P-05-150

Forsmark site investigation

Characterisation of running waters, including vegetation, substrate and technical encroachments

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June 2005

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Keywords: AP PF 400-04-56, Running waters, Streams, Morphometry, Water velocity, Shading, Bottom substrate, Vegetation, Technical encroachments.

Abstract

Large amounts of data from three catchments have been collected in this investigation, covering many different aspects of the river ecosystems. The investigated three streams enter the Baltic Sea from the Forsmark area. The main channels were divided in ten-metre sections and the collected data for each section include morphometry, water velocity, shading, bottom substrate, vegetation and technical encroachments. In addition, regularly flooded areas of the channels have been surveyed. These data are reported in tables as well as figures and text.

A total stream length of approximately seven kilometres has been investigated, situated within the catchments Forsmark 1 and 2, and downstream the catchment Forsmark 8. A major part of the investigated stream length belongs to the catchment Forsmark 2. Generally, the streams in this area are small.

The water velocities were low, and substantial parts (28% of total investigated length) were dry in August/September 2004. The bottom substrates were mostly fine materials. Major parts (82%) of the investigated stream length had been subject to excavation. A total of 10 possible barriers for migratory fish were encountered, and two sites suitable for electro-fishing were identified.

Regularly flooded/wetland areas connected to the stream channels were identified in the catchments Forsmark 2 and 8. Only some parts of these areas, in average about 60%, were included in the Swedish yellow map (Fastighetskartan) and in the SKB Vegetation/land cover map.

Sammanfattning

En mängd data från tre avrinningsområden har insamlats i denna undersökning, vilka täcker många olika aspekter av ekosystem i och kring vattendrag. De undersökta vattendragen mynnar ut i Östersjön från avrinningsområden belägna inom Forsmarks platsundersökningsområde. Huvudfåran i vattendragen har delats upp i tiometerssektioner. Insamlade data för varje sektion är bl a morfometri, vattenhastighet, skuggning, bottensubstrat, vegetation samt fysiska ingrepp. Därutöver har tidvis översvämmade våtmarker i anslutning till fåran karterats. Resultaten från denna insamling rapporteras i tabeller såväl som figurer, och beskrivs därutöver i stora drag i text.

Totalt undersöktes närmare 7 km vattendragssträcka inom avrinningsområdena Forsmark 1 och 2 samt nedströms Forsmark 8. Större delen av den inventerade sträckan utgörs av vattendrag i området Forsmark 2.

Detta är små vattendrag med låg vattenhastighet och fint bottenmaterial som till betydande del (28 %) var uttorkade i augusti/september 2004. I större delen (82 %) av de inventerade sträckorna har fåran grävts.

Tio potentiella vandringshinder för fisk påträffades, samt två platser som lämpar sig väl för elfiske.

Våtmarker i anslutning till vattendragen karterades i avrinningsområdena Forsmark 2 och 8. En jämförelse av dessa karterade arealer med våtmarker angivna i den digitala fastighetskartan, samt med SKB:s Vegetation/land cover map, visade att endast ca 60 % av de vattendragsnära våtmarkerna fanns med.

Contents

1 Introduction

SKB, The Swedish Nuclear Fuel and Waste Management Company, has started investigations of potential sites for a deep repository of spent nuclear fuel. These sites include two different areas: the Forsmark area in Östhammar and the Simpevarp area in Oskarshamn. The sites are investigated for data relevant to evaluate the construction and function of a planned deep repository. Scientists from several fields of investigation participate in this siting program. One part of the programme will describe potential effects on the biosphere, and as a tool for this a descriptive ecosystem model has been developed /Löfgren and Lindborg, 2003/. The data gathered about the ecosystems (e.g. data from this investigation) will also be used for the environmental impact assessment of the project.

Controlling documents for performing this activity are listed in Table 1-1. The activity plan AP PF 400-04-56 is an SKB internal controlling document. The method reference is in this specific case an SKB-report in the SKB publication series R.

The Forsmark area is situated between two large river catchments entering the Baltic Sea; River Tämnarån to the north (SMHI catchment no 54) and River Forsmarksån to the south (SMHI catchment no 55). Hence, according to the SMHI numbering system, the area subject to siting investigations is part of the catchment no 54/55.

This report describes three smaller streams entering the Baltic Sea from the Forsmark area. One of them is almost entirely wetland, with only short parts of the channel visible.

The geographical information system created for this investigation has been incorporated in SKB's GIS database.

Table 1-1. Controlling documents for performance of the activity.

Activity plan	**Number**
Undersökningar i Forsmarksområdet: Vattendragskartering	AP PF 400-04-56
Method reference	**Number**
River and river-related drainage area parameters for site investigation program	SKB R-01-20

2 Methods and performance

2.1 Nomenclature

The entire Forsmark site investigation area is situated between the catchment of River Tämnarån (SMHI catchment no 54) and the catchment of River Forsmarksån (SMHI catchment no 55). Consequently, SMHI numbers this area as no 54/55 (Figure 2-1). /Brunberg et al. 2004/ identified and described a total of eight catchments of varying size, entering the Baltic sea from the Forsmark area, numbered from north to south. In three of these eight catchments, the streams have been investigated and characterised.

The streams have been allotted the same number as their catchments /according to Brunberg et al. 2004/. The investigated parts of the streams were divided in ten-metre sections. The section closest to the sea in each catchment is assigned number one, the next section upstream number two, etc, continuing upstream. As an example, the stream situated in the catchment Forsmark 1, has 10 m-sections numbered 1_1, 1_2, 1_3 etc, to the final and most upstream section 1_222. Together with the investigation of the channel of the streams in these three catchments, their high-water level has been identified.

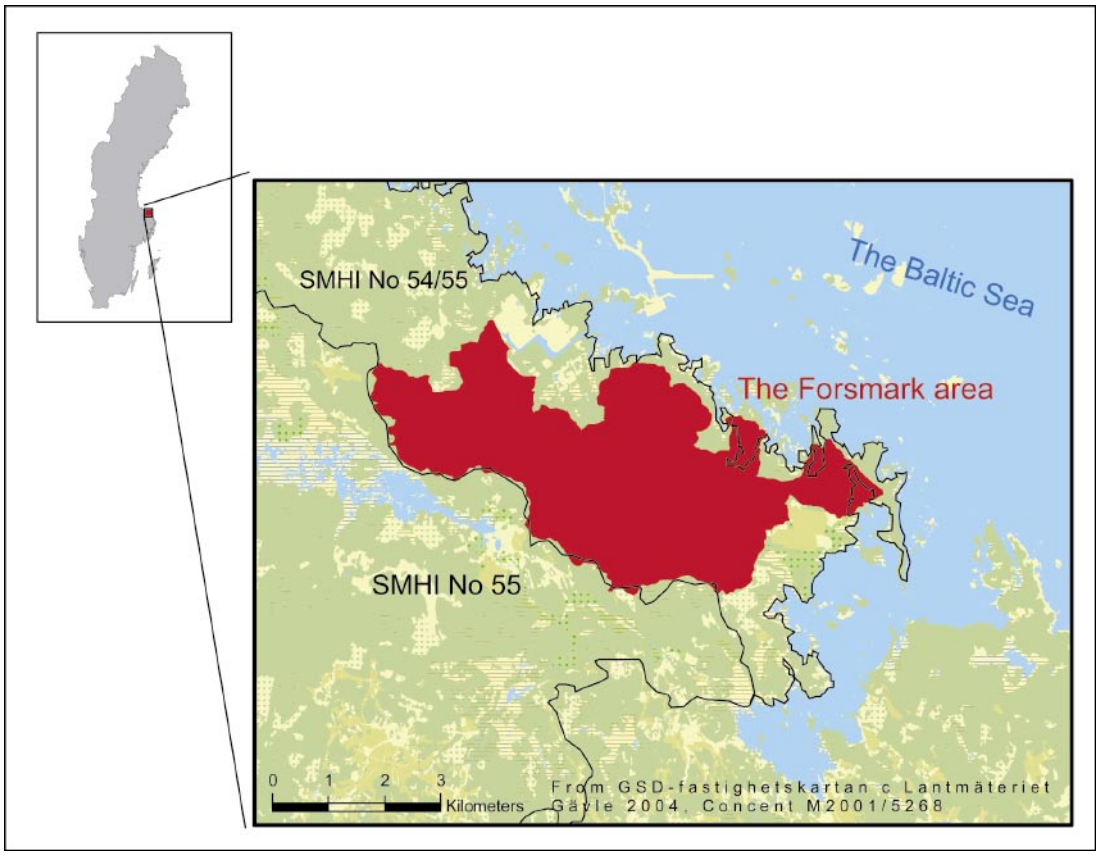

Figure 2-1. *The location of the Forsmark area, situated within the SMHI catchment no 54/55.*

2.2 Equipment

A DGPS equipment consisting of a GPS Garmin 12 XL connected to Garmin GBR 23 was used to save coordinates in the Swedish national grid (RT 90 2.5 G W) when walking along the streams. The coordinates were downloaded and saved at the computer back at the Limnology department. A digital camera (Minolta Dimage X31) was used when taking the photographs.

2.3 Data collection and field investigations

Data regarding the characteristics of the streams have been acquired from various sources and by field investigations during 2003 and 2004.

Following the methodology of /Blomqvist et al. 2001/, the high-water level was surveyed, and a number of stream parameters were measured while walking along the stream, each of them estimated for every ten-metre section. Along the stream, notes were taken regarding morphometry, water velocity, shading, bottom substrate, vegetation and technical encroachments. The classes and definitions of these parameters are described below. These definitions are to a large extent coordinated with the classification system recommended by /Naturvårdsverket, 2004/. The collected data are reported here, according to the following structure:

The object and its location

The name of the stream is given (se 2.1 above), as well as the number of the appropriate topographic map. A reference is made to the SMHI catchment, in which the stream is located. The x and y coordinates for the outlet are given for Forsmark 1. Outlet coordinates for Forsmark 2 and 8 have been taken from another investigation /Strömgren and Brydsten, in prep/. In addition, the area of the catchment and length of the investigated parts of the stream are specified. A brief description of the adjacent terrestrial area is also included.

Morphometry parameters and environment

The regularly flooded area around the streams was investigated during spring, when the water level was high. It was done by walking along the border of the flooded area with DGPS, and at the same time taking notes about the vegetation habitat. These results are compared to the vegetation/land cover map made for SKB by SwedPower, where the codes 61–64, 72 and 74–79 are considered as wetland /Boresjö Bronge and Wester, 2003/.

The average water depth and width were measured for every section and given in decimetres.

Dry sections were noted. Where water was present, the water velocity was assessed and divided into three different classes:

1. Calm, slowly flowing water (< 0.2 m/s).
2. Slightly streaming water (0.2–0.7 m/s).
3. Streaming and rushing water (> 0.7 m/s).

This classification was not made for sections where the water was running through pipes.

Shading from surrounding terrestrial vegetation, restricting light availability in the water, was classified as follows:

0. Unshaded section.
1. Brief shading (< 5% of the section).
2. Moderate shading (5–50% of the section).
3. Dense shading (> 50% of the section).

Bottom substrate

The bottom substrate was noted and classified into eight different categories:

Coarse organic detritus Leaves, bark and wood, not yet decomposed.

Fine organic detritus More or less decomposed organic material, also including inorganic material with particle size smaller than clay.

Clay	grain-size < 0.02 mm
Sand	grain-size 0.02–2 mm
Gravel	grain-size 2–20 mm
Cobble	grain-size 20–200 mm
Boulder	grain-size 200–4,000 mm
Bedrock	grain-size > 4,000 mm

For each category the coverage was specified:

1. < 5% of the area is covered
2. 5–50% of the area is covered
3. > 50% of the area is covered

Hence, more than one class of substrate might be present within the same river section. The dominating bottom substrate for each section was noted.

Vegetation

The investigation of vegetation along the streams was made at two occasions, in June and in August/September. The reason for this was that a high number of completely dry sections were expected during the main investigation period, selected as suitable for the other parameters. Hence, a complementary inventory was performed earlier in the summer. The data from June are more detailed regarding species composition, while the data from August/September are more focused on abundance and distribution of the vegetation.

All species encountered walking through the streams in June were noted. In August/September, up to five of the dominating plant species were noted for each ten-metre section (Appendix 2). Swedish, English and Latin names, all according to /Naturhistoriska riksmuseet, 2004/, are listed in Appendix 3, and the most dominating species are given in the text for each stream.

Most plants were determined to species level. However, in some cases this was prevented by lack of species-specific characteristics (e.g. sterile underwater plants of Callitriche sp. or Carex sp. and Typha sp. without spike collections) or by difficulties to distinguish between species due to hybridization (e.g. Sparganium sp. and Salix sp.). Periphytic algae were made a note of when abundant in large quantities, and identified to genus level in some sections.

The total abundance of vegetation growing in each section was booked, according to the following five classes:

1. Vegetation lacking.
2. Single plants (covering < 5% of the area).
3. Moderate growth (covering 5–50% of the area).
4. Substantial growth (covering 50–75% of the area).
5. Intense growth (covering 75–100% of the area).

In addition to the total abundance, the distribution of the plants was noted down for each taxa, according to the following five classes:

1. Solitary growth.
2. In small groups with a few individuals in each.
3. In small dense groups, pillows or in big tufts.
4. In widespread mats or nets.
5. With high density or in widespread mats, covering almost the entire surface.

All data on vegetation in the streams, including total abundance from June and August/ September are listed in Appendix 2.

Technical encroachments

All kinds of man-made technical encroachments in the stream were described, and photos were taken. The locations of pipes were noted, with the diameter, length and height for water to fall down to the substrate specified. For dams the water depth and construction was described, and for filled channels the type of material was noted.

The extent of excavation of the channel (mostly for drainage purposes) was entered according to the following classification:

0. Natural, no excavation.
1. Moderate excavation.
2. Substantial excavation.

Descriptions of barriers for migratory fish (length, width and height) were noted. The functioning of these barriers of course differs with different water level, and some of them are no barriers in situations with a higher water level. Our notes were made corresponding to the water level present during the field investigation period. Considering that the investigation was performed at low water conditions, all potential barriers should be included. Bridges (width, height and type of bridge) were also noted, as well as grazed areas along the river (the affected length), and presence of pipes draining into the stream.

Additional remarks

Oxbow lakes next to the channel, stream necks or riffles (forsnacke) as well as still pools (höljor) were surveyed where water was present. The sites where boulders and other natural objects may constitute barriers for migratory fish were noted and described. The locations of these are not presented on maps but can be found in Appendix 4.

River sections suitable for electro-fishing were noted. Electro-fishing is functioning especially well in smaller streams, where it is easy to walk in the water. Suitable conditions include water velocity less than 1.5 m/s, a bottom substrate consisting of coarse material such as gravel and cobbles, and localities where the possibility for fish to escape is minimized /Naturvårdsverket, 2004/). In addition, it is considered advantageous if the location is situated upstream roads for cars, and thus not affected by salt or pollution from the road, and if it is easy to reach by walking, i.e. no deep ravines or wet marshes.

2.4 Nonconformities

The activity was performed according to the plans (no nonconformities).

3 Results

In total, nearly seven kilometres of the streams have been investigated (Figure 3-1). In two of the three catchments, the entire main channel has been investigated, and the outlet coordinates for their tributaries have been noted. The tributaries have not been investigated, except for the one in catchment no 1 which drains a wetland area, and the one in catchment no 2 that drains Lake Gällsboträsket. The main channels of these tributaries were investigated. Along the outlet from Lake Fiskarfjärden, only two shorter parts of the channel were investigated, since the rest of the outlet is spread over a wetland area. This wetland area is situated downstream, and thus outside, the border of catchment 8.

The wetland areas around the streams, i.e. the yearly flooded area, has been identified and surveyed in catchments Forsmark 2 and 8.

The results from this investigation have been incorporated in SKB's GIS database.

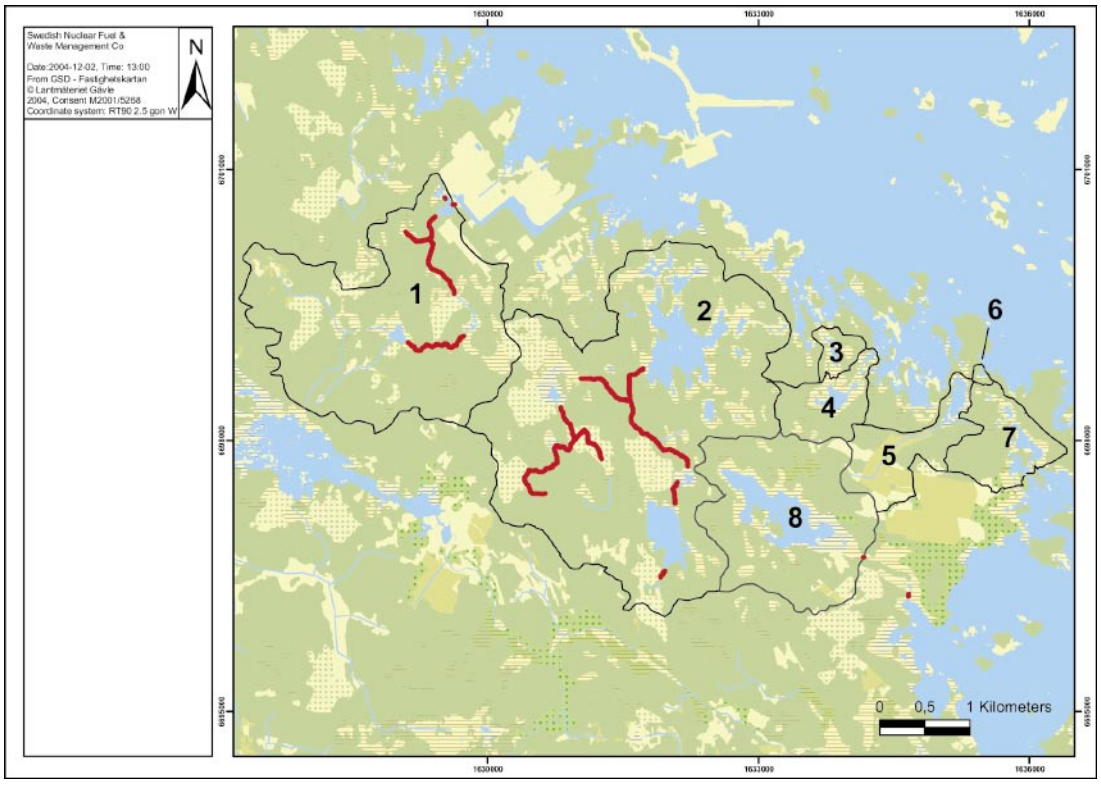

Figure 3-1. *The Forsmark area, with the investigated streams in catchments 1, 2 and 8 (the outlet downstream the identified catchment), marked with red lines.*

3.1 The stream in catchment Forsmark 1

The object and its location

The stream is part of the SMHI catchment no 54/55, and reaches the Baltic Sea in Asphällsfjärden close to the Forsmark nuclear power plant. Along the investigated part of the stream, four tributaries enter, of which one is too small to be included in the Swedish yellow map (fastighetskartan, Figure 3-2). Two of the tributaries and the main stream part upstream Lake Gunnarsboträsket have not been investigated.

Topographical map: 12 I NO and 13 I SO

Outlet coordinates: 1629641, 6700613

Catchment area: 5.123 km^2

Length of investigated stream: 2.22 km

Four lakes are situated along the stream: Lake Gunnarsboträsket, Lake Labboträsket, Lake Gunnarsbo-Lillfjärden (North) and Lake Gunnarsbo-Lillfjärden (South). The most upstream part of the investigated stream, the outlet from Lake Gunnarsboträsket, partly meanders through some wetland and forest before entering into Lake Labboträsket. Downstream this lake, the channel drains an area of cut forest beneath the power lines from the Forsmark nuclear power plant. Just before entering Lake Gunnarsbo-Lillfjärden (South), the stream meanders weakly through some forest. The outlet of Lake Gunnarsbo-Lillfjärden (North) drains through a pipe under a road into the southern part of the lake, and then further down to the sea through two parallel pipes in the south-east part of Lake Gunnarsbo-Lillfjärden (South).

