m 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 1,6-1,7m (A015791-06)

PA-1528 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,2m QIV	fill: brick debris, buiding refuse, rubbles, gravel, doesn't smell
1,2-1,4m QIV	fill: rubbles, black, oily, smells by oil products
1,4-2m QIVm	gravel: black, medium compacted, smells by oil products
2-2,9m QIVm	gravelly sand: black, medium compacted, water saturated, smells by oil products
2,9-3,7m Cm1ln	weathered sandstone: grey, high compacted, doesn't smell
3,7-4,1m Cm1ln	clay: greenish-grey, stiff, doesn't smell

Water did not appear 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 1,0-1,1m (A015792-06)
V 2,1-3,5m (V022681-06)**PA-1529 Maves no-5168**

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,7m QIV	fill: topsoil, clayey silt, rubbles, doesn't smell
1,7-3,7m QIVm	gravelly sand: black, medium compacted, water saturated, smells slightly, from 3,5 m strongly by oil products
3,7-4,1m Cm1ln	weathered sandstone: greenish-grey, high compacted, contains pieces of sandstone

Waterlevel from ground 2,15m 25.08.2006

PA-1530 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,8m QIV	fill: rubbles, clayey silt, doesn't smell; from 0,5 m gravelly sand, brown medium compacted, humid; from 1,0 m medium sand, brown, medium compacted, humid, doesn't smell
1,8-3,5m QIVm	gravelly sand: grey, medium compacted, water saturated, fom 2,9 m with pebbles, doesn't smell
3,5-4m QIVm	medium sand: black, medium compacted, water saturated, smells by oil products

Waterlevel from ground 2,1m 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 2,8-2,9m (A015793-06)
P 3,4-3,5m (A015794-06)

PA-1531 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,4m QIV	fill: gravelly sand, brick debris, doesn't smell
1,4-2m QIV	fill: medium sand, yellowish-grey, medium compacted, humid, doesn't smell
2-2,7m QIV	fill: gravelly sand, greyish-brown, medium compacted, water saturated, doesn't smell
2,7-3m QIV	fill: gravelly sand, black, medium compacted, water saturated, smells by oil products
3-4,1m QIV	fill: gravel, brick debris, water saturated, doesn't smell

Water did not appear 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 2,9-3,0m (A015795-06)

PA-1532 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-3m QIV	fill: rubbles, brick debris, fine sand, doesn't smell; from 1,2 m medium sand, yellowish-grey, medium compacted, humid, doesn't smell; from 2,4 m gravelly sand, brick debris, fine sand, black, doesn't smell
3-3,8m QIVm	gravelly sand: black, medium compacted, water saturated, doesn't smell
3,8-4,1m QIIIgl	clayey silt moraine: greenish-grey, stiff, contains pieces of sandstone, doesn't smell

Waterlevel from ground 2,4m 25.08.2006

PA-1533 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,4m QIV	fill: topsoil (0,4 m), below brick debris, rubbles, from 0,6 m medium sand, yellowish-brown, medium compacted, humid, doesn't smell
1,4-1,6m QIV	fill: medium sand, black, medium compacted, humid, smells slightly by oil products
1,6-4,1m QIV	fill: rubbles, smells by oil products

Waterlevel from ground 2,3m 25.08.2006

Soil(P)- and water(V) samples, depth and no: V 2,3-2,6m (V022682-06)

PA-1534 Maves no-5168

Absolute height of ground: m

X lambert m Y lambert m

DESCRIPTIONS OF LAYERS ARE FOLLOWING:

0-1,8m QIV	fill: sand, brick debris, rubbles, doesn't smell
1,8-3m QIV	fill: medium sand, rubbles, black, from 2,0 water saturated, smells by oil products
3-3,9m QIV	fill: rubbles, black, high compacted, water saturated, smells by oil products
3,9-4,1m Cmlln	weathered sandstone: grey, high compacted, water saturated, doesn't smell

Waterlevel from ground 2,05m 25.08.2006

Soil(P)- and water(V) samples, depth and no: P 1,8-2,5m (A015796-06)

KAEVANDITE KIRJELDUSED**195 M-99165**

Puuraugu suudme absoluutkõrgus: 3,05m

X lambert 537522,2m Y lambert 6591437,9m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-3,6m QIV

Täitepinnas: killustik, betooni kamakad, alates sügavusest 2,1m veeküllastunud. Sügavusel 2,8m on pinnas reostunud naftasaadustega