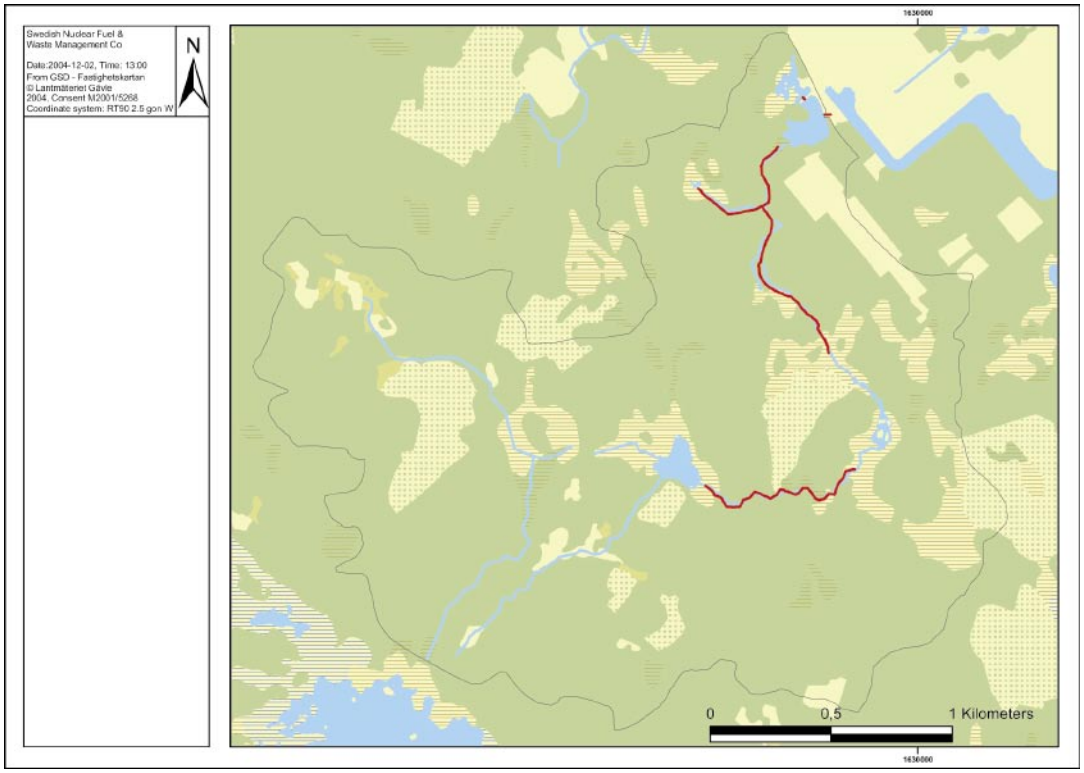

Figure 3-2. *The investigated parts of the stream in catchment Forsmark 1, marked with red lines.*

Morphology and environment

The high-water level around the streams has not yet been investigated in catchment Forsmark 1, but according to the Swedish yellow map (Figure 3-3), substantial areas of wetland are connected to the channel.

Nearly half (45%) of the entire stream length was dry, of which a large part was located between Lake Gunnarsboträsket and Lake Labboträsket (Figure 3-4). Where water was present, it was calm and slowly flowing (< 0.2 m/s).

The shading of the channel in catchment Forsmark 1 varied according to the variations in land use in its close environment (Figure 3-5). Upstream Lake Labboträsket, where the water was flowing through forest, all sections were more or less shaded. Downstream this lake, where the stream instead drained through cut forested areas, no shading was the dominating classification. The last part of the stream, before entering Lake Gunnarsbo-Lillfjärden, was dominated by dense shading from the surrounding coniferous forest.

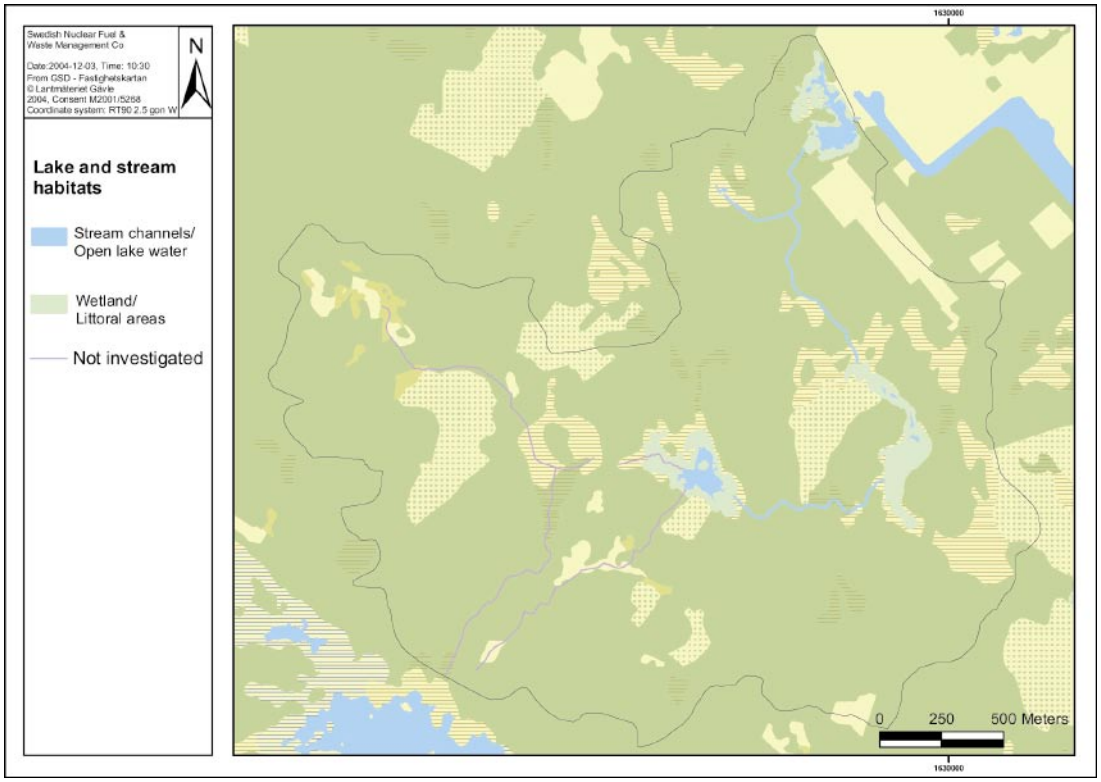

Figure 3-3. *The investigated stream channels and their flooded areas in catchment Forsmark 1.*

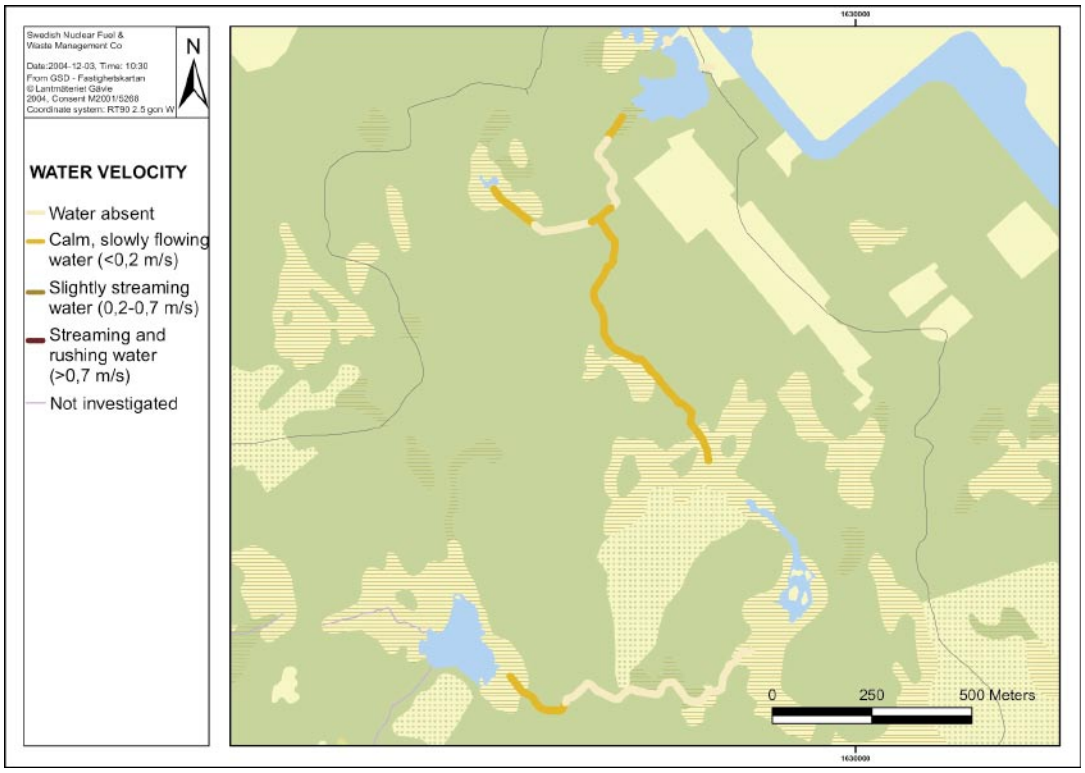

Figure 3-4. *Water velocity in the stream of catchment Forsmark 1.*

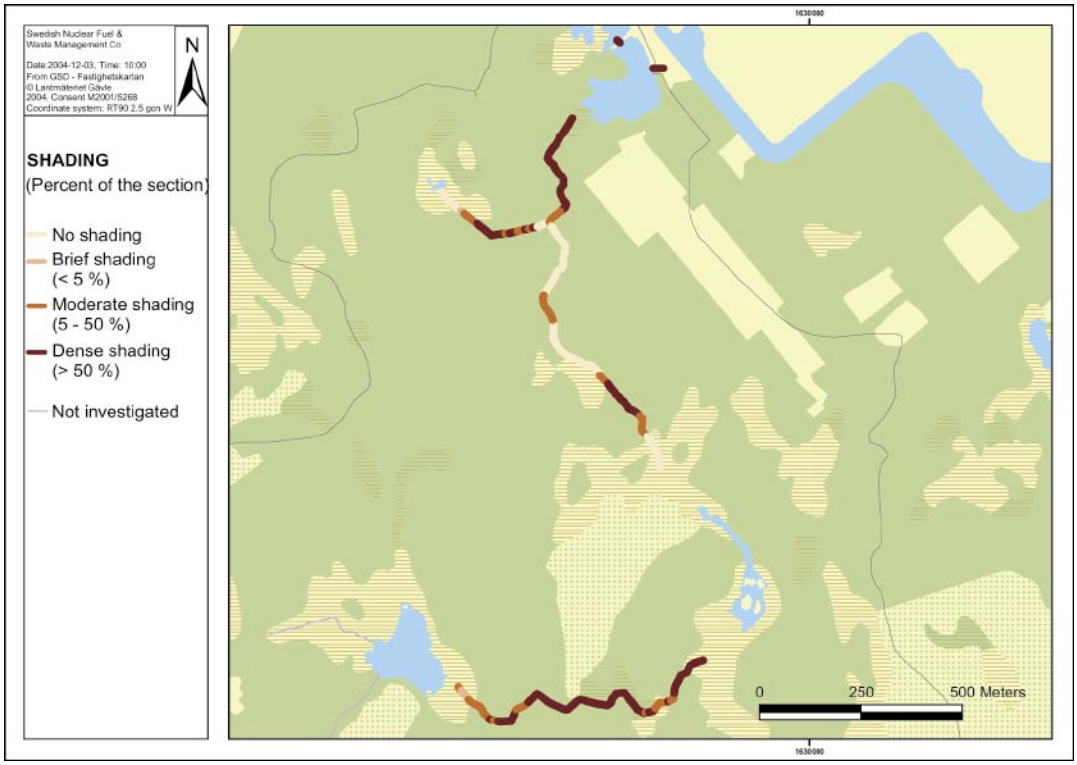

Figure 3-5. *Shading of the stream in catchment Forsmark 1.*

Bottom substrate

The bottom substrates with the smaller grain-sizes, fine organic detritus and clay, were dominating most parts of the stream (Figure 3-6). However, upstream Lake Gunnarsbo-Lillträsket (South) a large number of sections were dominated by gravel.

Vegetation

Where water was running through pipes and along dry sections no investigations were performed regarding vegetation (Figure 3-7). This comprised only 0.5% of the stream length in June, but in the late summer as much as 45%. In June, vegetation was growing in almost all sections that later in the summer were dry. In general, the vegetation was more dense in the upstream than in the downstream parts in August/September (Figure 3-8).

Dominating species along the stream were e.g. Common Reed (Phragmites australis, vass), Spiked Water-milfoil (Myriophyllum spicatum, Axslinga) and Water Horsetail (Equisetum fluviatile, Sjöfräken). During the investigation in June, also Common water moss (Fontinalis antipyretica, Stor näckmossa) was found in a large number of the sections.

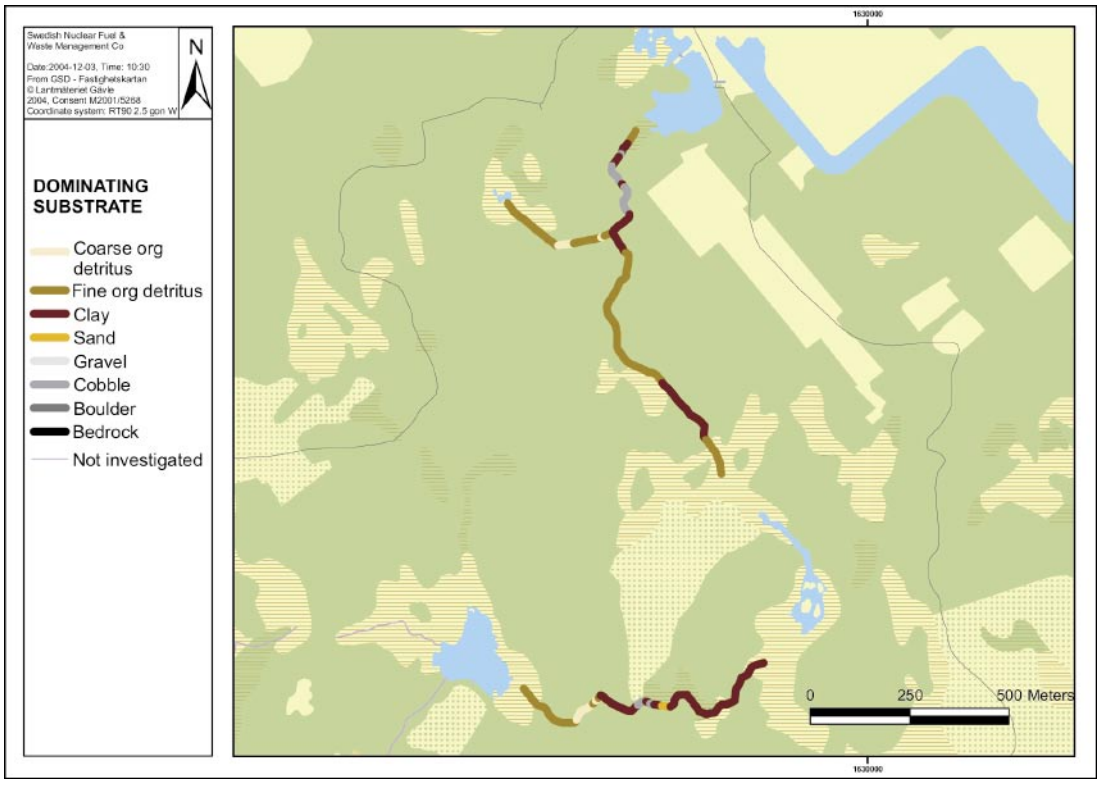

Figure 3-6. *Dominating bottom substrate of the stream in catchment Forsmark 1.*

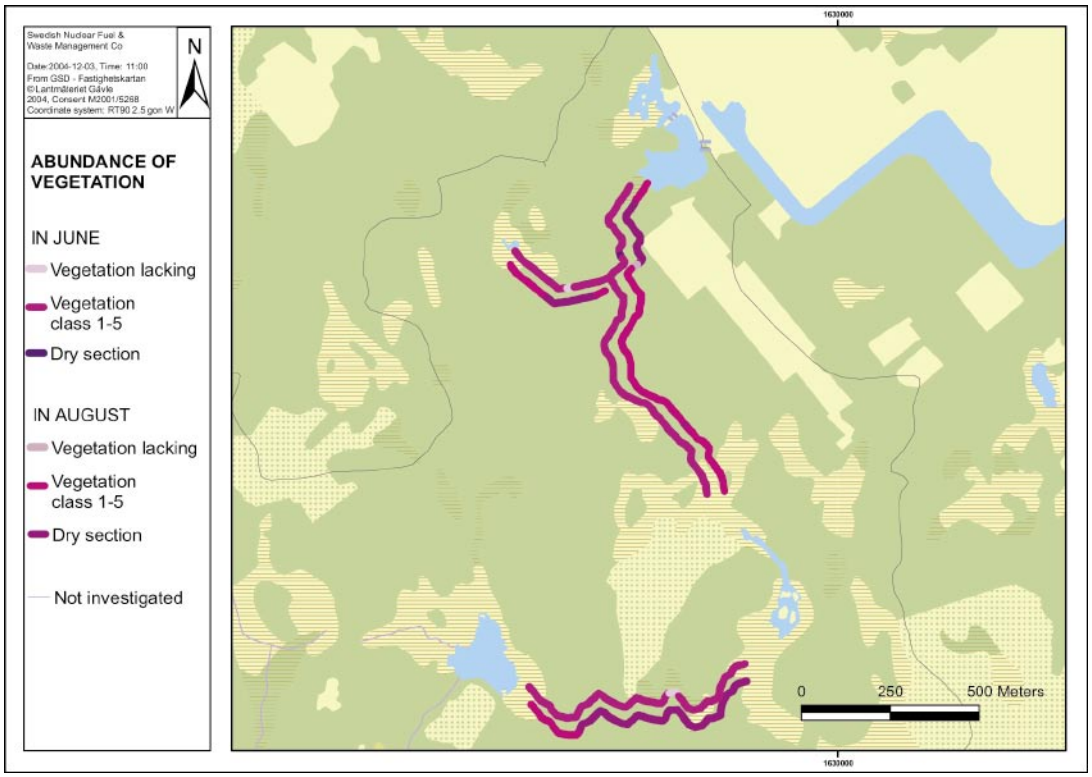

Figure 3-7. *Vegetation abundance in June and August/September, respectively, in the channel of catchment Forsmark 1.*

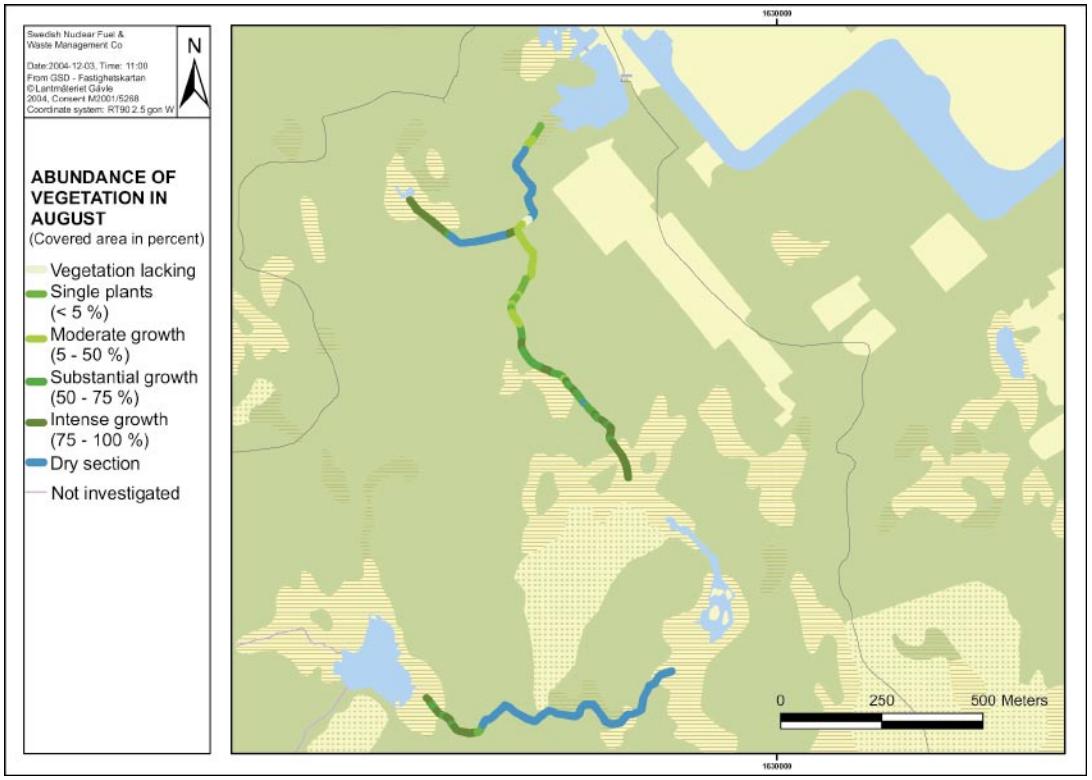

Figure 3-8. *Vegetation abundance in the stream of catchment Forsmark 1 in late summer.*

Technical encroachments

The dominating part of the stream was substantially excavated (Figure 3-9). However, there were some stretches with only moderate excavation, and upstream of Lake Labboträsket a long natural part without any excavations was found. In the natural sections, the stream meandered weakly through some forested areas, partially forming a delta. Six pipes under smaller roads were situated along the stream.

Additional remarks

Four sites that could function as a barrier for migratory fish were found. Three of these were pipes under smaller roads, of which one was the outlet to the Baltic Sea. The fourth barrier was a pile of tree branches lying in the channel.

Considering that this is a small stream with low water velocity, electro-fishing could be performed anywhere. However, only a few parts have the required coarse bottom materials such as gravel and cobbles, and several parts are far from any road and difficult to reach by walking. The most suitable part for electro-fishing was an approx 50 m long section upstream Lake Gunnarsbo-Lillfjärden (South) (Appendix 4).

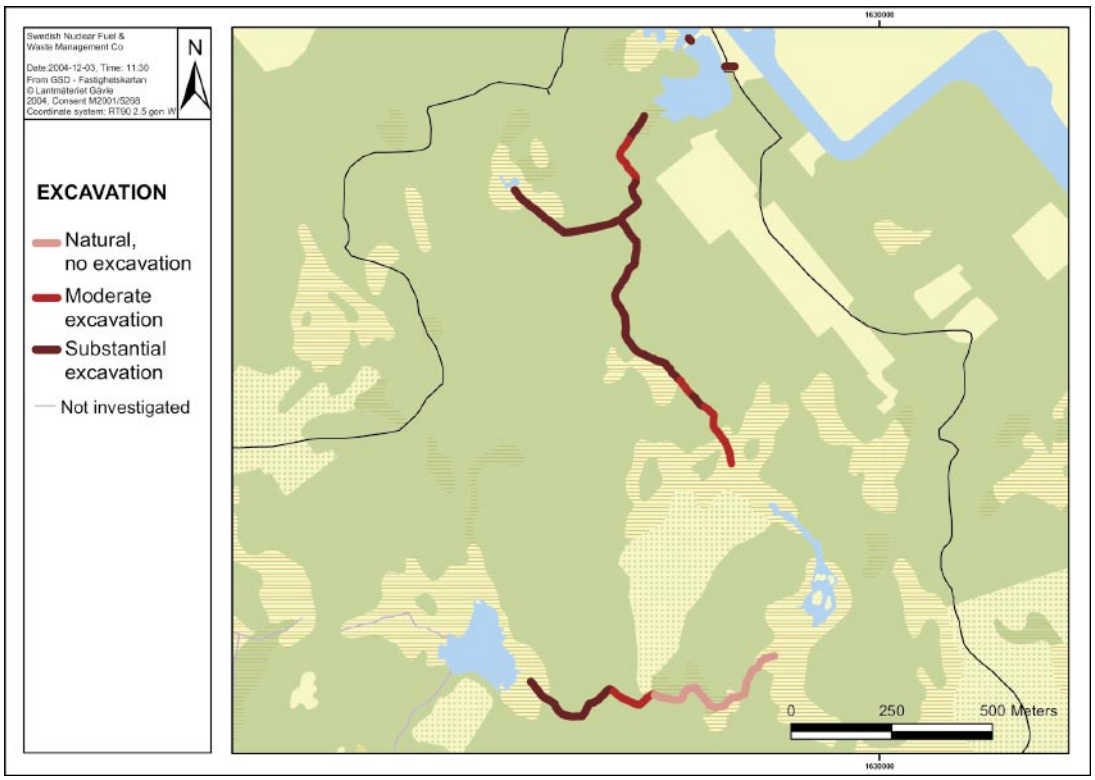

Figure 3-9. *The extent of excavations in the stream in catchment Forsmark 1.*

3.2 The stream in catchment Forsmark 2

The object and its location

The stream is part of the SMHI catchment no 54/55, and discharges into the Baltic Sea in Asphällsfjärden. The investigated part of the main stream has four tributaries, of which two are too small to be included in the Swedish yellow map (fastighetskartan, Figure 3-10). The most upstream part of one of the tributaries and the channel through the wetland Djupträsket have not been investigated.

Topographical map: 12 I NO

Outlet coordinates: western outlet: 1631759, 6700150, eastern outlet: 1632000, 6700214

Catchment area: 8.668 km^2

Length of investigated stream: 4.92 km (including one tributary)

There are eleven lakes in this catchment. Four of them are directly connected to the investigated part of the stream; Lake Eckarfjärden, Lake Stocksjön, Lake Gällsboträsket and Lake Bolundsfjärden. The most upstream sections of the main stream drain a cut forested area before it discharges into Lake Eckarfjärden. The outlet of this lake crosses some forested areas, partly through a ravine, before it reaches Lake Stocksjön. Downstream this lake the stream runs through forests, some wetland areas and also through several pipes under smaller roads, before it arrives at Lake Bolundsfjärden north of the investigated part of the stream. Along the outlet of Lake Gällsboträsket, in the investigated tributary, several poles were situated along the channel within a length of 130 m. These poles could be remnants from a construction for catching fish. The inlet of this lake is separated into two parts, of which one drains through the wetland area Djupträsket.

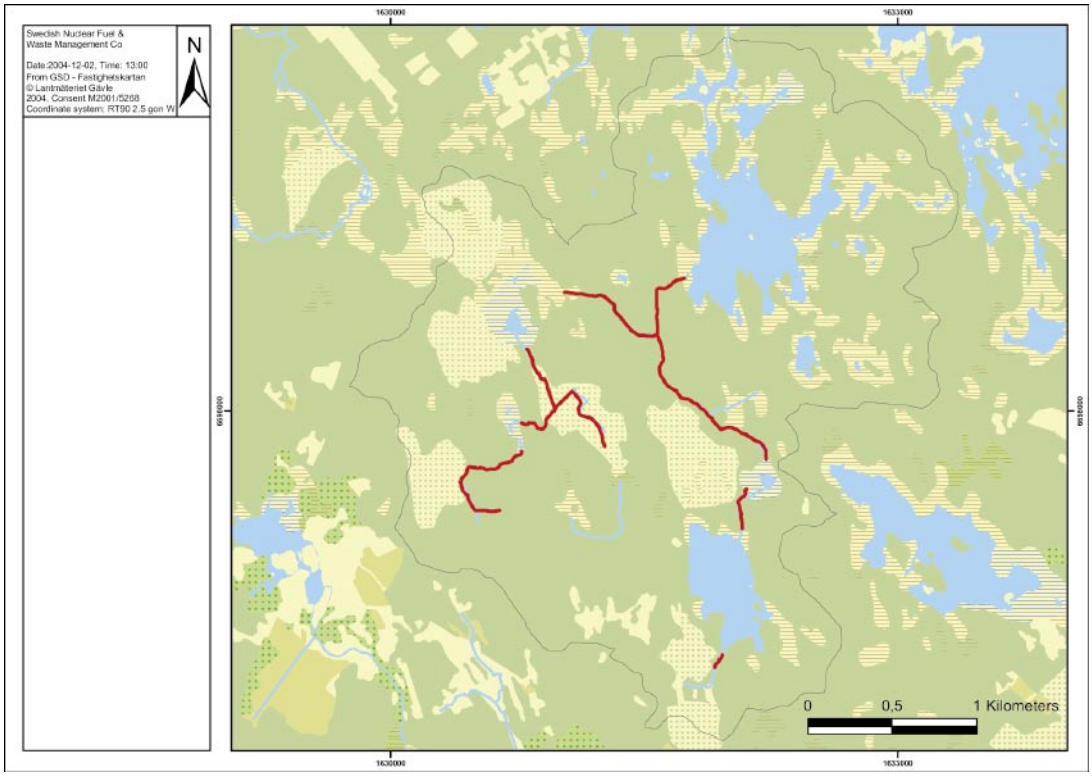

Figure 3-10. *The investigated part of the stream in catchment Forsmark 2 marked with red lines.*

Morphology and environment

The area of the flooded parts around the stream in catchment Forsmark 2 was totally 0.134 km^2 (Figure 3-11). The vegetation in these areas was mostly dominated of Common reed (Phragmites australis, Vass), but also Alder (Alnus glutinosa, Al) and Bulrush (Typha latifolia, Bredkaveldun).

Our results were compared with the Swedish yellow map (Fastighetskartan 2004, Figure 3-12), and the Vegetation/Land cover map made for SKB /Boresjö Bronge and Wester, 2003/. These two maps have similar boundaries regarding areas classified as different kinds of wetlands. However, they differ substantially from this investigation, as they cover only 38% (Fastighetskartan) and 46% (Vegetation/Land cover map), respectively, of the area that we defined as wetland/yearly flooded areas.

The water velocity in late summer was calm and slowly flowing (< 0.2 m/s) in 75% of the stream (Figure 3-13). Most of the dry sections were located in the tributary, upstream Lake Gällsboträsket, and the only three sections with slightly streaming water (0.2–0.7 m/s) were found just before this tributary entered the main channel of the catchment.

Due to forest in the close surroundings, dense shading was the most common class of shading along the main channel and in the investigated tributary downstream Lake Gällsboträsket (Figure 3-14). Upstream this lake, shading was heterogeneously distributed, also including some cut forested areas with no or brief shading (< 5%).

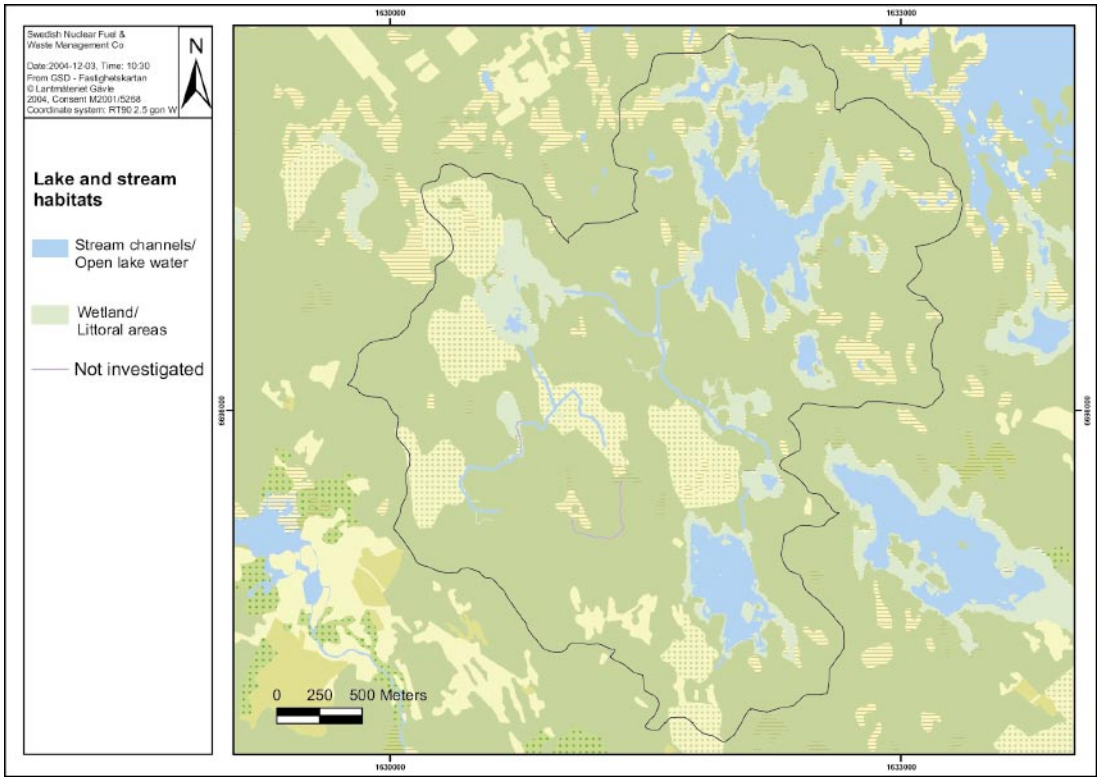

Figure 3-11. *The investigated stream channels and their flooded areas in catchment Forsmark 2.*

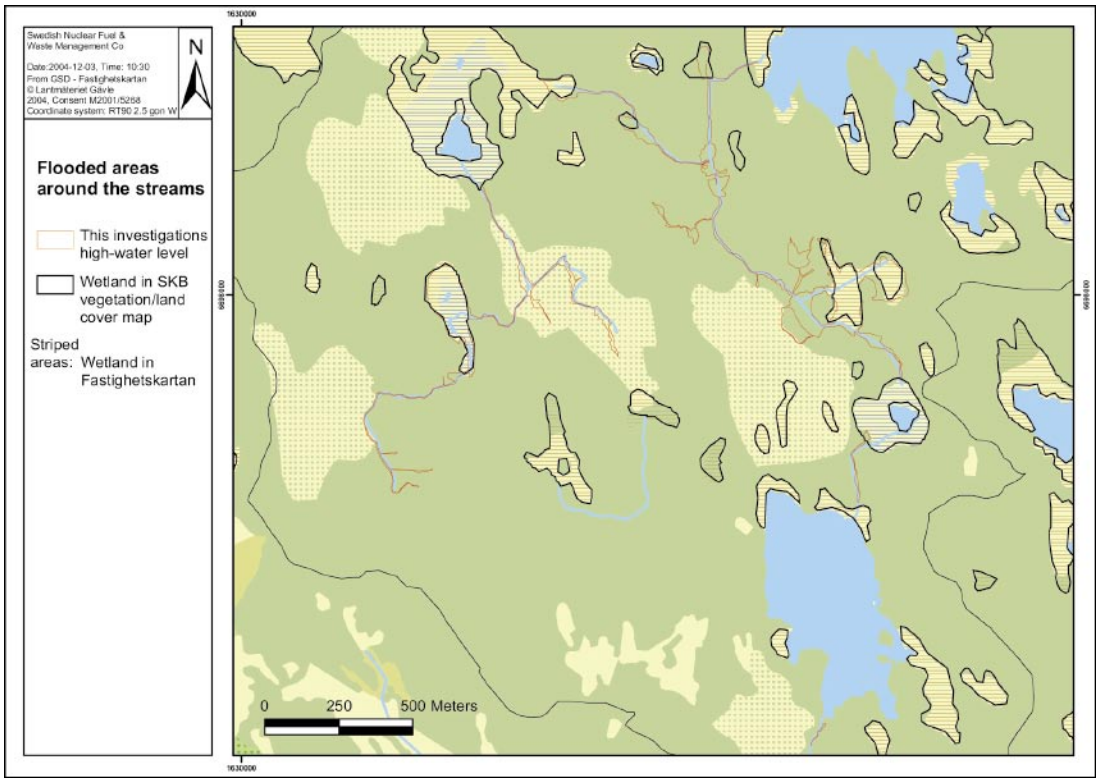

Figure 3-12. *The investigated flooded areas of the stream in catchment Forsmark 2, compared with wetland areas of the SKB vegetation/land cover map and the Swedish yellow map (Fastighetskartan).*

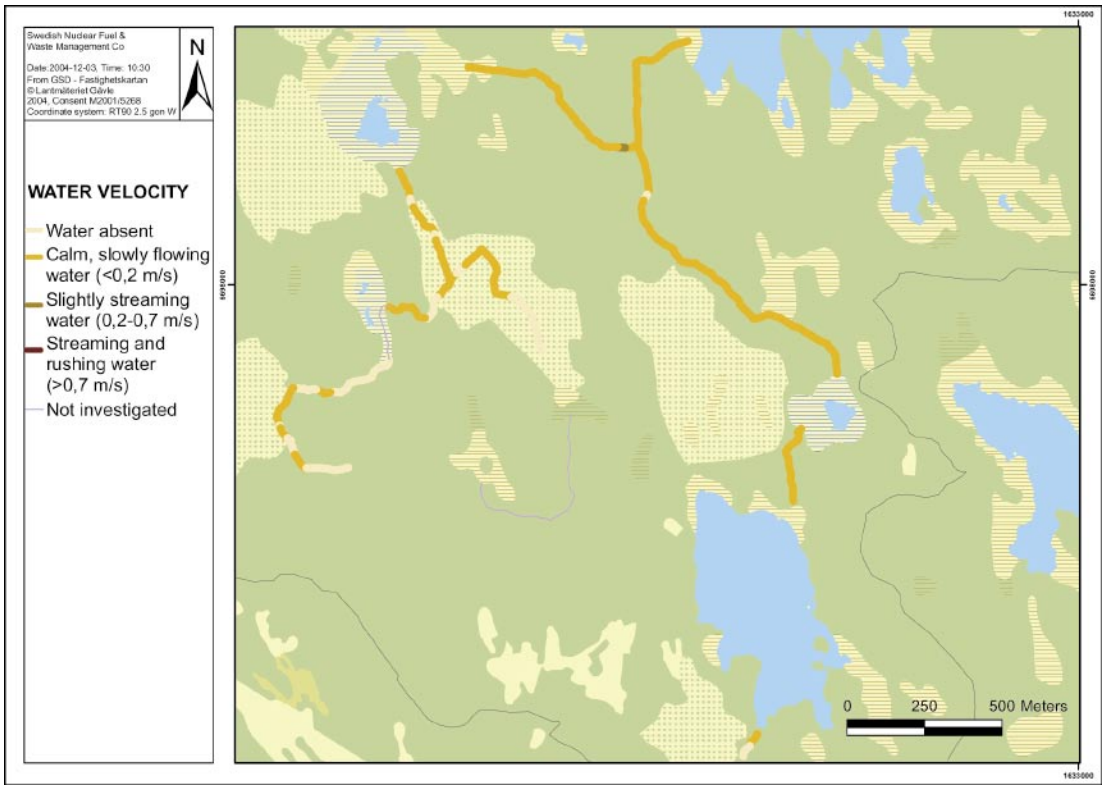

Figure 3-13. *Water velocity in the stream of catchment Forsmark 2.*

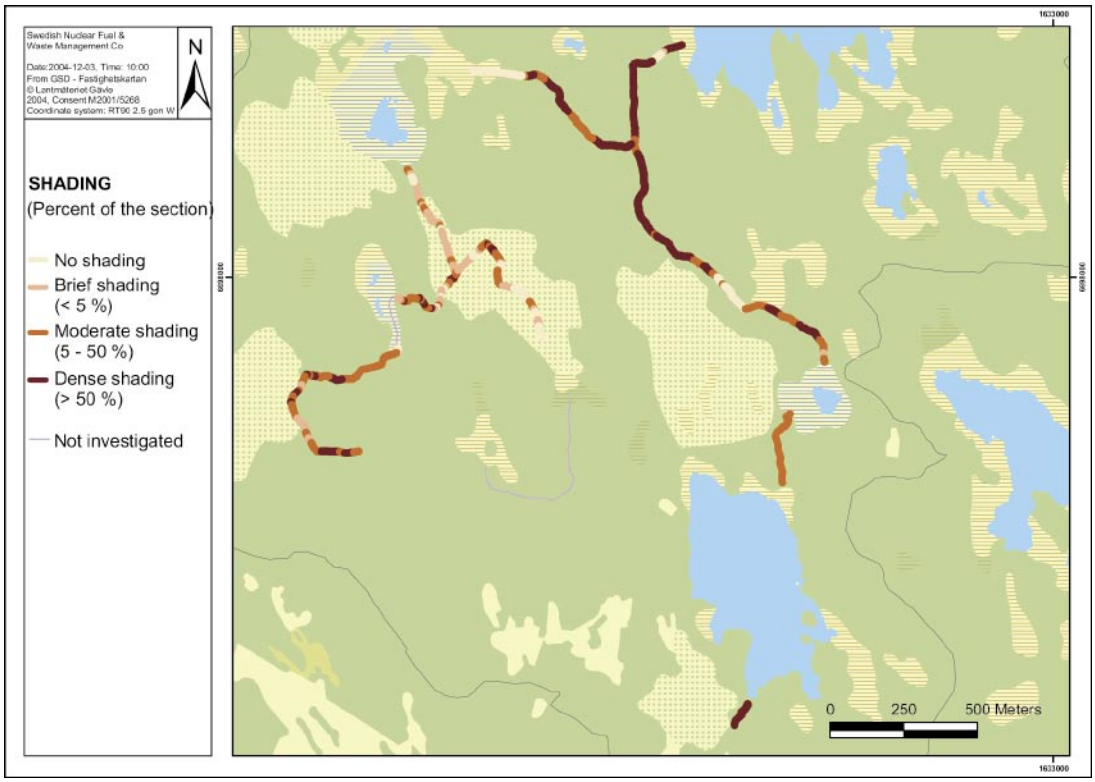

Figure 3-14. *Shading of the stream in catchment Forsmark 2.*

Bottom substrate

Bottom substrates of the smallest grain-sizes, fine organic detritus and clay, almost totally dominated throughout the stream of catchment Forsmark 2 (Figure 3-15). Clay was dominating in most of the sections of the main channel and in the tributary downstream Lake Gällsboträsket. Upstream that lake, instead fine organic detritus appeared as the most common substrate. No bedrock was found through the entire investigated stream length.

Vegetation

Several sections with water in June were dry in August/September, and were thus not investigated (Figure 3-16). A large part of the channel close to the inlet to Lake Bolundsfjärden was devoid of vegetation at both investigations.