3,6-4,1m Cm1ln

Sinisavi: rohekashall, kõvaplastne

Veetase maapinnast 2,1m 13.12.1999

196 M-99165

Puuraugu suudme absoluutkõrgus: 2,7m

X lambert 537596,1m Y lambert 6591442,2m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-2,5m QIV

Täitepinnas: killustik, lubjakivi lahmakad, rauajäätmed, ehituspraht, kruus, veerised, alates sügavusest 2,8m veeküllastunud

2,5-2,8m QIIIlgI

Liivsavi: hall, kõvaplastne, täitesegune

2,8-3,1m Cm1ln

Sinisavi: rohekashall, kõvaplastne

Veetase maapinnast 2,8m 13.12.1999

197 M-99165

Puuraugu suudme absoluutkõrgus: 3,05m

X lambert 537642,7m Y lambert 6591257m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-0,3m QIV

Muld.,

0,3-1,6m QIV

Täitepinnas: ehituspraht, betooni kamakad, armatuurraud, killustik, liiv, alates sügavusest 0,8m veeküllastunud

1,6-2,2m QIV

Täitepinnas: liiv, kohev, naftasaadustega reostunud, veeküllastunud

2,2-2,4m QIV

Täitepinnas: ehituspraht, muld, veeküllastunud

Veetase maapinnast 0,8m 13.12.1999

198 M-99165

Puuraugu suudme absoluutkõrgus: 2,6m

X lambert 537677,5m Y lambert 6591245,2m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-0,3m QIV

Muld

0,3-3,5m QIV

Täitepinnas: ehituspraht, tellised, lubjakivi lahmakad, killustiku ja liiva vahetäitega. Alates 0,9m veeküllastunud

3,5-3,8m QIIIlgI

Liivsavi: rohekashall, sitkeplastne, täitesegune

3,8-4,1m Cm1ln

Sinisavi: rohekashall, kõvaplastne

Veetase maapinnast 0,9m 13.12.1999

KAEVANDITE KIRJELDUSED

410 M-V-203

Puuraugu suudme absoluutkõrgus: 5m

X lambert 537655,3m Y lambert 6591427,6m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-1,9m QIV

Täitepinnas: killustik ja paesõelmed, puhas; alates 0,5 m killustik, šlack, asfalditükid, suhteliselt puhas

1,9-3,05m Cm1lk

liivsavi: plastne, alates 2,4 m aleuroliit liivakivi vahekihtidega

Vesi ei ilmunud 2.12.1996

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 1,7-1,8m (5035)

411 M-V-203

Puuraugu suudme absoluutkõrgus: 4,8m

X lambert 537664,2m Y lambert 6591414,5m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-1,8m QIV

Täitepinnas: killustik ja veerised, puhas; alates 0,65 m savikas täitepinnas liiva vahekihtide ja oesadega; vahemikus 1,0-1,8 m nõrk naftahais

1,8-2m Cm1lk

liivsavi: plastne

Vesi ei ilmunud 2.12.1996

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 1,1m (5036)

P 1,6-1,7m (5037)

412 M-V-203

Puuraugu suudme absoluutkõrgus: 2,6m

X lambert 537733,1m Y lambert 6591181,7m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-2,95m QIV

Täitepinnas: killustik ja liiv; alates 0,7 m naftahais

Veetase maapinnast 1,7m 2.12.1996

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 0,7m (5038)

P 2,0m (5039)

P 2,7m (5040)

413 M-V-203

Puuraugu suudme absoluutkõrgus: 2,5m

X lambert 537745,7m Y lambert 6591166,3m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-3m QIV

Täitepinnas: liiv veeristega, puhas; alates 1,8 m naftahais

Vesi ei ilmunud 2.12.1996

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 2,5m (5041)

414 M-V-203

Puuraugu suudme absoluutkõrgus: 2,6m

X lambert 537767,2m Y lambert 6591217,1m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-1,55m QIV

Täitepinnas: killustik õliga läbi imunud; alates 0,6 m liiv ja liivsavi

1,55-2m Cm1lk

liivsavi

Vesi ei ilmunud 2.12.1996

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 1,0m (5042)

P 1,5m (5043)

415 M-V-203

Puuraugu suudme absoluutkõrgus: 2,8m

X lambert 537785,4m Y lambert 6591205,5m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-1,6m QIV