The abundance of the vegetation was varying along the stream in August, although the parts upstream Lake Gällsboträsket were dominated by intense growth (75–100% covered, Figure 3-17). Frequently dominating species in the sections were Common Reed (Phragmites australis, vass), Water moss (Fontinalis sp., Näckmossa), Unbranched Bur-reed (Sparganium sp., Igelknopp), Tufted Loosestrife (Lysimachia thyrsiflora, Topplösa) and Corn Mint (Mentha arvensis, Åkermynta).

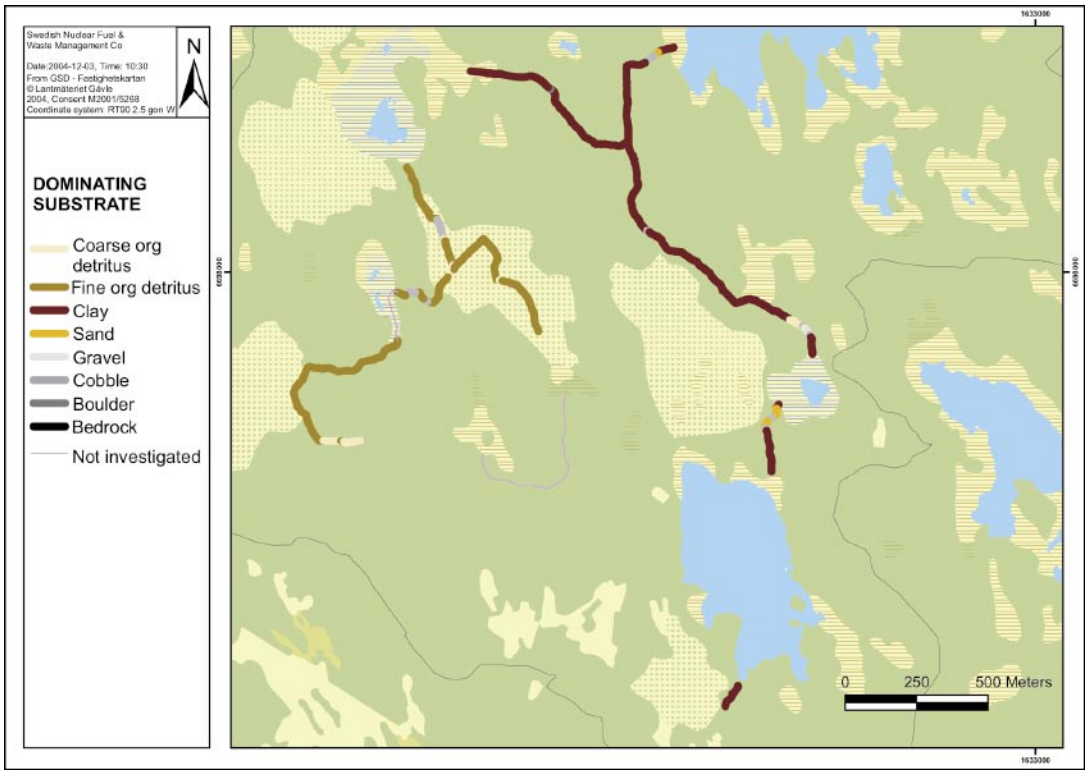

Figure 3-15. *Dominating bottom substrate of the stream in catchment Forsmark 2.*

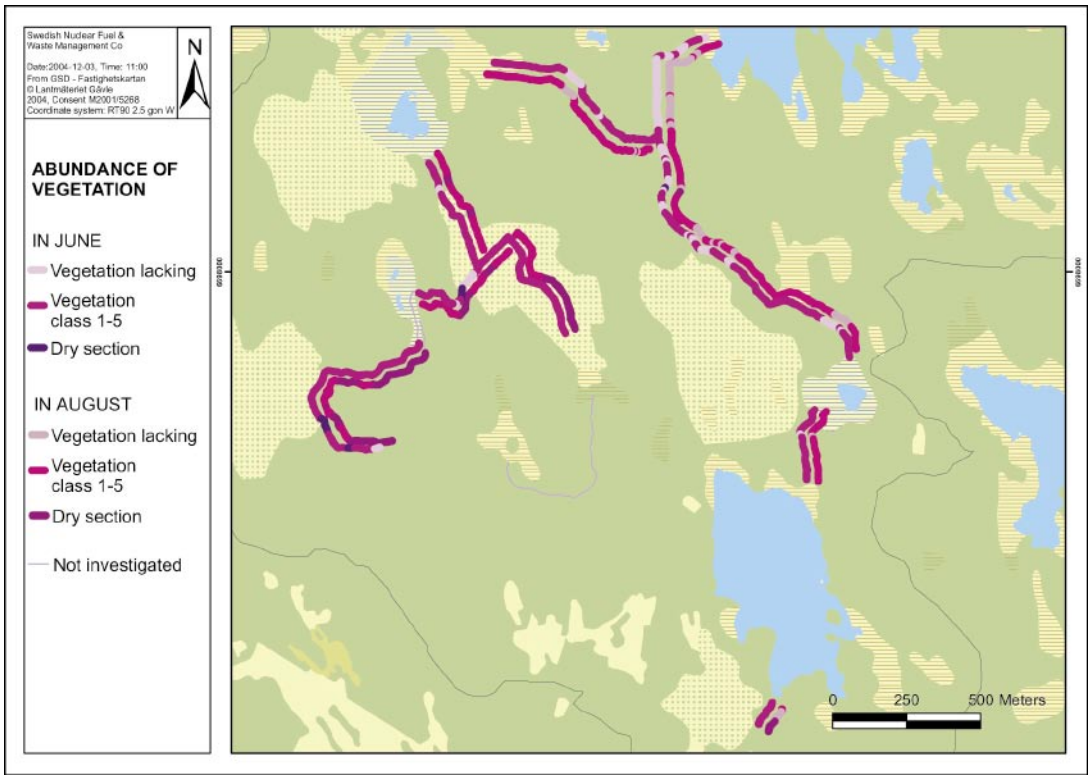

Figure 3-16. *Vegetation abundance and dry sections in June and August, respectively, in the channel of catchment Forsmark 1.*

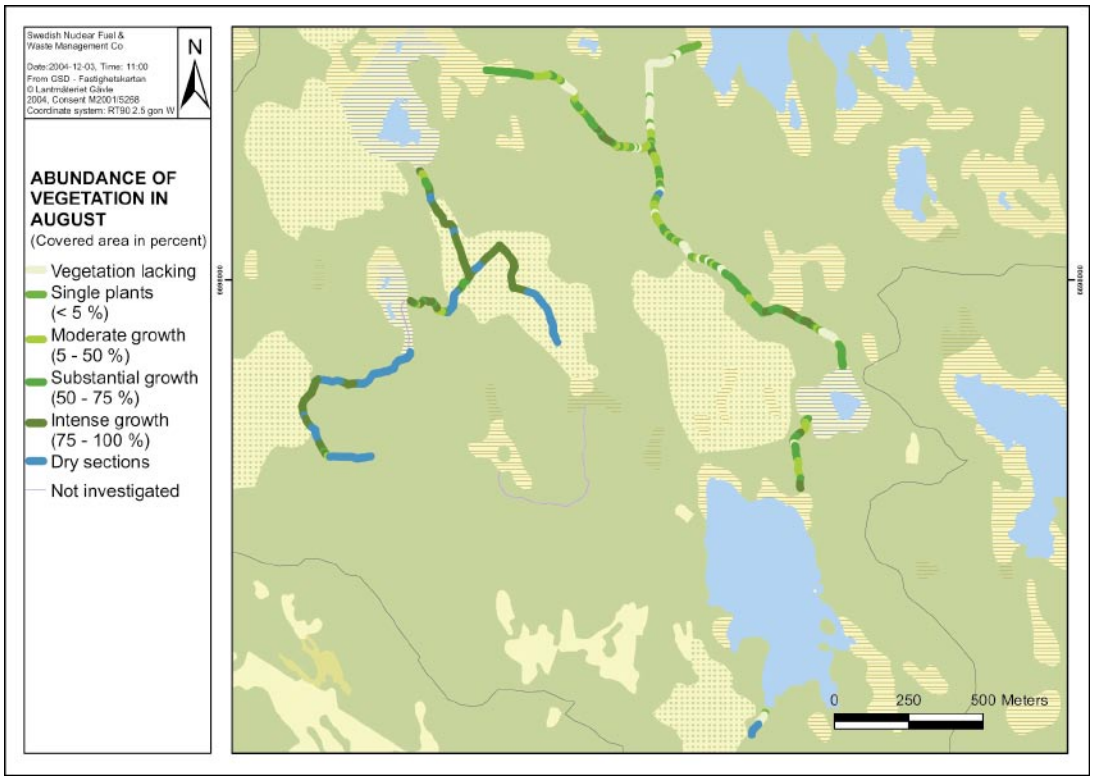

Figure 3-17. *Vegetation abundance of the stream in catchment Forsmark 2.*

Technical encroachments

The dominating part of the stream in catchment Forsmark 2 was substantially excavated (Figure 3-18). However, part of the inlet to Lake Eckarfjärden, and two stretches along the outlet of Lake Gällsboträsket were moderately excavated. The part of the channel that drains through "Djupträsket" was not investigated and thus needs further evaluation. Five pipes under smaller roads were situated along the stream.

Additional remarks

Six sites that could function as a barrier for migratory fish were found along the main stream. Five of these potential barriers were pipes under smaller roads and one was a hydrological station close to the inlet to Lake Bolundsfjärden.

Considering that this is a small stream with low water velocity, electro-fishing could be performed anywhere. However, only a few parts have the required coarse bottom materials such as gravel and cobbles, and several parts are far from any road and difficult to reach by walking. The most suitable part for electro-fishing was an approx. 30 m long section, upstream Lake Bolundsfjärden (Appendix 4).

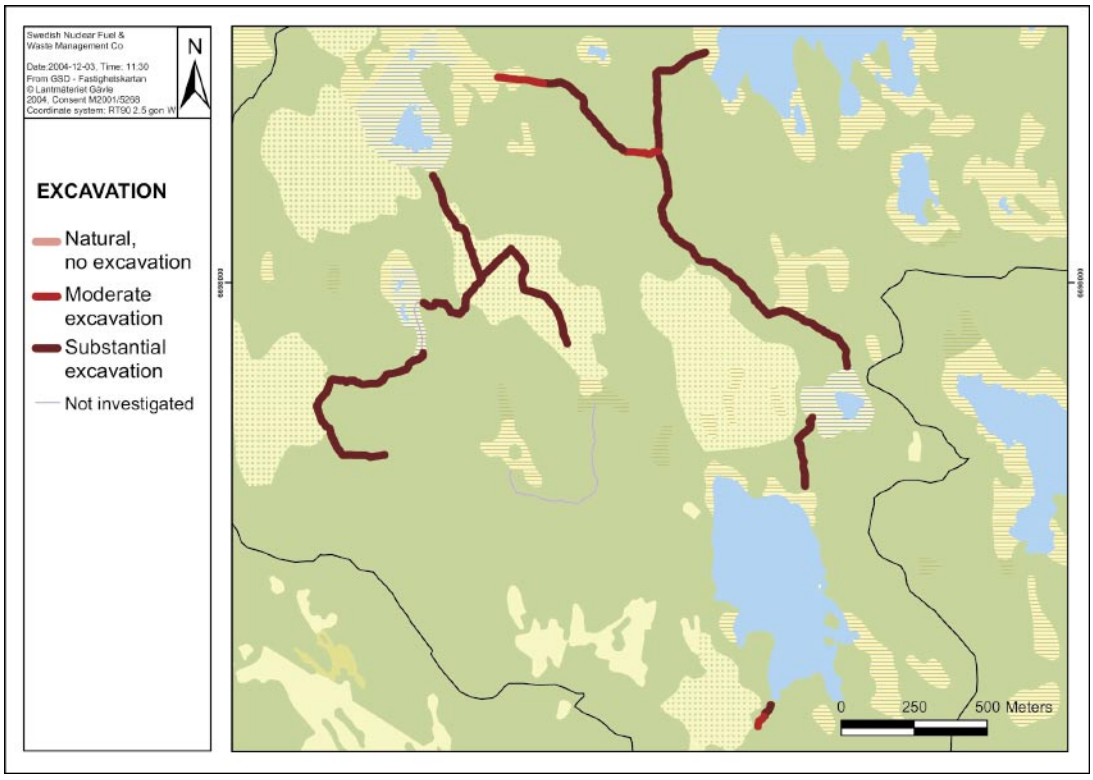

Figure 3-18. *The extent of excavations of the stream in catchment Forsmark 2.*

3.3 The stream in catchment Forsmark 8

The object and its location

The stream is part of the SMHI catchment no 54/55, and flows into the Baltic Sea in Kallrigafjärden. The investigated part of the main stream has no tributaries (Figure 3-19).

Topographical map: 12 I NO

Outlet coordinates: 1634645, 6696255

Catchment area: 2.925 km^2

Length of investigated stream: 0.03 km (not including the wetland area with no visible channel)

The stream is situated downstream catchment Forsmark 8, since this catchment is defined for the outlet of Lake Fiskarfjärden. The stream flows through a channel just downstream the lake and in a short distance close to the sea, south east of the catchment. Between these two shorter parts the water drains through a wetland area.

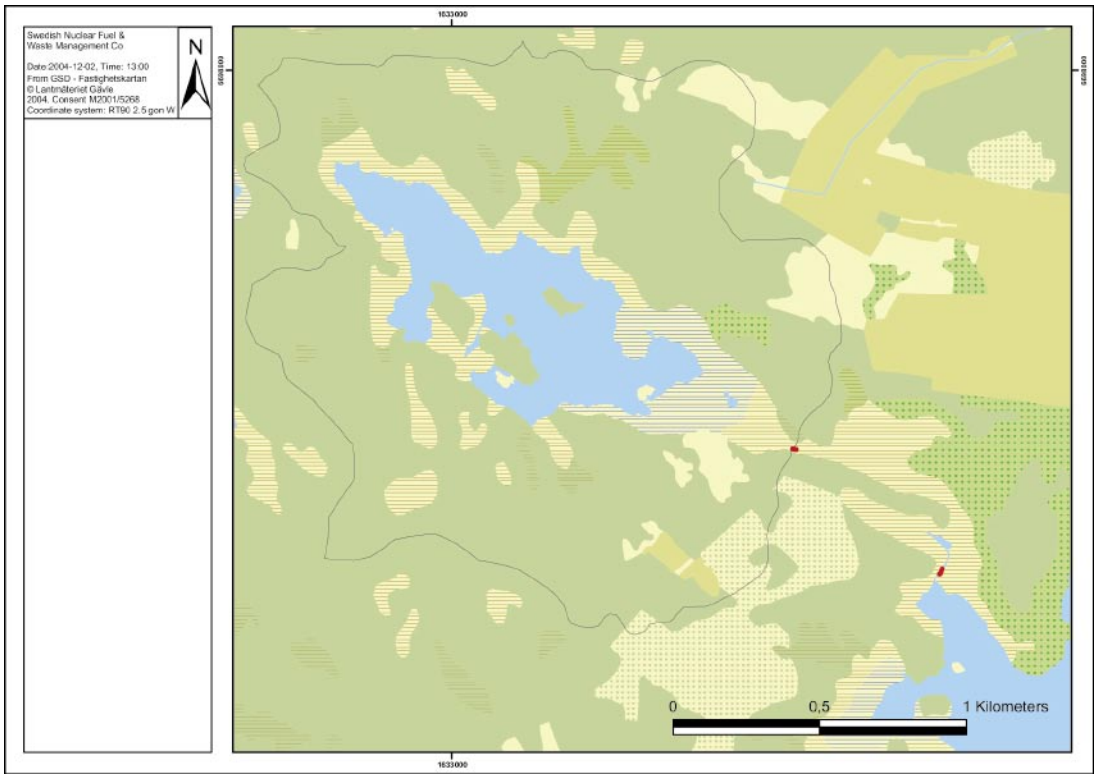

Figure 3-19. *The investigated parts of the stream downstream catchment Forsmark 8 marked with red lines.*

Morphology and environment

The size of the investigated flooded area downstream Lake Fiskarfjärden in catchment Forsmark 8 was 0.180 km^2 (Figure 3-20). In the major parts of this area Common Reed (Phragmites australis, Vass) was growing, in most cases with a border of Alder (Alnus sp., Al).

Of this investigated flooded area, 82% constitute wetland in the Swedish yellow map (Fastighetskartan 2004, Figure 3-21), and 77% in the vegetation/land cover map made for SKB /Boresjö Bronge and Wester, 2003/. The two maps that were compared with these investigation results had both similar boundaries regarding wetland.

The three sections that formed a channel in the outlet of Lake Fiskarfjärden was characterized by calm, slowly flowing water during the investigation in August/September (< 0.2 m/s, Figure 3-22).

The section closest to Lake Fiskarfjärden was moderately shaded (5-50%) of the surrounding terrestrial vegetation (Figure 3-23). Downstream, close to the sea, the channel was not shaded at all, since the surrounding wetland was lacking trees and bushes.

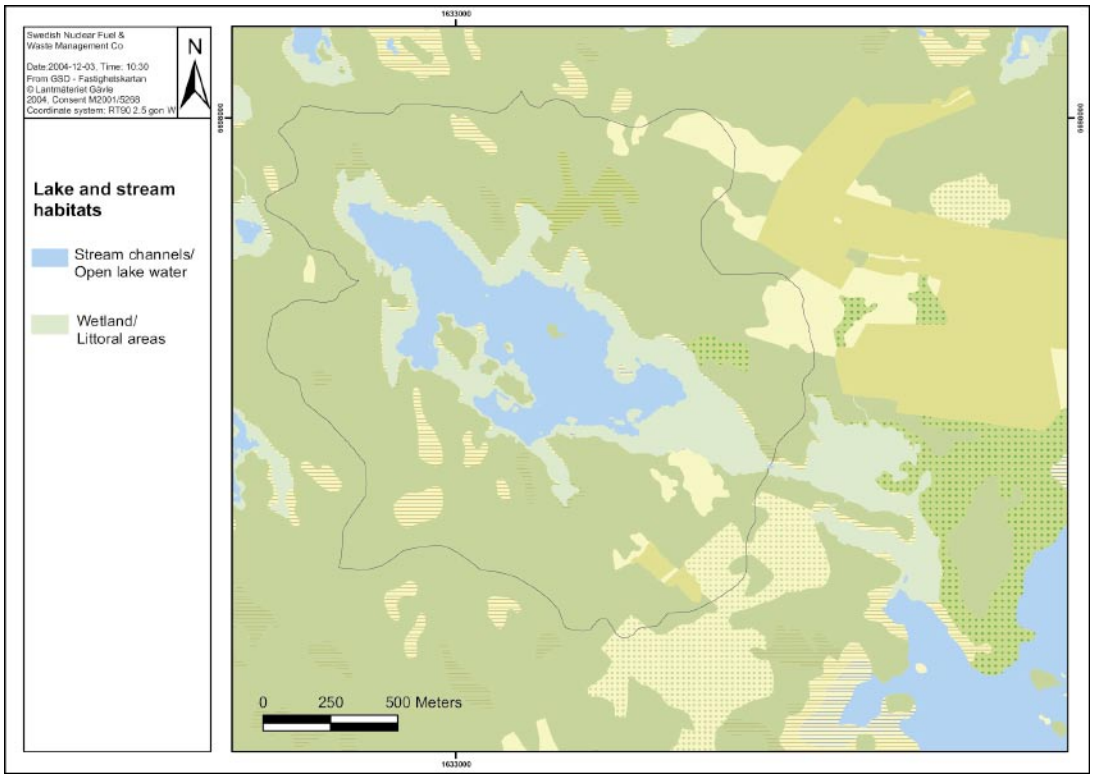

Figure 3-20. *The investigated stream channels and their flooded areas in catchment Forsmark 8.*

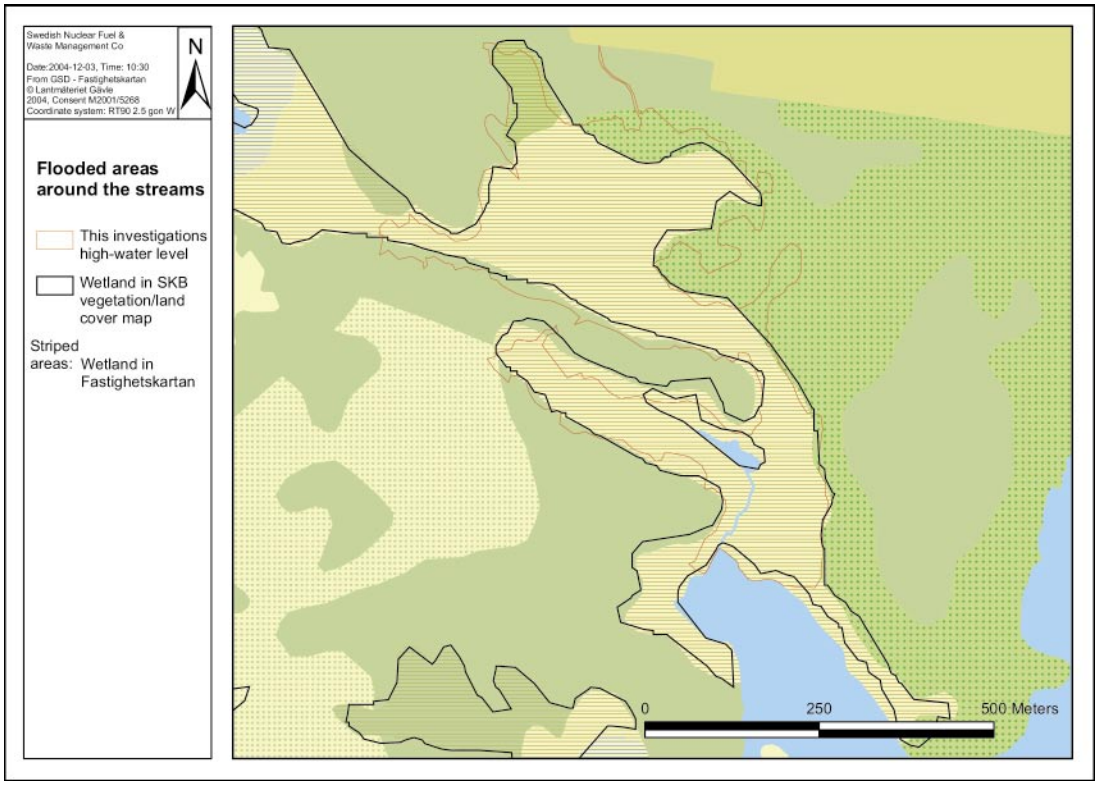

Figure 3-21. *The investigated flooded areas of the channel downstream catchment Forsmark 8, compared to wetland areas of the vegetation/land cover map and the Swedish yellow map (Fastighetskartan).*

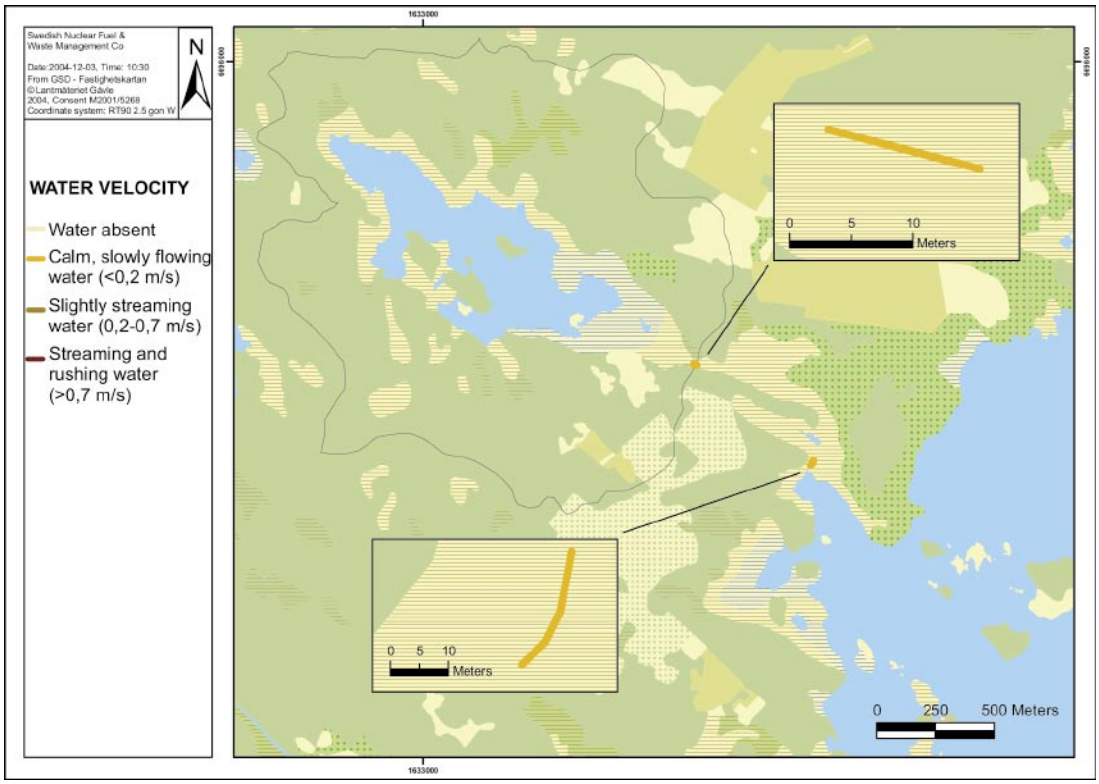

Figure 3-22. *Water velocity in the channel downstream catchment Forsmark 8.*

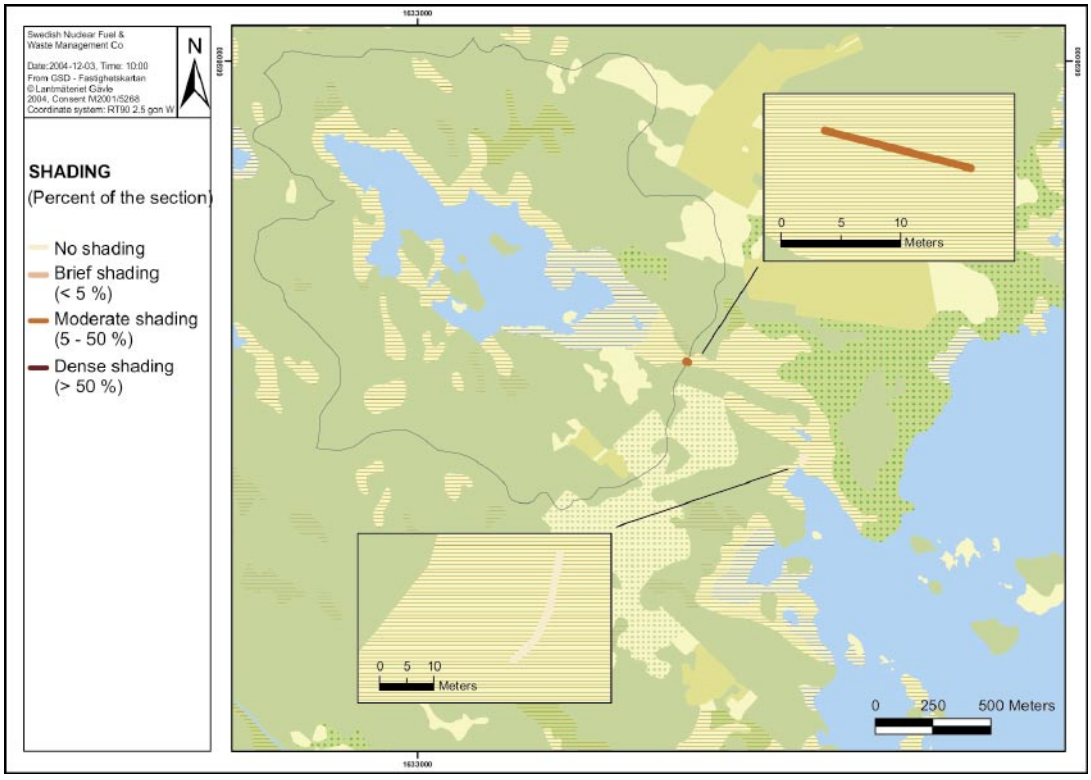

Figure 3-23. *Shading of the channel downstream catchment Forsmark 8.*

Bottom substrate

Fine organic detritus was the dominating bottom substrate in all sections (Figure 3-24).

Vegetation

Vegetation was growing in all investigated sections, in June as well as in late summer (Figure 3-25).

The late summer investigation identified sparse growth (single plants, < 5%) of vegetation in the most upstream part, while moderate growth (5–50%) of aquatic plants was found in the downstream part of the stream (Figure 3-26). Commonly identified species were e.g. Common Reed (Phragmites australis, Vass) and Yellow Iris (Iris Pseudacourus, Svärdslilja), the latter a characteristic plant for eutrophic conditions.

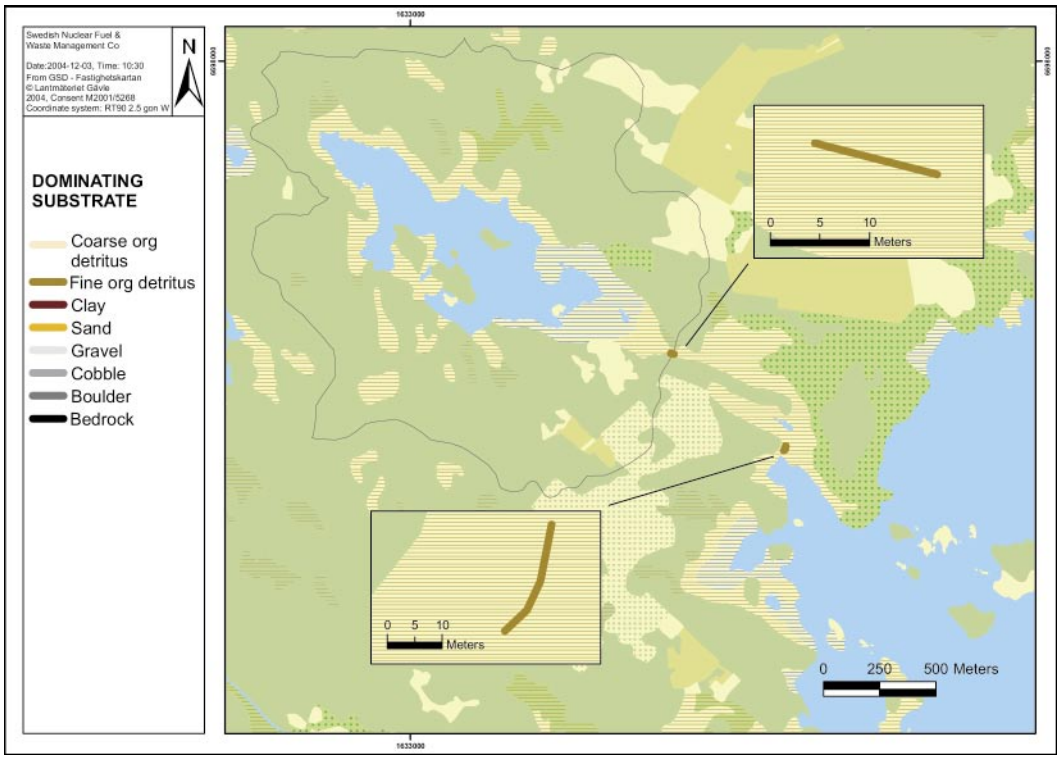

Figure 3-24. *Dominating bottom substrate of the channel downstream catchment Forsmark 8.*

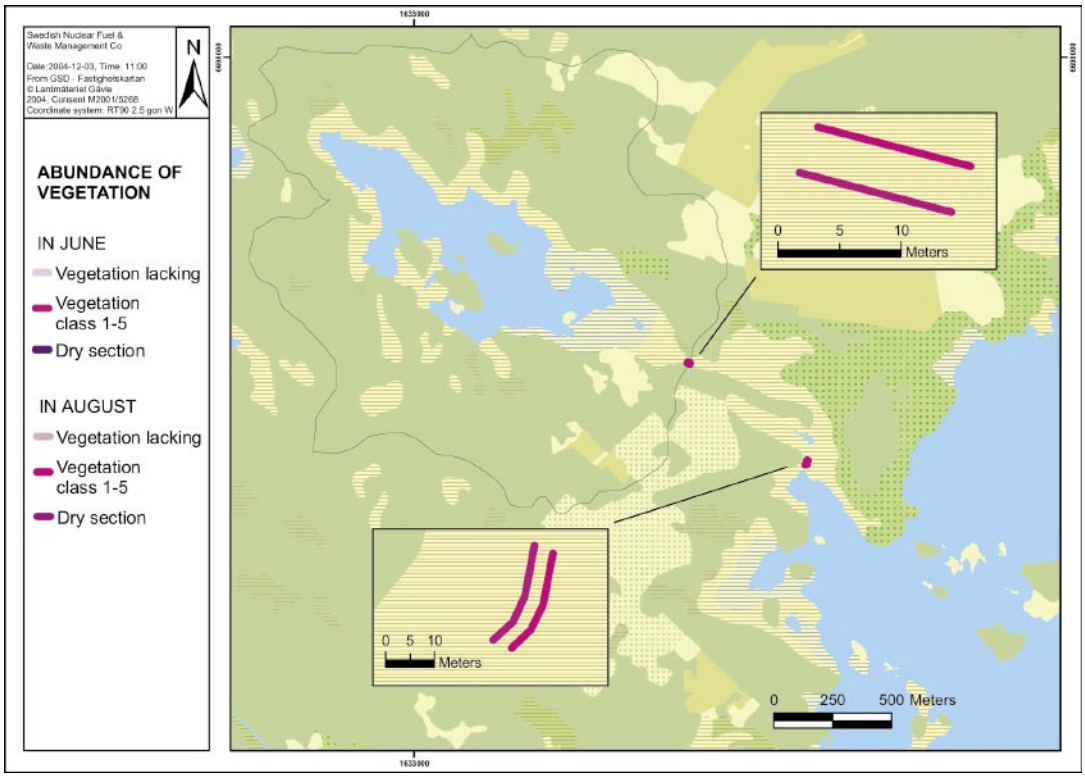

Figure 3-25. *Vegetation presence in June and August in the channel downstream catchment Forsmark 8.*

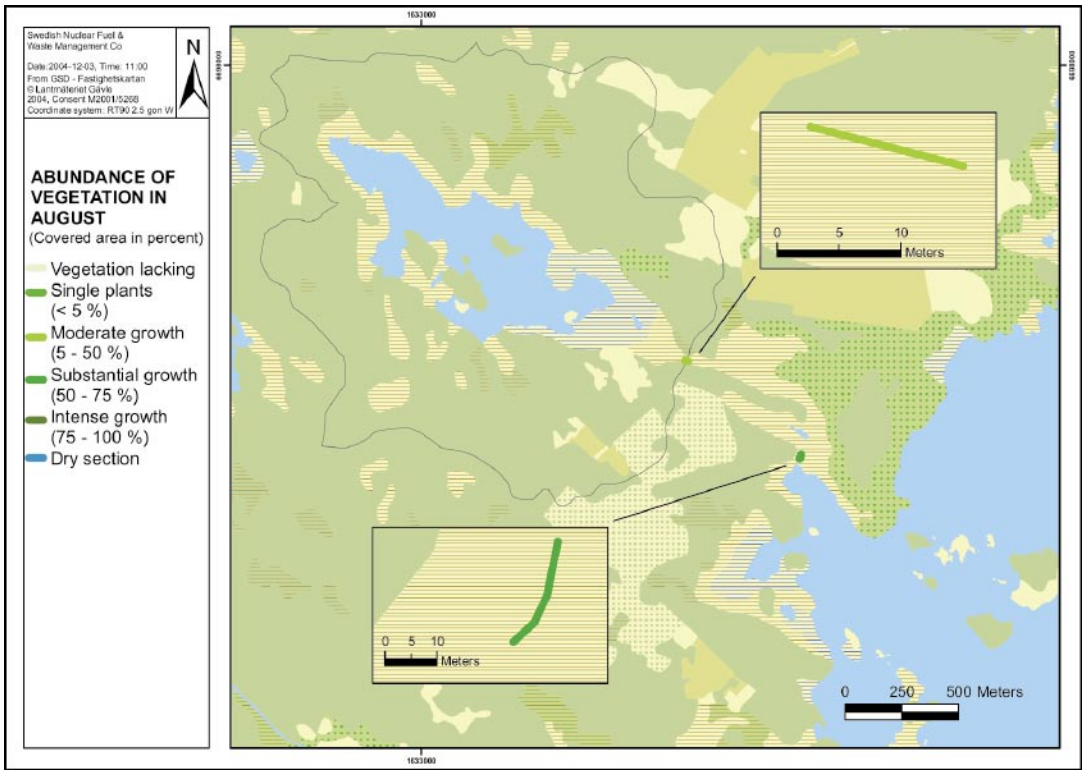

Figure 3-26. *Vegetation abundance of the channel downstream catchment Forsmark 8.*

Technical encroachments

The channel was moderately excavated in the most upstream section, while the section downstream by the sea was natural, with no excavation (Figure 3-27).

Additional remarks

Only three sections, i.e. 30 m, of stream channel were found in the outlet of Lake Fiskarfjärden, and no additional observations were made.

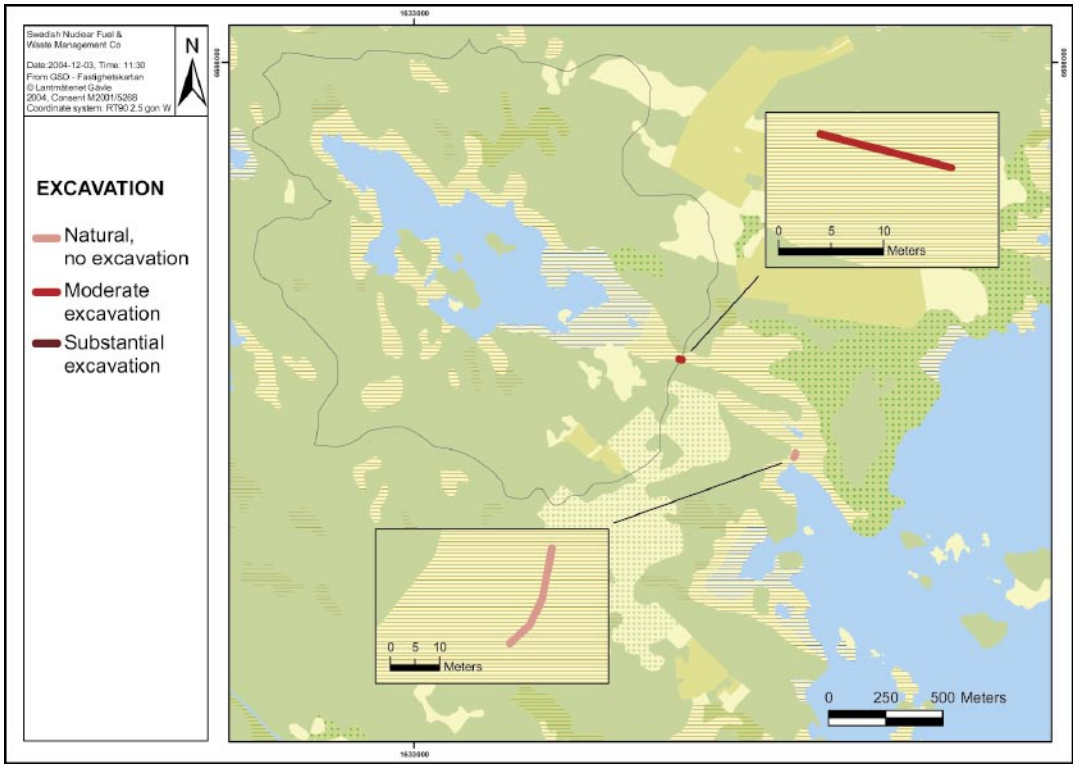

Figure 3-27. *The extent of excavations of the channel downstream catchment Forsmark 8.*

4 Discussion

A total stream-length of 6,980 m was investigated in the three different Forsmark catchments (Table 4-1). The longest stream investigated was the one situated in catchment Forsmark 2 (4,730 m). The investigation in this catchment started some hundred metres upstream the outlet to the sea, since the most downstream parts are three lakes with no or very short stream channels in between. The shortest stream was the outlet of catchment Forsmark 8, situated downstream the catchment of Lake Fiskarfjärden in the coastal area not included in the earlier freshwater investigations. As the outlet threshold of Lake Fiskarfjärden is very close to the average sea level, intrusions of brackish water from the Baltic Sea into this stream/wetland area probably occur frequently.

Table 4-1. Number of sections and length of the investigated parts of the streams in the Forsmark area.

Stream	Number of sections	Length (m)
Catchment Forsmark 1	222	2,220
Catchment Forsmark 2	474	4,730
Catchment Forsmark 8	3	30
Total:	699	6,980

The regularly flooded areas of the channels in catchment Forsmark 2 and 8, identified from field investigations, were calculated to 0.315 km^2 (Table 4-2). Only some parts of these areas, in average about 60%, were included in the Swedish yellow map (Fastighetskartan) and in the SKB Vegetation/land cover map. In the catchment Forsmark 2 the deviation was most extreme; only about 40% of the flooded areas were corresponding with the maps (Figure 4-1).

Table 4-2. The investigated flooded areas of the streams in the Forsmark area, compared to wetland areas of the Swedish yellow map (Fastighetskartan) and the SKB vegetation/land cover map.