Täitepinnas: liiv veeristega, õliga läbiimunud

1,6-2m Cm1lk

liivsavi: plastne, alates 1,9 m aleuroliit

Vesi ei ilmunud 2.12.1996

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 0,5m (5044)

P 1,5m (5045)

416 M-V-203

Puuraugu suudme absoluutkõrgus: 4,2m

X lambert 537801,4m Y lambert 6591215,8m

GEOLOOGILISTE KIHITIDE KIRJELDUSED

0-1,5m QIV

Täitepinnas: killustik, alates 0,2 m liiv

1,5-1,65m QIVm

Keskliiv

1,65-2m Cm1lk

aleurollit

Vesi ei ilmunud 2.12.1996

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 1,4m (5046)

KAEVANDITE KIRJELDUSED

407 M-V-202

Puuraugu suudme absoluutkõrgus: 2,5m

X lambert 537732,8m Y lambert 6591166,3m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-3,8m QIV Täitepinnas

3,8-4,75m QIVm kruusliiv

4,75-4,76m Cm1lk liivakivi

Veetase maapinnast 2,2m 22.08.1995

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 1,0m (1101)

P 2,50m (1102)

P 3,6m (1103)

P 4,5m (1104)

408 M-V-202

Puuraugu suudme absoluutkõrgus: 2,5m

X lambert 537712,2m Y lambert 6591141,6m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-4,1m QIV Täitepinnas

4,1-4,15m Cm1lk liivakivi

Veetase maapinnast 2,04m 22.08.1995

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 2,8m (1105)

P 3,0m (1106)

P 3,9m (1107)

409 M-V-202

Puuraugu suudme absoluutkõrgus: 2,6m

X lambert 537774,1m Y lambert 6591172,2m

GEOLOOGILISTE KIHTIDE KIRJELDUSED

0-3m QIV Täitepinnas

3-3,4m Cm1lk liivakivi

Veetase maapinnast 1,75m 22.08.1995

Pinnase(P)- ja veeproovid(V), sügavus ja nr: P 0,8m (1108)

P 2,0m (1109)

P 3,0m (1110)

P 3,2m (1111)

Seirepuuraugu arvestuskaart nr

Riiklik registri nr **19 839**

1. Maakond, vald: **Harjumaa** **Tallinna linn**
2. Puuraugu asukoht ja valdaja: **Piirivalvesadam** **Süsta 15**
Siseministeerium
3. Topograafilise kaardilehe nomenklatuur mõõtkavas 1 : 200 000: **O-35**
4. Geograafilised koordinaadid: **x = 6591319,2** **y = 537658,4**
5. Puuraugu sügavus **3,5 m** ja suudme absoluutkõrgus **2,70 m**
6. Puuraugu otstarve: **põhjavee seire**
7. Puurimisfirma ja rajamise aasta: **AS Maves** **2006.a**
8. Puuraugu projekti number ja autor: **puudub**
9. Puuraugu number: **1516**
10. Arvestuskaardi säilitamise koht: **Eesti geoloogiafond**
11. Puurimise viis: **mehaaniline löök**
12. Puuraugu konstruktsioon ja torutagune tsementimine:
manteltoru Ø 108 mm **+0,5...1,0 m**,
plasttoru HDPE Ø **60 mm +0,5...0,3 m**, perforeeritud osa (filter) **0,3...3,3 m**
13. Pumpamise viis ja kestvus:
14. Deebit - m^3/h (- l/s) alanemine - m erideebit - m^3/hm
15. Geoloogiline läbilõige:

Jrk nr	litoloogiline kirjeldus	geo- loogiline indeks	kihi paksus	kihi lamami sügavus	veekihi lasuvussügavus	vee- tase
1	TÄITEPINNAS: muld, killustik ja kruusliiv	Q _{IV}	2,6	2,6	1,90-3,3	1,90
2	KRUUSLIIV	Q _{IVm}	0,7	3,3		
3	SAVI	Cm _{1ln}	0,2	3,5		

Jrk nr	litoloogiline kirjeldus	geo- loogiline indeks	kihi paksus	kihi lamami sügavus	veekihi lasuvussügavus	vee- tase

16. Vee kvaliteet: a) füüsikalised omadused:

maitse
läbipaistvus cm
värvus °
sade

b) keemiline koostis:

Veekihi geoloogil indeks	Proovi võtmise kuupäev	PAH $\mu\text{g}/\text{l}$	naftasaadused $\mu\text{g}/\text{l}$	aromaatsed süsivesinikud ($\mu\text{g}/\text{l}$)				
				kokku	benseen	tolueen	ksüleenid	etüül- benseen
Q _{IV}	25.08.2006	16,24	24970	0	0	0	0	0

Arseen ja raskmetallid ($\mu\text{g}/\text{l}$)

As	Cd	Pb	Sr	Cu	Cr	Ni	Zn			fenoolid
10	0	1,2	280	2	0,28	9,2	24			0

c) bakterioloogiline analüüs: coli-laadsed bakterid - pesa/100 cm
TT coli-laadsed bakterid - pesa/100 cm
Heterotroofsed bakterid - pesa/100 cm

16. Lisaandmed: vees sisalduvate ohtlike ainete täielik nimekiri on esitatud lisana.

Kaardi täitis:

hüdroteoloog M. Salu

Kaardi täitmise kuupäev

24. jaanuar 2007.a

Kontrollis (EGK töötaja):

Seirepuuraugu arvestuskaart nr

Riiklik registri nr **19 840**

1. Maakond, vald: **Harjumaa** **Tallinna linn**

2. Puuraugu asukoht ja valdaja: **Piirivalvesadam** **Süsta 15**

Siseministeerium

3. Topograafilise kaardilehe nomenklatuur mõõtkavas 1 : 200 000: **O-35**

4. Geograafilised koordinaadid: $x = 6591265,6$ $y = 537697,2$

5. Puuraugu sügavus **3,5 m** ja suudme absoluutkõrgus **2,95 m**

6. Puuraugu otstarve: **põhjavee seire**

7. Puurimisfirma ja rajamise aasta: **AS Maves** **2006.a**

8. Puuraugu projekti number ja autor: **puudub**

9. Puuraugu number: **1524**

10. Arvestuskaardi säilitamise koht: **Eesti geoloogiafond**

11. Puurimise viis: **mehaaniline löök**

12. Puuraugu konstruktsioon ja torutagune tsementimine:

manteltoru Ø 108 mm **+0,7... 1,3 m**,

plasttoru HDPE Ø **60 mm +0,7...1,0 m**, perforeeritud osa (filter) **+1,0... 3,0 m**

13. Pumpamise viis ja kestvus:

14. Deebit - m^3/h (- l/s) alanemine - m erideebit - m^3/hm

17. Geoloogiline läbilõige:

Jrk nr	litoloogiline kirjeldus	geo- loogiline indeks	kihi paksus	kihi lamami sügavus	veekihi lasuvussügavus	vee- tase
1	TÄITEPINNAS: killustik ja peenliiv	Q _{IV}	1,8	1,8		
2	PEENLIIV	Q _{IVm}	1,6	3,4	2,10-3,0	2,10
3	LIIVAKIVI	Cm _{1lk}	0,1	3,5		

Jrk nr	litoloogiline kirjeldus	geo-loogiline indeks	kihi paksus	kihi lamami sügavus	veekihi lasuvussügavus	vee-tase

16. Vee kvaliteet: a) füüsikalised omadused:

maitse
läbipaistvus cm
värvus °
sade

b) keemiline koostis:

Veekihi geoloogil indeks	Proovi võtmise kuupäev	PAH $\mu\text{g/l}$	naftasaadused $\mu\text{g/l}$	aromaatsed süsivesinikud ($\mu\text{g/l}$)				
				kokku	benseen	tolueen	ksüleenid	etüül-benseen
Q _{IV}	25.08.2006	0	0	0	0	0	0	0

Arseen ja raskmetallid ($\mu\text{g/l}$)

As	Cd	Pb	Sr	Cu	Cr	Ni	Zn			fenoolid
3,5	0,3	0,9	260	43	0,2	11	30			0

c) bakterioloogiline analüüs: coli-laadsed bakterid - pesa/100 cm

TT coli-laadsed bakterid - pesa/100 cm

Heterotroofsed bakterid - pesa/100 cm

18. Lisaandmed: vees sisalduvate ohtlike ainete täielik nimekiri on esitatud lisana.

Kaardi täitis:

hüdroteoloog M. Salu

Kaardi täitmise kuupäev

24. jaanuar 2007.a

Kontrollis (EGK töötaja):