Catchment	Flooded area of this investigation km^2	Corresponding area with Fastighetskartan km^2	%	Corresponding area with SKB veg. map km^2	%
Forsmark 1	–	–	–	–	–
Forsmark 2	0.134	0.052	38	0.061	46
Forsmark 8	0.179	0.147	82	0.139	78
Total	0.313	0.199	64	0.200	64

The picture in Figure 4-2 shows one example of an area that was not characterized as wetland in any of the two earlier maps, although the border was distinct and easy to identify from the field investigation. Hence, despite the quite detailed information included in the vegetation map, substantial parts of wetland areas connected to the streams have been overlooked. The additional wetlands that were identified in Forsmark 2 in this investigation correspond to 8% of the size of wetland areas earlier identified within the catchment (0.953 km^2, identified from the SKB vegetation/land cover map by Brunberg et al. 2004).

When assessing transport and retention of different substances within the Forsmark area, these earlier unknown and temporarily flooded areas may be important to include as they constitute a substantial part of the stream channel, or of the wetland areas integrated with the stream channel, at high flow events.

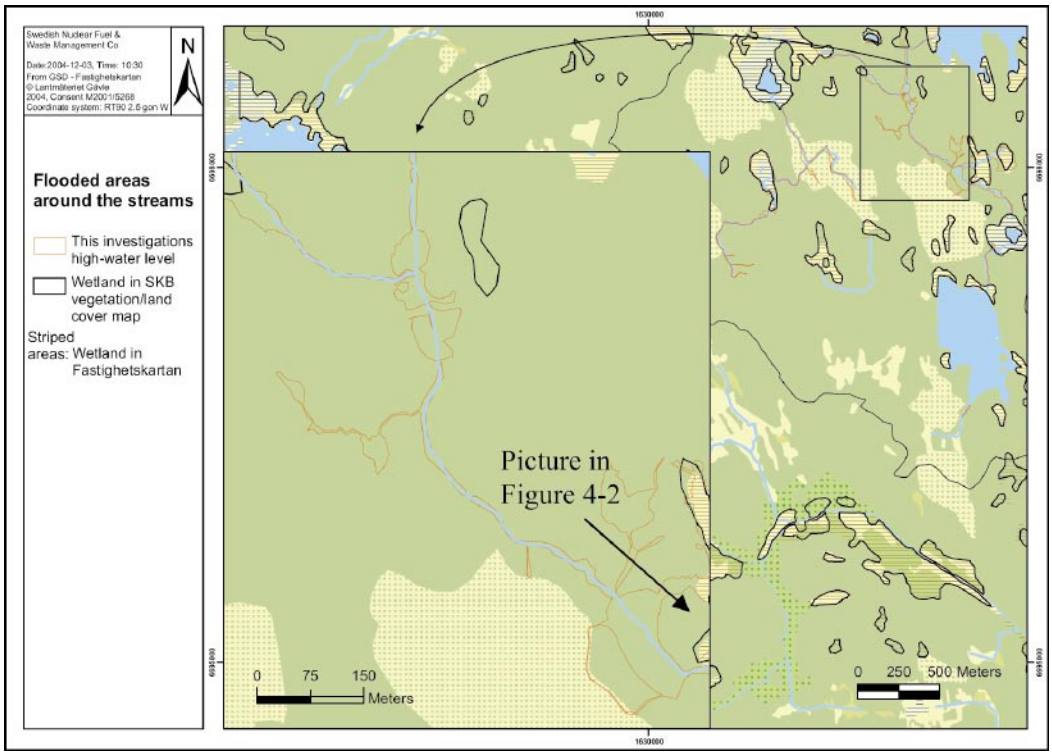

Figure 4-1. *The investigated flooded areas of the stream in catchment Forsmark 2, compared to wetland areas of the SKB vegetation/land cover map and the Swedish yellow map (Fastighetskartan).*

Figure 4-2. *A flooded area in catchment Forsmark 2, with the investigated borders shown with red arrows. Photo from April 2004.*

The most frequent classification of water flow in the investigated streams was calm or slowly floating water (< 0.2 m/s), found in 70% of the channels. In three sections of the investigated tributary in catchment Forsmark 2, the water velocity was characterized as slightly streaming (0.2–0.7 m/s). No streaming and rushing waters (> 0.7 m/s) were found. During the field investigation of aquatic vegetation in June, more water was present in the systems. No classifications of water velocity were made at this occasion, but generally the water flow was low.

The investigated streams were often very small and narrow. At some places the channels were less than 0.5 m wide. In 66% of the sections the water depth was less than 0.1 m in late summer 2004, and 28% of the channels were dry.

The bottom substrate was dominated by fine materials, fine organic detritus and clay, in all three investigated catchments. No bedrock was found.

The investigation of aquatic vegetation was made twice during the summer. The first investigation identified growth of aquatic plants in most of the sections that later in August/ September were dry. No large difference in species composition was found between the sections that later were dry and the ones keeping water during the whole summer. Probably most of these small streams dry out occasionally, although not every year. More dry sections were noted during fieldwork in summer 2003 than during 2004. The vegetation abundance in August/September was heterogeneously distributed with some longer parts with intense growth (75–100%) in both catchment Forsmark 1 and 2.

The streams were to a large extent (82%) substantially excavated; not surprising as the maps of the area show that the channels sometimes turn in sharp curves, 90 degrees or more. Only 2% of the sections were running under bridges or through pipes (Table 4-3).

Table 4-3. Some technical encroachments in the investigated parts of the streams in the Forsmark area.

Technical encroachments	Number of sections	% of total
Bridge or pipe	11	2
Substantially excavated	574	82

Potential barriers for migratory fish were found at ten sites along the streams. Many if these sites are probably no barriers at high-flow periods, i.e. the periods when migratory fish are most likely to be found in the streams. However, the first barrier encountered when entering the stream in Forsmark 1 is most probably perennial. It is a pipe under a road, and the outlet of this pipe is situated almost 1 m above the bottom of the downstream channel. Hence, it is not likely that any fish from the Baltic Sea migrates into this stream. In Forsmark 2, at the inlet to Lake Bolundsfjärden, only 129 individuals were collected in traps for migratory fish during early spring 2004 /Loreth, 2005/. This is probably due to the good spawning sites that are present further downstream in the system, i.e. in Lake Norra Bassängen and Lake Bolundsfjärden. The hydrological station close to Lake Bolundsfjärden is probably not a barrier, at least not to smaller fish. However, if coarse organic material such as tree branches and leaves are trapped at this barrier, it might prevent all sizes of fish to pass.

Two parts of the streams were identified as sites with conditions suitable for electro-fishing.

In general, electro-fishing could be performed anywhere, since all these streams are small and of low water velocity. However, only a few sections have the required coarse bottom material, such as gravel and cobbles, and several parts are far from any road and difficult to reach by walking due to heavy vegetation in the surrounding terrain.

Generally, this investigation confirms that the streams in the Forsmark area are small creeks or man-made ditches with slowly floating water, sometimes dry during summer. This reflects the general characteristics of the area; a flat lowland area close to the sea with small sized catchment areas. Surrounding wetland areas that are flooded during high-flow periods may be of importance for the retention of different substances that are transported by the water to the sea. Altogether, large amounts of data have been collected from the three catchments Forsmark 1, 2 and 8 covering several different aspects of the stream ecosystems. The data are available from this report, as well as from the SKB local geographical information system of the area. Together with other investigations within the area, e.g. of water chemistry, hydrology etc, this gives excellent opportunities for further evaluation of the material, within an integrated ecosystem/catchment perspective.

Acknowledgements

Thanks are extended to Kerstin Wallström for the identification of the Stonewort (Chara virgata) that was collected in this investigation, and to Maria Kahlert for identification of the periphytic algae Vaucheria sp.

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Appendix 1

Morphometry, environment and substrate parameters of rivers in the Forsmark area

For classifications of the different parameters, see Methods.

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_1	040914	1629641	6700613	–	–	–	–	–	–	–	–	–	–	–	–	3	–
1_2	040914	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3	–
1_3	040914	1629533	6700676	–	–	–	–	–	–	–	–	–	–	–	–	3	–
1_4	040907	1629423	6700480	Fine org detr	1	3	2	–	–	–	–	–	0.1	1.5	1	3	–
1_5	040907	–	–	Fine org detr	1	3	2	–	–	–	–	–	0.1	1.5	1	3	–
1_6	040907	–	–	Fine org detr	2	3	2	–	–	–	–	–	0.1	1.5	1	3	–
1_7	040907	–	–	Fine org detr	2	3	2	1	–	–	–	–	0.1	1.5	1	3	–
1_8	040907	–	–	Clay	2	–	3	1	–	2	–	–	0.1	1.5	1	3	–
1_9	040907	–	–	Clay	2	–	3	1	–	2	–	–	0.1	1.5	1	3	–
1_10	040907	–	–	Clay	2	–	3	–	1	2	1	–	0.1	1.5	1	3	–
1_11	040907	–	–	Cobble	2	–	2	–	2	3	2	–	–	–	–	3	x
1_12	040907	–	–	Clay	2	–	2	–	2	2	2	–	–	–	–	3	x
1_13	040907	–	–	Clay	1	–	2	–	2	2	2	–	–	–	–	3	x
1_14	040907	–	–	Clay	1	–	2	–	2	2	2	–	–	–	–	3	x
1_15	040907	–	–	Cobble	1	–	2	–	2	3	2	–	–	–	–	3	x
1_16	040907	–	–	Cobble	1	–	2	–	2	3	2	–	–	–	–	3	x
1_17	040907	–	–	Cobble	1	–	2	–	2	3	2	–	–	–	–	3	x
1_18	040907	–	–	Cobble	1	–	2	–	2	3	2	–	–	–	–	3	x
1_19	040907	–	–	Cobble	1	–	2	–	2	3	2	–	–	–	–	3	x
1_20	040907	–	–	Cobble	1	–	2	–	1	3	2	–	–	–	–	3	x
1_21	040907	–	–	Clay	1	–	2	–	1	2	2	–	–	–	–	3	x
1_22	040907	–	–	Cobble	2	–	2	–	2	3	2	–	–	–	–	3	x
1_23	040907	–	–	Cobble	2	–	2	–	1	3	2	–	–	–	–	3	x
1_24	040907	–	–	Cobble	2	–	2	–	1	3	2	–	–	–	–	3	x
1_25	040907	–	–	Cobble	2	–	2	–	1	3	2	–	–	–	–	3	x

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_26	040907	–	–	Cobble	2	–	2	–	1	2	1	–	–	–	–	3	x
1_27	040907	–	–	Cobble	2	–	2	–	1	2	1	–	–	–	–	3	x
1_28	040907	–	–	Cobble	2	–	2	–	–	2	1	–	–	–	–	3	x
1_29	040907	–	–	Clay	2	–	3	–	–	1	1	–	–	–	–	3	x
1_30	040907	–	–	Clay	2	–	3	–	–	2	1	–	–	–	–	3	x
1_31	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.6	1	2	–
1_32	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.6	1	2	–
1_33	040907	1629366	6700240	Clay	2	–	3	–	–	–	1	–	0.1	1.6	1	2	–
1_34	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.6	1	2	–
1_35	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.6	1	0	–
1_36	040907	–	–	Clay	1	–	3	–	–	–	–	–	0.1	1.6	1	0	–
1_37	040907	–	–	Clay	1	–	3	–	–	–	–	–	0.1	1.2	1	0	–
1_38	040907	–	–	Clay	1	–	3	–	–	–	–	–	0.1	1.2	1	0	–
1_39	040907	–	–	Clay	–	–	3	–	–	–	–	–	0.1	1.2	1	0	–
1_40	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_41	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_42	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_43	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_44	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_45	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_46	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_47	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_48	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_49	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_50	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_51	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_52	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.8	1	0	–
1_53	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.8	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_54	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_55	040907	–	–	Fine org detr	–	3	–	–	–	–	1	–	0.1	1.4	1	2	–
1_56	040907	–	–	Fine org detr	–	3	–	–	–	–	1	–	0.1	1.4	1	2	–
1_57	040907	–	–	Fine org detr	–	3	–	–	–	–	1	–	0.1	1.4	1	2	–
1_58	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_59	040907	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_60	040907	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_61	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_62	040907	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_63	040907	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_64	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_65	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_66	040907	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_67	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_68	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_69	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_70	040907	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	0	–
1_71	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_72	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_73	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_74	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_75	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_76	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_77	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_78	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	2.0	1	0	–
1_79	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_80	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_81	040907	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_82	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.5	1	2	–
1_83	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.5	1	2	–
1_84	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.3	1	2	–
1_85	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.0	1	3	–
1_86	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.0	1	3	–
1_87	040907	–	–	Clay	2	–	3	–	–	1	2	–	0.1	1.0	1	3	–
1_88	040907	–	–	Clay	2	–	3	–	–	2	2	–	0.1	1.0	1	3	–
1_89	040907	–	–	Clay	2	–	3	–	–	2	2	–	0.1	1.0	1	3	–
1_90	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.2	1	3	–
1_91	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.2	1	3	–
1_92	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.2	1	3	–
1_93	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.2	1	3	–
1_94	040907	–	–	Clay	1	–	3	–	–	–	–	–	0.1	1.4	1	3	–
1_95	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.4	1	3	–
1_96	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.1	1	2	–
1_97	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.1	1	2	–
1_98	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.1	1	2	–
1_99	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.1	1	2	–
1_100	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.1	1	2	–
1_101	040907	–	–	Fine org detr	2	3	–	–	–	–	1	–	0.1	1.1	1	2	–
1_102	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_103	040907	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_104	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_105	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_106	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_107	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_108	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_109	040907	–	–	Fine org detr	–	3	–	–	–	–	–	–	0.1	1.5	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_110	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_111	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_112	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_113	040907	–	–	Clay	2	–	3	–	–	1	–	–	–	–	–	3	x
1_114	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_115	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_116	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_117	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_118	040907	–	–	Clay	2	–	3	–	–	1	–	–	–	–	–	3	x
1_119	040907	–	–	Clay	2	–	3	–	–	1	–	–	–	–	–	3	x
1_120	040907	–	–	Clay	2	–	3	–	–	–	2	–	–	–	–	3	x
1_121	040907	–	–	Clay	1	–	3	–	–	1	2	–	–	–	–	3	x
1_122	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	2	x
1_123	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	2	x
1_124	040907	–	–	Clay	2	–	3	–	–	–	–	–	–	–	–	3	x
1_125	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	2	x
1_126	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	2	x
1_127	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	2	x
1_128	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	2	x
1_129	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	3	x
1_130	040907	–	–	Clay	1	–	3	–	–	–	–	–	–	–	–	3	x
1_131	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	2	x
1_132	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_133	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_134	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_135	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_136	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_137	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_138	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_139	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_140	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_141	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_142	040907	–	–	Clay	2	–	3	–	–	–	1	–	–	–	–	3	x
1_143	040907	–	–	Clay	2	–	2	2	–	–	1	–	–	–	–	3	x
1_144	040907	–	–	Clay	2	–	2	2	–	–	1	–	–	–	–	3	x
1_145	040907	–	–	Sand	2	–	2	2	–	–	1	–	–	–	–	3	x
1_146	040907	–	–	Sand	2	–	2	3	–	–		–	–	–	–	3	x
1_147	040907	1629480	6699053	Clay	2	–	3	2	–	–	1	–	–	–	–	3	x
1_148	040907	–	–	Clay	2	–	2	2	–	1	1	–	–	–	–	3	x
1_149	040907	–	–	Cobble	2	–	2	–	2	2	2	–	–	–	–	3	x
1_150	040907	–	–	Clay	2	–	2	–	2	2	2	–	–	–	–	3	x
1_151	040907	–	–	Cobble	2	–	1	–	2	2	2	–	–	–	–	3	x
1_152	040907	–	–	Cobble	2	–	1	–	2	3	2	–	–	–	–	3	x
1_153	040907	–	–	Cobble	2	–	2	–	2	2	1	–	–	–	–	3	x
1_154	040907	–	–	Clay	2	–	2	–	–	2	1	–	–	–	–	3	x
1_155	040907	–	–	Clay	2	–	2	–	–	2	1	–	–	–	–	3	x
1_156	040907	–	–	Clay	2	–	2	–	–	2	1	–	–	–	–	3	x
1_157	040907	–	–	Clay	2	–	2	–	–	2	1	–	–	–	–	3	x
1_158	040907	–	–	Clay	2	–	2	–	–	2	1	–	–	–	–	3	x
1_159	040907	–	–	Clay	2	–	2	–	–	2	2	–	–	–	–	3	x
1_160	040907	–	–	Clay	2	–	2	–	–	1	1	–	–	–	–	3	x
1_161	040907	–	–	Clay	2	–	2	–	–	1	1	–	–	–	–	3	x
1_162	040907	–	–	Clay	2	–	2	–	–	1	1	–	–	–	–	3	x
1_163	040907	–	–	Clay	2	–	2	–	–	2	2	–	–	–	–	3	x
1_164	040907	–	–	Clay	2	–	2	–	–	1	1	–	–	–	–	3	x
1_165	040810	1629330	6699060	Fine org detr	2	3	–	–	–	2	1	–	–	–	–	3	x

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_166	040810	–	–	Coarse org detr	3	2	–	–	–	2	1	–	–	–	–	3	x
1_167	040810	–	–	Fine org detr	2	3	–	–	–	2	1	–	–	–	–	3	x
1_168	040810	–	–	Coarse org detr	3	2	–	–	–	–	1	–	–	–	–	2	x
1_169	040810	–	–	Coarse org detr	3	2	–	–	–	–	1	–	–	–	–	2	x
1_170	040810	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	2	x
1_171	040810	–	–	Coarse org detr	3	2	–	–	–	–	2	–	–	–	–	3	x
1_172	040810	–	–	Coarse org detr	3	2	–	–	–	–	2	–	0.1	0.4	1	3	–
1_173	040810	–	–	Fine org detr	2	3	–	–	–	–	1	–	0.1	2.0	1	3	–
1_174	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	2.0	1	3	–
1_175	040810	–	–	Fine org detr	1	3	–	–	–	–	1	–	0.2	1.5	1	3	–
1_176	040810	–	–	Fine org detr	1	3	–	–	–	–	2	–	0.1	1.5	1	3	–
1_177	040810	–	–	Fine org detr	1	3	–	–	–	1	2	–	0.1	2.0	1	2	–
1_178	040810	1629224	6698997	Fine org detr	1	3	–	–	–	1	1	–	0.2	2.0	1	3	–
1_179	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_180	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_181	040810	–	–	Fine org detr	1	3	–	–	–	–	2	–	0.1	1.4	1	2	–
1_182	040810	–	–	Fine org detr	1	3	–	–	–	–	2	–	0.1	1.4	1	2	–
1_183	040810	–	–	Fine org detr	1	3	–	–	–	–	2	–	0.1	1.4	1	2	–
1_184	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_185	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_186	040810	1629171	6699049	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_187	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	1	–
1_188	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	1	–
1_189	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	1	–
1_190	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_191	040810	1629123	6699083	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.4	1	2	–
1_192	040810	1629354	6700232	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	0	–
1_193	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_194	040810	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	0	x
1_195	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	3	x
1_196	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	2	x
1_197	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	3	x
1_198	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	2	x
1_199	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	2	x
1_200	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	3	x
1_201	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	3	x
1_202	040810	–	–	Coarse org detr	3	2	–	–	–	1	–	–	–	–	–	2	x
1_203	040810	–	–	Coarse org detr	2	2	–	–	–	1	–	–	–	–	–	3	x
1_204	040810	–	–	Coarse org detr	2	2	–	–	–	1	–	–	–	–	–	3	x
1_205	040810	–	–	Coarse org detr	3	2	–	–	–	1	–	–	–	–	–	3	x
1_206	040810	–	–	Fine org detr	2	3	–	–	–	–	1	–	–	–	–	3	x
1_207	040810	–	–	Fine org detr	2	2	–	–	–	–	2	–	–	–	–	3	x
1_208	040810	–	–	Fine org detr	2	3	–	–	–	–	1	–	–	–	–	3	x
1_209	040810	–	–	Fine org detr	2	3	–	–	–	–	2	–	0.1	1.0	1	3	–
1_210	040810	–	–	Fine org detr	1	3	–	–	–	–	2	1	0.1	1.0	1	3	–
1_211	040810	–	–	Fine org detr	1	3	–	–	–	–	1	–	0.2	0.9	1	2	–
1_212	040810	–	–	Fine org detr	1	3	–	–	–	–	2	–	0.2	1.1	1	2	–
1_213	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.3	1	2	–
1_214	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.3	1	2	–
1_215	040810	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	1.3	1	1	–
1_216	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_217	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_218	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_219	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_220	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.2	1	0	–
1_221	040810	1629104	6700296	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.2	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
1_222	040810	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.2	1	0	–
2_1	040907	1631729	6698791	Clay	2	–	3	–	–	–	–	–	0.1	1.2	1	3	–
2_2	040907	–	–	Clay	2	–	3	–	–	–	–	–	0.1	1.2	1	3	–
2_3	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.2	1	3	–
2_4	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.2	1	3	–
2_5	040907	–	–	Clay	2	–	3	–	–	–	1	–	0.1	1.2	1	3	–
2_6	040907	–	–	Sand	2	–	2	3	–	2	1	–	0.1	1.2	1	3	–
2_7	040907	–	–	Sand	–	–	2	3	–	2	1	–	0.1	1.3	1	1	–
2_8	040907	–	–	Cobble	–	–	2	2	2	3	1	–	0.1	1.3	1	0	–
2_9	040907	–	–	Cobble	–	–	–	–	1	3		–	0.1	1.3	1	0	–
2_10	040907	–	–	Cobble	–	–	–	–	1	3		–	0.1	1.3	1	0	–
2_11	040907	–	–	Cobble	–	–	–	–	1	3		–	0.1	1.3	1	0	–
2_12	040907	–	–	Clay	–	–	2	–	–	2	1	–	0.1	1.4	1	3	–
2_13	040907	–	–	Clay	–	–	2	–	–	2	1	–	0.1	1.4	1	3	–
2_14	040907	–	–	Clay	–	–	2	–	–	2	1	–	0.1	1.4	1	3	–
2_15	040907	–	–	Clay	–	2	2	–	–	2	1	–	0.1	1.4	1	3	–
2_16	040907	–	–	Clay	–	2	2	–	–	2	1	–	0.1	1.4	1	3	–
2_17	040907	–	–	Clay	–	2	2	–	–	2	1	–	0.1	1.4	1	3	–
2_18	040907	–	–	Clay	–	2	2	–	–	2	1	–	0.1	1.4	1	3	–
2_19	040914	–	–	Clay	–	2	3	–	–	–	–	–	0.1	1.4	1	3	–
2_20	040914	–	–	Clay	–	2	3	–	–	–	–	–	0.1	1.4	1	3	–
2_21	040914	–	–	Clay	–	2	3	–	–	–	–	–	0.1	1.4	1	3	–
2_22	040914	–	–	Clay	–	2	3	–	–	–	–	–	0.1	1.4	1	3	–
2_23	040914	–	–	Clay	–	2	3	–	–	–	–	–	0.1	1.4	1	3	–
2_24	040914	–	–	Clay	–	2	3	–	–	–	–	–	0.1	1.4	1	3	–
2_25	040914	–	–	Clay	–	2	3	–	–	–	1	–	0.1	1.4	1	3	–
2_26	040914	–	–	Clay	–	2	3	–	–	–	1	–	0.1	1.8	1	3	–
2_27	040914	–	–	Clay	–	2	3	–	–	–	1	–	0.1	1.8	1	3	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_28	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	1.8	1	3	–
2_29	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	1.8	1	3	–
2_30	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_31	040914	–	–	Clay		2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_32	040914	–	–	Clay		2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_33	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_34	040914	–	–	Clay	2	2	3	–	–	2	–	–	0.1	1.8	1	3	–
2_35	040914	–	–	Clay	2	2	3	–	–	1	–	–	0.1	1.8	1	3	–
2_36	040914	–	–	Clay	2	2	3	–	–	1	–	–	0.1	1.8	1	3	–
2_37	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_38	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_39	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_40	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_41	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_42	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_43	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.8	1	3	–
2_44	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	2.4	1	2	–
2_45	040914	1631579	6698455	Clay	2	2	3	–	–	–	–	–	0.1	2.4	1	2	–
2_46	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.4	1	2	–
2_47	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.2	1	2	–
2_48	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.2	1	2	–
2_49	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	1.7	1	3	–
2_50	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	1.7	1	3	–
2_51	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.5	1	3	–
2_52	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.5	1	3	–
2_53	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.5	1	3	–
2_54	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.5	1	3	–
2_55	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.0	1	3	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_56	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.0	1	3	–
2_57	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.0	1	3	–
2_58	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	1.0	1	3	–
2_59	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	1.0	1	3	–
2_60	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.7	1	3	–
2_61	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.5	1	3	–
2_62	040914	–	–	Clay	2	2	3	–	–	–	–	–	–	–	–	3	x
2_63	040914	–	–	Clay	2	2	3	–	–	–	–	–	–	–	–	3	x
2_64	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.3	1	3	–
2_65	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.3	1	3	–
2_66	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.5	1	3	–
2_67	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.5	1	3	–
2_68	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.5	1	3	–
2_69	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.5	1	3	–
2_70	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.5	1	3	–
2_71	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.5	1	3	–
2_72	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.5	1	3	–
2_73	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.5	1	3	–
2_74	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.5	1	3	–
2_75	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.2	1	3	–
2_76	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.0	1	3	–
2_77	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.0	1	3	–
2_78	040914	–	–	Clay	2	2	3	1	–	–	–	–	0.1	0.4	1	3	–
2_79	040914	–	–	Cobble	2	1	3	–	2	3	–	–	0.1	1.5	1	2	–
2_80	040914	–	–	Clay	2	2	2	–	–	2	–	–	0.2	1.6	1	3	–
2_81	040914	–	–	Clay	2	2	2	–	–	–	–	–	0.1	1.4	1	3	–
2_82	040914	–	–	Clay	2	2	2	–	–	–	–	–	0.1	1.4	1	3	–
2_83	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.1	1	3	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_84	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.8	1	3	–
2_85	040914	–	–	Clay	2	2	3	–	–	1	2	–	0.1	0.8	1	3	–
2_86	040914	–	–	Clay	2	2	3	–	–	1	–	–	0.1	0.8	1	3	–
2_87	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.8	1	3	–
2_88	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.5	1	3	–
2_89	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.5	1	3	–
2_90	040914	–	–	Clay	2	2	3	–	–	1	2	–	0.1	0.7	1	3	–
2_91	040914	–	–	Clay	2	2	3	–	–	1	2	–	0.1	0.7	1	3	–
2_92	040914	–	–	Clay	2	2	3	–	–	1	2	–	0.1	0.7	1	3	–
2_93	040914	–	–	Clay	2	2	3	–	–	2	–	–	0.1	0.8	1	3	–
2_94	040914	–	–	Clay	2	2	3	–	–	2	2	–	0.1	0.8	1	3	–
2_95	040914	–	–	Clay	2	2	3	–	–	2	2	–	0.1	0.8	1	3	–
2_96	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.4	1	2	–
2_97	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.4	1	2	–
2_98	040914	–	–	Clay	1	2	3	–	–	–	–	–	0.1	1.2	1	2	–
2_99	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.2	1	2	–
2_100	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.7	1	3	–
2_101	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.7	1	3	–
2_102	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.7	1	3	–
2_103	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	3	–
2_104	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.9	1	2	–
2_105	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.9	1	2	–
2_106	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.1	1	0	–
2_107	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.1	1	0	–
2_108	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.1	1	0	–
2_109	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.6	1	2	–
2_110	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_111	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_112	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_113	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_114	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_115	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_116	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_117	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_118	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_119	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_120	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.7	1	0	–
2_121	040914	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.7	1	2	–
2_122	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.7	1	2	–
2_123	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.7	1	2	–
2_124	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.6	1	2	–
2_125	040810	–	–	Clay	2	2	–	–	–	–	1	–	0.1	0.6	1	2	–
2_126	040810	–	–	Clay	2	2	–	–	–	–	1	–	0.1	0.6	1	2	–
2_127	040810	–	–	Clay	2	2	–	–	1	–	1	–	0.1	0.6	1	2	–
2_128	040810	–	–	Clay	2	2	–	–	1	–	1	–	0.1	0.6	1	2	–
2_129	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.5	1	3	–
2_130	040810	–	–	Clay	2	2	–	–	–	–	1	–	0.1	0.4	1	3	–
2_131	040810	–	–	Clay	2	2	–	–	–	–	1	–	0.1	0.4	1	3	–
2_132	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.4	1	3	–
2_133	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.4	1	3	–
2_134	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.4	1	2	–
2_135	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.4	1	2	–
2_136	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.4	1	2	–
2_137	040810	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.4	1	2	–
2_138	040810	–	–	Clay	2	2	–	–	1	–	–	–	0.1	0.3	1	2	–
2_139	040810	–	–	Clay	2	2	–	–	1	–	–	–	0.1	0.3	1	2	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_140	040810	–	–	Clay	2	2	–	–	2	–	–	–	0.1	0.3	1	2	–
2_141	040810	–	–	Clay	2	2	–	–	2	1	–	–	0.1	0.5	1	3	–
2_142	040810	–	–	Coarse org detr	3	2	–	–	2	1	–	–	0.1	0.5	1	3	–
2_143	040810	–	–	Coarse org detr	3	2	–	–	2	1	–	–	0.1	0.5	1	3	–
2_144	040810	–	–	Coarse org detr	3	2	–	–	1	2	–	–	0.1	0.4	1	3	–
2_145	040810	–	–	Coarse org detr	3	2	–	–	1	2	–	–	0.1	0.4	1	3	–
2_146	040810	–	–	Coarse org detr	3	2	–	–	1	2	–	–	0.1	0.4	1	3	–
2_147	040810	–	–	Cobble	2	2	–	–	1	2	–	–	0.1	0.4	1	3	–
2_148	040810	–	–	Coarse org detr	2	2	–	–	1	1	–	–	0.1	0.6	1	3	–
2_149	040810	–	–	Gravel	1	2	–	–	2	2	–	–	0.1	1.0	1	3	–
2_150	040810	–	–	Gravel	1	2	–	–	2	2	–	–	0.1	1.2	1	2	–
2_151	040810	–	–	Cobble	2	2	–	–	2	2	1	–	0.1	1.0	1	2	–
2_152	040810	–	–	Clay	2	2	–	–	1	2	1	–	0.1	0.6	1	2	–
2_153	040810	–	–	Clay	2	2	–	–	1	1	1	–	0.1	0.6	1	2	–
2_154	040810	–	–	Clay	2	2	–	–	1	1	1	–	0.1	0.7	1	2	–
2_155	040810	–	–	Clay	2	2	–	–	2	–	2	–	0.1	0.9	1	1	–
2_156	040810	–	–	Clay	2	2	–	–	2	1	2	–	0.1	0.9	1	1	–
2_157	040810	–	–	Clay	2	2	–	–	2	1	2	–	0.1	0.9	1	2	–
2_158	040809	–	–	Clay	2	1	2	1	–	1	–	–	0.1	1.0	1	2	–
2_159	040809	–	–	Clay	2	1	2	1	–	1	–	–	0.1	1.0	1	2	–
2_160	040809	–	–	Sand	2	1	1	2	–	2	–	–	0.1	0.9	1	2	–
2_161	040809	–	–	Sand	2	1	1	2	–	2	–	–	0.1	0.9	1	2	–
2_162	040809	–	–	Sand	2	1	1	2	–	2	–	–	0.1	0.9	1	2	–
2_163	040809	–	–	Sand	2	1	1	2	–	2	–	–	0.1	0.9	1	2	–
2_164	040809	–	–	Cobble	2	1	1	2	–	2	1	–	0.1	0.4	1	2	–
2_165	040809	–	–	Cobble	2	1	1	2	–	2	1	–	0.1	0.4	1	2	–
2_166	040809	–	–	Sand	2	1	1	3	–	1	–	–	0.1	0.4	1	2	–
2_167	040809	–	–	Sand	2	1	1	3	–	1	–	–	0.1	0.4	1	2	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_168	040809	–	–	Sand	2	1	1	3	–	1	–	–	0.1	0.4	1	2	–
2_169	040809	–	–	Cobble	–	–	–	–	–	3	–	–	0.1	0.1	1	2	–
2_170	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	1.1	1	2	–
2_171	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.8	1	2	–
2_172	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	0.8	1	2	–
2_173	040809	–	–	Clay	2	2	–	–	–	–	2	–	0.1	0.8	1	2	–
2_174	040809	–	–	Clay	2	2	–	–	–	–	2	–	0.1	0.8	1	2	–
2_175	040809	–	–	Clay	2	2	–	–	–	1	2	–	0.1	0.8	1	2	–
2_176	040809	–	–	Clay	2	2	–	–	–	1	–	–	0.1	1.0	1	2	–
2_177	040809	–	–	Clay	2	2	–	–	–	1	–	–	0.1	1.0	1	2	–
2_178	040809	–	–	Clay	2	2	–	–	–	1	–	–	0.1	1.0	1	2	–
2_179	040809	–	–	Clay	2	2	–	–	–	1	–	–	0.1	1.0	1	2	–
2_180	040809	–	–	Clay	2	2	–	–	–	1	–	–	0.1	1.0	1	2	–
2_181	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	1.2	1	2	–
2_182	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	1.1	1	2	–
2_183	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	2.0	1	2	–
2_184	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	2.0	1	2	–
2_185	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	2.5	1	3	–
2_186	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	2.5	1	3	–
2_187	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	2.5	1	3	–
2_188	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	2.5	1	3	–
2_189	040809	–	–	Clay	2	2	–	–	–	–	–	–	0.1	1.5	1	3	–
2_190	040809	–	–	Clay	2	2	–	–	–	–	–	–	–	–	–	3	x
2_191	040809	–	–	Clay	2	2	–	–	–	–	–	–	–	–	–	3	x
2_192	040809	–	–	Clay	2	2	–	–	–	–	–	–	–	–	–	3	x
2_193	040809	–	–	Clay	2	2	–	–	–	–	–	–	–	–	–	3	x
2_194	040914	1631578	6698450	Clay	2	2	3	–	–	–	1	–	0.1	1.8	1	2	–
2_195	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	1.8	1	3	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_196	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	1.8	1	3	–
2_197	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	1.3	1	3	–
2_198	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.3	1	3	–
2_199	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.1	2	3	–
2_200	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.1	2	3	–
2_201	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	1.1	2	3	–
2_202	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.8	1	3	–
2_203	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.8	1	3	–
2_204	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.8	1	3	–
2_205	040914	–	–	Clay	2	2	3	–	–	–	1	–	0.1	0.8	1	3	–
2_206	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.8	1	3	–
2_207	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.9	1	3	–
2_208	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	0.9	1	3	–
2_209	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.3	1	3	–
2_210	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.3	1	3	–
2_211	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.7	1	2	–
2_212	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.7	1	2	–
2_213	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.7	1	2	–
2_214	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.7	1	2	–
2_215	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_216	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_217	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_218	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_219	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_220	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_221	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_222	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–
2_223	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.5	1	2	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_224	040914	–	–	Clay	2	2	3	–	–	1	2	–	0.1	1.8	1	3	–
2_225	040914	–	–	Clay	2	2	3	–	–	1	2	–	0.1	1.8	1	3	–
2_226	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.0	1	3	–
2_227	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.0	1	3	–
2_228	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.0	1	3	–
2_229	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.2	1.2	1	3	–
2_230	040914	–	–	Clay	2	2	3	–	–	1	–	–	0.2	1.2	1	3	–
2_231	040914	–	–	Clay	2	2	3	–	–	1	–	–	0.2	1.2	1	3	–
2_232	040914	–	–	Clay	2	2	3	–	–	1	–	–	0.2	1.2	1	3	–
2_233	040914	–	–	Clay	2	2	3	–	–	1	–	–	0.2	1.2	1	3	–
2_234	040914	–	–	Boulder	2	2	2	–	–	2	2	–	0.3	0.6	1	3	–
2_235	040914	–	–	Clay	2	2	2	–	–	–		–	0.1	0.8	1	3	–
2_236	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.1	0.8	1	3	–
2_237	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.2	0.9	1	3	–
2_238	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.2	0.9	1	3	–
2_239	040914	–	–	Clay	2	2	3	–	–	–	2	–	0.2	0.8	1	2	–
2_240	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.2	0.8	1	2	–
2_241	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.2	0.8	1	2	–
2_242	040914	–	–	Clay	2	2	3	–	2	–	–	–	0.1	1.2	1	2	–
2_243	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	2.1	1	3	–
2_244	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.2	1.4	1	3	–
2_245	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.2	1.4	1	3	–
2_246	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	2	–
2_247	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_248	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_249	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_250	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_251	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_252	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_253	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_254	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_255	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_256	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_257	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_258	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_259	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_260	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_261	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_262	040914	–	–	Clay	2	2	3	–	–	–	–	–	0.1	1.6	1	0	–
2_263	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	0.5	1	2	–
2_264	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	0.5	1	2	–
2_265	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	0.5	1	1	–
2_266	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	0	–
2_267	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	0	–
2_268	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	1	–
2_269	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	1	–
2_270	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	1	–
2_271	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	1	–
2_272	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	1	–
2_273	040809	–	–	Fine org detr	1	3	–	–	1	–	–	–	–	–	–	1	x
2_274	040809	–	–	Fine org detr	1	2	–	–	2	–	–	–	–	–	–	1	x
2_275	040809	–	–	Fine org detr	1	3	–	–	1	–	–	–	–	–	–	1	x
2_276	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	0.4	1	2	–
2_277	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	0.4	1	1	–
2_278	040809	–	–	Fine org detr	1	3	–	–	1	2	–	–	0.1	0.4	1	2	–
2_279	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	0.4	1	2	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_280	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	0.4	1	1	–
2_281	040809	–	–	Fine org detr	2	2	–	–	–	2	–	–	0.1	0.5	1	1	–
2_282	040809	–	–	Fine org detr	2	3	–	–	–	2	1	–	0.1	0.5	1	1	–
2_283	040809	–	–	Fine org detr	2	3	–	–	–	2	1	–	0.1	0.5	1	1	–
2_284	040809	–	–	Fine org detr	2	3	–	–	1	2	1	–	0.1	0.5	1	1	–
2_285	040809	–	–	Fine org detr	2	3	–	–	–	2	1	–	0.1	0.5	1	1	–
2_286	040809	–	–	Cobble	2	2	–	–	–	2	1	–	0.1	0.5	1	1	–
2_287	040809	–	–	Cobble	2	2	–	–	–	2	–	–	0.1	0.5	1	2	–
2_288	040809	–	–	Cobble	2	2	–	–	–	2	1	–	–	–	–	0	x
2_289	040809	–	–	Cobble	2	2	–	–	–	2	–	–	–	–	–	1	x
2_290	040809	–	–	Cobble	2	2	–	–	–	2	1	–	0.1	1.0	1	1	–
2_291	040809	–	–	Cobble	2	2	–	–	–	2	1	–	0.1	1.0	1	1	–
2_292	040809	–	–	Cobble	2	2	–	–	–	2	1	–	0.1	1.0	1	1	–
2_293	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	0.1	1.0	1	1	–
2_294	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	1	–
2_295	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	1	–
2_296	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.0	1	1	–
2_297	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.0	1	1	–
2_298	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.0	1	1	–
2_299	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.2	1.0	1	2	–
2_300	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.2	1.3	1	2	–
2_301	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	1	–
2_302	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	1	–
2_303	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	0.1	1.5	1	1	–
2_304	040809	–	–	Coarse org detr	3	2	–	–	–	1	–	–	0.1	1.5	1	2	–
2_305	040809	–	–	Coarse org detr	3	2	–	–	–	1	–	–	0.1	1.5	1	2	–
2_306	040809	–	–	Coarse org detr	3	2	–	–	–		–	–	0.1	1.5	1	3	–
2_307	040809	–	–	Coarse org detr	3	2	–	–	–	1	–	–	0.1	1.5	1	3	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_308	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.1	1.5	1	2	–
2_309	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.1	1.5	1	2	–
2_310	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.1	1.0	1	1	–
2_311	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	–	–	–	0	x
2_312	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	–	–	–	1	x
2_313	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	–	–	–	1	x
2_314	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	0	x
2_315	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	1	x
2_316	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	1	x
2_317	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_318	040809	–	–	Fine org detr	2	2	–	–	1	1	–	–	–	–	–	0	x
2_319	040809	–	–	Fine org detr	2	2	–	–	1	1	–	–	–	–	–	1	x
2_320	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.7	1	3	–
2_321	040809	–	–	Cobble	1	1	–	–	–	3	1	–	0.1	0.8	1	2	–
2_322	040809	–	–	Cobble	1	2	–	–	–	3	1	–	0.1	0.6	1	2	–
2_323	040809	–	–	Fine org detr	2	2	–	–	–	2	–	–	0.1	0.7	1	3	–
2_324	040809	–	–	Fine org detr	2	2	–	–	–	2	1	–	0.1	0.6	1	3	–
2_325	040809	–	–	Fine org detr	2	2	–	–	–	2	–	–	0.1	0.6	1	2	–
2_326	040809	–	–	Fine org detr	2	2	–	–	–	2	–	–	0.1	0.7	1	3	–
2_327	040809	–	–	Cobble	1	2	–	–	–	3	1	–	0.1	0.5	1	2	–
2_328	040809	–	–	Cobble	1	2	–	–	–	3	1	–	0.1	0.5	1	2	–
2_329	040809	–	–	Cobble	1	2	–	–	–	3	1	–	0.1	0.5	1	2	–
2_330	040809	–	–	Cobble	1	2	–	–	–	3	1	–	0.1	0.5	1	2	–
2_331	040809	–	–	Fine org detr	2	2	–	–	–	2	1	–	0.1	0.7	1	2	–
2_332	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.2	1.5	1	3	–
2_333	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	2	–
2_334	040809	1630760	6697939	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	1	–
2_335	section not investigated																