Seirepuuraugu arvestuskaart nr

Riiklik registri nr **19 841**

1. Maakond, vald: **Harjumaa** **Tallinna** linn
2. Puuraugu asukoht ja valdaja: **Piirivalvesadam** **Süsta 15**
Siseministeerium
3. Topograafilise kaardilehe nomenklatuur mõõtkavas 1 : 200 000: **O-35**
4. Geograafilised koordinaadid: $x = 6591166,9$ $y = 537785,4$
5. Puuraugu sügavus **4,1 m** ja suudme absoluutkõrgus **2,95 m**
6. Puuraugu otstarve: **põhjavee seire**
7. Puurimisfirma ja rajamise aasta: **AS Maves** **2006.a**
8. Puuraugu projekti number ja autor: **puudub**
9. Puuraugu number: **1528**
10. Arvestuskaardi säilitamise koht: **Eesti geoloogiafond**
11. Puurimise viis: **mehaaniline lõök**
12. Puuraugu konstruktsioon ja torutagune tsementimine:
manteltoru $\varnothing$ 108 mm **+0,65... 1,35 m**,
plasttoru HDPE $\varnothing$ **60 mm +0,5...1,5 m**, perforeeritud osa (filter) **+1,5... 3,5 m**
13. Pumpamise viis ja kestvus:
14. Deebit - $\frac{m^3}{h}$ (- $\frac{l}{s}$) alanemine - m erideebit - $\frac{m^3}{hm}$
19. Geoloogiline läbilõige:

Jrk nr	litoloogiline kirjeldus	geo- loogiline indeks	kihi paksus	kihi lamami sügavus	veekihi lasuvussügavus	vee- tase
1	TÄITEPINNAS: killustik ja kruus	Q _{IV}	1,4	1,4		
2	KRUUS	Q _{IVm}	0,6	2,0	2,10-3,5	2,10
3	KRUUSLIIV	Q _{IVm}	0,9	2,9		
4	LIIVAKIVI	Cm _{1lk}	0,8	3,7		
5	SAVI	Cm _{1ln}	0,4	4,1		

Jrk nr	litoloogiline kirjeldus	geo- loogiline indeks	kihi paksus	kihi lamami sügavus	veekihi lasuvussügavus	vee- tase

16. Vee kvaliteet: a) füüsikalised omadused:

maitse
läbipaistvus cm
värvus °
sade

b) keemiline koostis:

Veekihi geoloogil indeks	Proovi võtmise kuupäev	PAH $\mu\text{g/l}$	naftasaadused $\mu\text{g/l}$	aromaatsed süsivesinikud ($\mu\text{g/l}$)				
				kokku	benseen	tolueen	ksüleenid	etüül- benseen
Q _{IV}	25.08.2006	162,55	60620	88	4	2	8	1

Arseen ja raskmetallid ($\mu\text{g/l}$)

As	Cd	Pb	Sr	Cu	Cr	Ni	Zn			fenoolid
6,3	1,1	0,58	1000	5,6	0,43	38	51			0

c) bakterioloogiline analüüs: coli-laadsed bakterid - pesa/100 cm
TT coli-laadsed bakterid - pesa/100 cm
Heterotroofsed bakterid - pesa/100 cm

20. Lisaandmed: vees sisalduvate ohtlike ainete täielik nimekiri on esitatud lisana.

Kaardi täitis:

hüdroteoloog M. Salu

Kaardi täitmise kuupäev

24. jaanuar 2007.a

Kontrollis (EGK töötaja):



Sampling person		Mati Salu	Mati Salu	Mati Salu
Sample Point		JRK 15	JRK 15	JRK 15
Sample		Piirivalvesadam	Piirivalvesadam	Piirivalvesadam
Sample name		V022679-06	V022680-06	V022681-06
Sample depth		Drilling 1516,	Drilling 1524,	Drilling 1528,
Sampling method		deep 1,9-3,0m	deep 2,1-3,0m	deep 2,1-3,5m
Sample Date		A209:35	A209:34	A209:35
Concentrations are reported per Dry Weight		2006-08-25	2006-08-25	2006-08-25
Group 1 Volatile Organic Compounds				
	Units			
Benzene	µg/l	<0.2	<0.2	4
Toluene	µg/l	<1	<1	2
Xylene	mg/l	<0.001	<0.001	0,008
Ethylbenzene	µg/l	<1	<1	1
Sum TEX	mg/l	<0.001	<0.001	0,011
Styrene	µg/l	<1	<1	<1
MTBE	µg/l	<0.01	<0.01	<0.01
Chloroorganic aromatics				
Chlorobenzene	µg/l	<1	<1	<1
2-Chlorotoluene	µg/l	<1	<1	<1
4-Chlorotoluene	µg/l	<1	<1	<1
1,3-dichlorobenzene	µg/l	<1	<1	<1
1,4-dichlorobenzene	µg/l	<1	<1	<1
1,2-dichlorobenzene	µg/l	<1	<1	<1
1,2,4-trichlorobenzene	µg/l	<1	<1	<1
1,2,3-trichlorobenzene	µg/l	<1	<1	<1
1,2-dichloroethane	µg/l	<1	<1	1
Hexachloroethane	µg/l	<0.10	<0.10	<0.10
Chloroform	µg/l	<1	<1	<1
<i>Auxiliary volatile organic compounds</i>				
Isopropylbenzene	µg/l	<1	<1	3
Propylbenzene	µg/l	<1	<1	1
1,3,5-trimethylbenzene	µg/l	<1	<1	1
Tert-butylbenzene	µg/l	<1	<1	1
1,2,4-trimethylbenzene	µg/l	<1	<1	2
Sec-butylbenzene	µg/l	<1	<1	56
p-isopropylbenzene	µg/l	<1	<1	<1
Butylbenzene	µg/l	<1	<1	9
Fluorotrichloromethane	µg/l	<1	<1	<1
1,1,2-trichloroethane	µg/l	<1	<1	<1
1,1-dichloroethene	µg/l	<1	<1	<1
1,1,1,2-Tetrachloroethane	µg/l	<1	<1	<1
Tetrachloroethene	µg/l	<1	<1	<1
Dichloromethane	µg/l	<1	<1	<1
1,3-dichloropropane	µg/l	<1	<1	<1
Trans-1,2-dichloroethene	µg/l	<1	<1	<1
Dibromochloromethane	µg/l	<1	<1	<1
1,1-dichloroethane	µg/l	<1	<1	<1
1,2-dibromoethane	µg/l	<1	<1	<1
2,2-dichloropropane	µg/l	<1	<1	<1
Cis-1,2-dichloroethene	µg/l	<1	<1	<1
Bromoform	µg/l	<1	<1	<1
Bromobenzene	µg/l	<1	<1	<1

Sampling person		Mati Salu	Mati Salu	Mati Salu
Sample Point		JRK 15	JRK 15	JRK 15
Sample		Piirivalvesadam	Piirivalvesadam	Piirivalvesadam
Sample name		V022679-06	V022680-06	V022681-06
Sample depth		Drilling 1516, deep 1,9-3,0m	Drilling 1524, deep 2,1-3,0m	Drilling 1528, deep 2,1-3,5m
Sampling method		A209:35	A209:34	A209:35
Sample Date		2006-08-25	2006-08-25	2006-08-25
Concentrations are reported per Dry Weight				
	Units			
1,1,1-trichlorethane	µg/l	<1	<1	<1
1,2,3-trichloropropane	µg/l	<1	<1	<1
Tetrachloromethane	µg/l	<1	<1	<1
1,1-dichloropropane	µg/l	<1	<1	<1
Trichloroethene	µg/l	<1	<1	<1
1,2-dichloropropane	µg/l	<1	<1	<1
Dibrommethane	µg/l	<1	<1	<1
Bromchloromethane	µg/l	<1	<1	<1
Bromodichloromethane	µg/l	<1	<1	<1
Hexachlorobutadien	µg/l	<1	<1	<1
1,3-Dichloropropene	µg/l	<1	<1	<1
Group 2 Extractive compounds				
Aliphatics >C5-C8	mg/l	<0.02	<0.02	0,67
Aliphatics >C8-C10	mg/l	0,1	<0.02	4,2
Aliphatics >C10-C12	mg/l	0,71	<0.02	2,2
Aliphatics >C12-C16	mg/l	12	<0.02	24
Aliphatics >C16-C35	mg/l	12	<0.05	26
Aromatics >C8-C10	mg/l	0,16	<0.1	2,9
Aromatics >C10-C35	mg/l	<0.1	<0.1	0,65
Poly Chlorinated Biphenyls PCBs				
2,4,4'-Trichlorobiphenyl	µg/l	<0.10	<0.10	<0.10
2,2',5,5'-Tetrachlorobiphenyl	µg/l	<0.10	<0.10	<0.10
2,2',4,5,5'-Pentachlorobiphenyl	µg/l	<0.10	<0.10	<0.10
2,3',4,4',5'-Pentachlorobiphenyl	µg/l	<0.10	<0.10	<0.10
2,4,5,2',4',5'-Hexachlorobiphenyl	µg/l	<0.10	<0.10	<0.10
2,2',3,4,4',5'-Hexachlorobiphenyl	µg/l	<0.10	<0.10	<0.10
2,2',3,4,4',5,5'-Heptachlorobiphenyl	µg/l	<0.10	<0.10	<0.10
Group 3 Phenols and Cresols				
Phenol	µg/l	<1.00	<1.00	<1.00
m-cresol	µg/l	<1.00	<1.00	<1.00
o-cresol	µg/l	<1.00	<1.00	<1.00
p-cresol	µg/l	<1.00	<1.00	<1.00
2,3-dimethylphenol	µg/l	<1.00	<1.00	<1.00
3,4-dimethylphenol	µg/l	<1.00	<1.00	<1.00
2,6-dimethylphenol	µg/l	<1.00	<1.00	<1.00
Sum dichlorophenol	µg/l	<1.0	<1.0	<1.0
Sum trichlorophenol	µg/l	<1.0	<1.0	<1.0
Sum tetrachlorophenol	µg/l	<1.0	<1.0	<1.0
Chlorophenol	µg/l	<1.0	<1.0	<1.0
Sum cresols	µg/l	<3.0	<3.0	<3.0

Sampling person		Mati Salu	Mati Salu	Mati Salu
Sample Point		JRK 15	JRK 15	JRK 15
Sample		Piirivalvesadam	Piirivalvesadam	Piirivalvesadam
Sample name		V022679-06	V022680-06	V022681-06
Sample depth		Drilling 1516,	Drilling 1524,	Drilling 1528,
Sampling method		deep 1,9-3,0m	deep 2,1-3,0m	deep 2,1-3,5m
Sample Date		A209:35	A209:34	A209:35
Concentrations are reported per Dry Weight		2006-08-25	2006-08-25	2006-08-25
Group 5 PAH	Units			
	Units			
Anthracene	µg/l	0,23	<0.10	<0.30
Phenanthrene	µg/l	0,46	<0.10	45
Pyrene	µg/l	2,3	<0.10	3,7
Acenaphthene	µg/l	<0.30	<0.10	<0.30
Chrysene	µg/l	1,4	<0.10	1,7
Naphtalene	µg/l	2	<0.10	15
α-methylnaphtalene	µg/l	<0.10	<0.10	52
β-methylnaphtalene	µg/l	<0.10	<0.10	1,1
Acenaphtalene	µg/l	<0.30	<0.10	<0.30
Benzo(a)pyrene	µg/l	0,92	<0.10	0,87
Benzo(a)anthracene	µg/l	0,92	<0.10	1,3
Benzo(b,k)fluorantene	µg/l	1,8	<0.10	1,9
Indeno(1,2,3,c,d)pyrene	µg/l	0,69	<0.10	0,43
Dibenzo(a,h)anthracene	µg/l	0,23	<0.10	0,22
9H-Fluorene	µg/l	2,1	<0.10	35
Fluorantene	µg/l	2,5	<0.10	3,9
Benzo(g,h,i)perylene	µg/l	0,69	<0.10	0,43
Dibenzofuran	µg/l	0,68	<0.10	13
Carbazole	µg/l	<0.10	<0.10	0,43
Sum carcinogenic PAH	µg/l	<0.50	<0.30	6,4
Sum other PAH	µg/l	10	<0.50	100
Group 7 Metals				
Cadmium	mg/l	<0.00002	0,00033	0,0011
Lead	mg/l	0,0012	0,00093	0,00058
Strontium	mg/l	0,28	0,26	1
Arsenic	mg/l	0,01	0,0035	0,0063
Copper	mg/l	0,002	0,043	0,0056
Chromium	mg/l	0,00028	0,0002	0,00043
Nickel	mg/l	0,0092	0,011	0,038
Zinc	mg/l	0,024	0,03	0,051
Lantmännen Analycen AB				
31.10.2006				
Caroline Karlsson				