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_336	section not investigated																
2_337	section not investigated																
2_338	section not investigated																
2_339	section not investigated																
2_340	section not investigated																
2_341	section not investigated																
2_342	section not investigated																
2_343	section not investigated																
2_344	section not investigated																
2_345	section not investigated																
2_346	section not investigated																
2_347	section not investigated																
2_348	section not investigated																
2_349	section not investigated																
2_350	section not investigated																
2_351	section not investigated																
2_352	section not investigated																
2_353	section not investigated																
2_354	section not investigated																
2_355	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	0	x
2_356	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	0	x
2_357	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	2	x
2_358	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_359	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_360	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_361	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_362	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_363	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_364	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_365	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_366	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_367	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	–	–	–	2	x
2_368	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	–	–	–	2	x
2_369	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_370	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_371	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_372	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_373	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_374	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_375	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_376	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_377	040809	–	–	Fine org detr	1	3	–	1	–	–	–	–	–	–	–	2	x
2_378	040809	–	–	Fine org detr	1	3	–	1	–	–	–	–	–	–	–	2	x
2_379	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.1	0.8	1	3	–
2_380	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.1	0.8	1	3	–
2_381	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.1	0.8	1	3	–
2_382	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.1	0.8	1	3	–
2_383	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.1	0.9	1	3	–
2_384	040809	–	–	Fine org detr	1	3	–	–	–	2	–	–	–	–	–	2	x
2_385	040809	–	–	Fine org detr	1	3	–	–	–	2	–	–	–	–	–	2	x
2_386	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	–	–	–	2	x
2_387	040809	–	–	Fine org detr	2	3	–	–	–	2	1	–	–	–	–	2	x
2_388	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	–	–	–	2	x
2_389	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	–	–	–	3	x
2_390	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	3	x
2_391	040809	–	–	Fine org detr	2	3	–	–	–	1	1	–	–	–	–	2	x

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_392	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.2	1.0	1	3	–
2_393	040809	–	–	Fine org detr	1	3	–	–	–	1	2	–	0.1	0.9	1	2	–
2_394	040809	–	–	Fine org detr	1	3	–	–	–	1	1	–	0.1	0.6	1	2	–
2_395	040809	–	–	Fine org detr	1	2	–	–	–	2	1	–	0.1	0.6	1	2	–
2_396	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	0.6	1	1	–
2_397	040809	–	–	Fine org detr	1	3	–	–	–	1	1	–	0.1	0.6	1	1	–
2_398	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	0.7	1	2	–
2_399	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	0.7	1	3	–
2_400	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	0.7	1	3	–
2_401	040809	–	–	Fine org detr	1	2	–	–	–	1	1	–	0.2	0.8	1	2	–
2_402	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.8	1	2	–
2_403	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.4	1	3	–
2_404	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.4	1	2	–
2_405	040809	–	–	Fine org detr	1	2	–	–	–	2	–	–	0.1	0.5	1	2	–
2_406	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	–
2_407	040809	–	–	Fine org detr	1	3	–	–	–	1	1	–	0.1	0.8	1	2	–
2_408	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	0.8	1	2	–
2_409	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	1.0	1	1	–
2_410	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	0.5	1	1	–
2_411	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	1	x
2_412	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	1	x
2_413	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	1	x
2_414	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	1	x
2_415	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	2	x
2_416	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	2	x
2_417	040809	–	–	Fine org detr	1	3	–	1	–	2	–	–	0.1	0.8	1	1	–
2_418	040809	–	–	Fine org detr		3	–	2	1	–	–	–	0.1	1.0	1	1	–
2_419	040809	–	–	Fine org detr	1	3	–	2	–	–	–	–	0.1	1.0	1	2	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_420	040809	–	–	Fine org detr	1	3	–	2	–	–	–	–	0.1	1.1	1	2	–
2_421	040809	–	–	Fine org detr	2	3	–	–	1	–	–	–	0.2	1.1	1	2	–
2_422	040809	–	–	Fine org detr	2	2	–	–	1	–	–	–	0.1	0.6	1	2	–
2_423	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	–	–	–	2	x
2_424	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_425	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_426	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_427	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_428	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_429	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_430	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	2	x
2_431	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	2	x
2_432	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_433	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_434	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	3	x
2_435	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	2	x
2_436	040809	1630635	6697411	Coarse org detr	3	2	–	–	–	–	–	–	–	–	–	2	x
2_437	040809	–	–	Fine org detr	2	3	–	–	–	–	1	–	0.1	2.0	1	2	–
2_438	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.1	2.0	1	2	–
2_439	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.1	2.0	1	1	–
2_440	040809	–	–	Fine org detr	2	3	–	–	–	2	–	–	0.1	2.0	1	1	–
2_441	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	–	–	–	1	x
2_442	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	1	x
2_443	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	1	x
2_444	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	1	x
2_445	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	2.0	1	1	–
2_446	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	2.0	1	0	–
2_447	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	2.0	1	0	–

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_448	040809	–	–	Fine org detr	1	3	–	–	–	1	–	–	0.1	2.0	1	0	–
2_449	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.1	2.5	1	1	–
2_450	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.5	2.5	1	2	–
2_451	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.4	2.5	1	2	–
2_452	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.4	2.5	1	2	–
2_453	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	0.2	2.5	1	3	–
2_454	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.2	2.0	1	2	–
2_455	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.2	2.5	1	3	–
2_456	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	2.5	1	3	–
2_457	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	2.0	1	2	–
2_458	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.1	2.0	1	2	–
2_459	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.1	2.0	1	2	–
2_460	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	2.0	1	2	–
2_461	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.5	1	1	–
2_462	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	0.1	1.5	1	0	–
2_463	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.2	1.5	1	2	–
2_464	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.2	1.3	1	2	–
2_465	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	1.4	1	2	–
2_466	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.3	1.4	1	2	–
2_467	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.3	1.4	1	2	–
2_468	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.2	1.4	1	2	–
2_469	040809	–	–	Coarse org detr	3	2	–	–	–	–	–	–	0.1	1.0	1	1	–
2_470	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	0.8	1	1	–
2_471	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	0.7	1	1	–
2_472	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	0.1	0.7	1	1	–
2_473	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_474	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_475	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x

Sect. no	Date	X	Y	Dom. substr	Coarse org detr	Fine org detr	Clay	Sand	Gravel	Cobble	Boulder	Bed-rock	Depth	Width	Velocity	Shading	Dry sect.
2_476	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_477	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_478	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_479	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	0	x
2_480	040809	–	–	Fine org detr	2	3	–	–	–	1	–	–	–	–	–	2	x
2_481	040809	–	–	Fine org detr	2	3	–	–	–	–	–	–	–	–	–	2	x
2_482	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	2	x
2_483	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	1	x
2_484	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_485	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_486	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_487	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	1	x
2_488	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	1	x
2_489	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_490	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_491	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_492	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
2_493	040809	–	–	Fine org detr	1	3	–	–	–	–	–	–	–	–	–	0	x
8_1	040907	–	–	fine org mtrl	1	3	2	–	–	–	1	–	0.4	1.3	1	0	–
8_2	040907	–	–	fine org mtrl	1	3	2	–	–	–	–	–	0.4	1.3	1	0	–
8_3	040907	–	–	fine org mtrl	2	2	2	–	1	1	–	–	0.3	3.5	1	2	–

Appendix 2

Vegetation in rivers of the Forsmark area

For classification of abundance and species distribution, see Methods.

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_1	–	–	–	–
1_2	–	–	–	–
1_3	–	–	–	–
1_4	2	Iris pseudacorus2	3	Phragmites australis3, Iris pseudacorus2
1_5	2	Iris pseudacorus2	3	Phragmites australis3, Iris pseudacorus2
1_6	2	Iris pseudacorus2	3	Carex elata3
1_7	2	Sparganium sp.2	3	Carex elata3
1_8	3	Iris pseudacorus1, Sparganium sp.3	3	Lysimachia thyrsiflora2, Alnus glutinosa1
1_9	3	Iris pseudacorus1, Sparganium sp.3	3	Lysimachia thyrsiflora2, Alnus glutinosa1, Iris pseudacorus2
1_10	3	Iris pseudacorus3, Sparganium sp.4, Lysimachia thyrsiflora1	2	Alnus glutinosa1
1_11	dry		4–5	Ranunculus repens, Ranunculus aquatilis var. Diffusus5, Lysimachia thyrsiflora2, Fontinalis antipyretica5
1_12	dry		4–5	Ranunculus repens, Ranunculus aquatilis var. Diffusus5, Lysimachia thyrsiflora2, Fontinalis antipyretica5
1_13	dry		4–5	Carex elata3, Peusedanum palustre2, Alisma plantago–aquatica2, Lysimachia thyrsiflora2, Caltha palustris1, Fontinalis antipyretica3
1_14	dry		2–3	Callitriche sp.1, Caltha palustris1, Lysimachia thyrsiflora1, Fontinalis antipyretica3
1_15	dry		4	Fontinalis antipyretica5
1_16	dry		4	Fontinalis antipyretica5
1_17	dry		4	Alisma plantago–aquatica1, Phalaris arundinacea5, Ranunculus repens, Lysimachia thyrsiflora3, Cardamine pratensis ssp. palustris1, Lycopus europaeus1, Fontinalis antipyretica5, Myosotis laxa5
1_18	dry		4	Alisma plantago–aquatica1, Phalaris arundinacea5, Ranunculus repens, Lysimachia thyrsiflora3, Cardamine pratensis ssp. palustris1, Lycopus europaeus1, Fontinalis antipyretica5, Myosotis laxa5
1_19	dry		4–5	Alisma plantago–aquatica1, Phalaris arundinacea5, Ranunculus repens, Lysimachia thyrsiflora3, Cardamine pratensis ssp. palustris1, Lycopus europaeus1, Fontinalis antipyretica5, Myosotis laxa5

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_20	dry		3–5	Callitriche sp.2, Lysimachia thyrsiflora1, Caltha palustris3, Fontinalis antipyretica5, Sparganium sp.3
1_21	dry		3–5	Callitriche sp.2, Lysimachia thyrsiflora1, Caltha palustris3, Fontinalis antipyretica5, Sparganium sp.3
1_22	dry		3–5	Callitriche sp.2, Lysimachia thyrsiflora1, Caltha palustris3, Fontinalis antipyretica5, Sparganium erectum2
1_23	dry		3–5	Callitriche sp.2, Lycopus europaeus2, Phalaris arundinacea4, Fontinalis antipyretica5
1_24	dry		3–5	Callitriche sp.2, Lycopus europaeus2, Phalaris arundinacea4, Fontinalis antipyretica5
1_25	dry		3–5	Carex elata3, Potentilla palustris1, Phalaris arundinacea4, Fontinalis antipyretica5, Batrachospermum sp.5
1_26	dry		3–5	Carex elata3, Potentilla palustris1, Phalaris arundinacea4, Fontinalis antipyretica5, Batrachospermum sp.5
1_27	dry		dry	
1_28	dry		3–5	Fontinalis antipyretica3
1_29	dry		3–5	Fontinalis antipyretica3
1_30	dry		3–5	Fontinalis antipyretica3
1_31	1		3–5	Fontinalis antipyretica3
1_32	1		3–5	Fontinalis antipyretica3, Myriophyllum spicatum3
1_33	3	Schoenoplectus lacustris4, Phragmites australis4, Myriophyllum spicatum3	3–5	Fontinalis antipyretica3, Myriophyllum spicatum3
1_34	3	Phragmites australis4, Myriophyllum spicatum3, Schoenoplectus lacustris2	3–5	Myriophyllum spicatum3, Phragmites australis2, Schoenoplectus lacustris2
1_35	3	Myriophyllum spicatum4, Carex rostrata4	2	Potentilla palustris2
1_36	3	Carex acuta3, Myriophyllum spicatum2, Phragmites australis4, Salix sp. sp.3, Potentilla palustris2	3–5	Carex acuta3, Carex rostrata4, Myriophyllum spicatum2, Phragmites australis4, Salix sp.3, Potentilla palustris2
1_37	3	Carex acuta3, Myriophyllum spicatum2, Phragmites australis4, Salix sp.3, Potentilla palustris2	3–5	Carex acuta3, Myriophyllum spicatum2, Phragmites australis4, Salix sp.3, Potentilla palustris2
1_38	3	Hydrocharis morsus–ranae2, Lysimachia thyrsiflora1, Myriophyllum spicatum3	2–5	Hydrocharis morsus–ranae2, Lysimachia thyrsiflora1, Myriophyllum spicatum3
1_39	3	Carex elata2, Menyanthes trifoliata2, Phragmites australis4, Carex rostrata5, Salix sp.3	3–5	Carex elata2, Menyanthes trifoliata2, Phragmites australis4, Carex rostrata5, Salix sp.3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_40	3	Carex elata2, Menyanthes trifoliata2, Phragmites australis4, Carex rostrata5, Salix sp.3	3–5	Carex elata2, Menyanthes trifoliata2, Phragmites australis4, Carex rostrata5, Salix sp.3
1_41	3	Sparganium sp.3, Hydrocharis morsus–ranae4, Hippuris vulgaris1	3–5	Sparganium sp.3, Hydrocharis morsus–ranae4, Hippuris vulgaris1
1_42	3	Sparganium sp.3, Hydrocharis morsus–ranae4	3–5	Sparganium sp.3, Hydrocharis morsus–ranae4
1_43	3	Sparganium sp.3, Hydrocharis morsus–ranae2	2–5	Sparganium sp.3, Hydrocharis morsus–ranae2
1_44	3	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2	2–5	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2
1_45	3	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2	2–5	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2
1_46	3	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2	2–5	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2
1_47	3	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2	2–5	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2
1_48	2	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2, Lysimachia thyrsiflora4	3–5	Sparganium sp.3, Hydrocharis morsus–ranae2, Potentilla palustris2, Lysimachia thyrsiflora4
1_49	2	Lysimachia thyrsiflora4, Sparganium sp.4, Hydrocharis morsus–ranae2	3–5	Lysimachia thyrsiflora4, Sparganium sp.4, Hydrocharis morsus–ranae2
1_50	2	Lysimachia thyrsiflora4, Sparganium sp.4, Lemna minor2	3–5	Lysimachia thyrsiflora4, Sparganium sp.4
1_51	2	Lysimachia thyrsiflora4, Sparganium sp.4, Lemna minor2	3–5	Lysimachia thyrsiflora4, Sparganium sp.4
1_52	3	Lysimachia thyrsiflora4, Sparganium sp.4, Lemna minor2	3–5	Lysimachia thyrsiflora4, Sparganium sp.4, Lycopus europaeus1
1_53	2	Lysimachia thyrsiflora1, Sparganium sp.5, Nymphaeaceae4	3–5	Lysimachia thyrsiflora1, Sparganium sp.5, Nymphaeaceae4
1_54	2	Lysimachia thyrsiflora1, Sparganium sp.5, Nymphaeaceae4	3–5	Lysimachia thyrsiflora1, Sparganium sp.5, Nymphaeaceae4
1_55	3	Lysimachia thyrsiflora1, Sparganium sp.5, Nymphaeaceae4	3–5	Lysimachia thyrsiflora1, Sparganium sp.5, Nymphaeaceae4
1_56	2	Phragmites australis1, Sparganium sp.5, Nymphaeaceae3, Fontinalis sp.3	3–5	Phragmites australis1, Sparganium sp.5, Nymphaeaceae3, Fontinalis sp.3
1_57	3	Phragmites australis1, Sparganium sp.5, Nymphaeaceae4, Fontinalis sp.3	3–5	Phragmites australis1, Sparganium sp.5, Nymphaeaceae4, Fontinalis sp.3
1_58	3	Phragmites australis1, Sparganium sp.5, Nymphaeaceae2	3–5	Phragmites australis1, Sparganium sp.5, Nymphaeaceae2
1_59	3	Sparganium sp.5, Hydrocharis morsus–ranae2, Hippuris vulgaris2, Ranunculus repens	2–5	Sparganium sp.5, Hydrocharis morsus–ranae2, Hippuris vulgaris2, Ranunculus repens
1_60	4	Lysimachia thyrsiflora1, Sparganium sp.5	2–5	Lysimachia thyrsiflora1, Sparganium sp.5
1_61	4	Phragmites australis1, Sparganium sp.5, Nymphaeaceae2	3–5	Phragmites australis1, Sparganium sp.5, Nymphaeaceae2
1_62	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum4	3–5	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum4
1_63	4	Phragmites australis4, Hydrocharis morsus–ranae3, Lemna minor4, Myriophyllum spicatum4	3–5	Phragmites australis4, Hydrocharis morsus–ranae3, Lemna minor4, Myriophyllum spicatum4

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_64	5	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum4	3–5	Phragmites australis4, Myriophyllum spicatum4
1_65	5	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2	3–5	Phragmites australis4, Myriophyllum spicatum4, Sparganium sp.3, Lysimachia thyrsiflora2
1_66	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum4	3–5	Phragmites australis4, Myriophyllum spicatum4, Sparganium sp.3
1_67	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum4	3–5	Phragmites australis4, Myriophyllum spicatum4
1_68	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2	3–5	Phragmites australis4, Myriophyllum spicatum4
1_69	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2	3–5	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2
1_70	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2	3–5	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2
1_71	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2	3–5	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2
1_72	4	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2	3–5	Phragmites australis4, Hydrocharis morsus–ranae3, Myriophyllum spicatum2
1_73	5	Phragmites australis4, Hydrocharis morsus–ranae5, Lemna minor2, Myriophyllum spicatum2	3–5	Phragmites australis4, Hydrocharis morsus–ranae5, Myriophyllum spicatum2
1_74	5	Phragmites australis4, Hydrocharis morsus–ranae5, Lemna minor2, Myriophyllum spicatum2	3–5	Phragmites australis4, Hydrocharis morsus–ranae5, Myriophyllum spicatum2
1_75	4	Phragmites australis4, Hydrocharis morsus–ranae4, Lemna minor4, Myriophyllum spicatum4	3–5	Phragmites australis4, Hydrocharis morsus–ranae4, Myriophyllum spicatum4
1_76	4	Phragmites australis4, Hydrocharis morsus–ranae2, Lemna minor2, Myriophyllum spicatum4	3–5	Phragmites australis4, Hydrocharis morsus–ranae4, Myriophyllum spicatum4
1_77	4	Phragmites australis4, Hydrocharis morsus–ranae2, Lemna minor2, Myriophyllum spicatum4	3–5	Phragmites australis4, Hydrocharis morsus–ranae4, Myriophyllum spicatum4
1_78	4	Phragmites australis4, Hydrocharis morsus–ranae2, Lemna minor2, Myriophyllum spicatum4	3–5	Phragmites australis4, Hydrocharis morsus–ranae4, Myriophyllum spicatum4
1_79	3	Phragmites australis4, Hydrocharis morsus–ranae4, Lemna minor2	3–5	Phragmites australis4, Hydrocharis morsus–ranae4, Lemna minor2
1_80	4	Sparganium sp.3, Hydrocharis morsus–ranae4, Hippuris vulgaris1	2–5	Sparganium sp.3, Hydrocharis morsus–ranae4, Hippuris vulgaris1
1_81	5	Sparganium sp.5, Hydrocharis morsus–ranae2, Hippuris vulgaris4, Ranunculus repens	2–5	Sparganium sp.5, Hydrocharis morsus–ranae2, Hippuris vulgaris4, Ranunculus repens

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_82	4	Lysimachia thyrsiflora1, Sparganium sp.5	2–5	Lysimachia thyrsiflora1, Sparganium sp.5
1_83	4	Phragmites australis1, Sparganium sp.5, Nymphaeaceae2	2–5	Phragmites australis1, Sparganium sp.5, Nymphaeaceae2
1_84	5	Phragmites australis4, Carex acuta3, Sparganium sp.5, Potentilla palustris1	2–5	Phragmites australis4, Carex acuta3, Sparganium sp.5, Potentilla palustris1
1_85	4	Phragmites australis4, Carex acuta4, Hydrocharis morsus–ranae1, Potentilla palustris2	2–5	Phragmites australis4, Carex acuta4, Hydrocharis morsus–ranae1, Potentilla palustris2
1_86	4	Carex acuta3, Sparganium sp.4, Carex rostrata3, Iris pseudacorus3	2–5	Carex acuta3, Sparganium sp.4, Carex rostrata3, Iris pseudacorus3
1_87	4	Phragmites australis1, Nymphaeaceae4, Caltha palustris1, Equisetum fluviatile4	2–5	Phragmites australis1, Nymphaeaceae4, Caltha palustris1, Equisetum fluviatile4
1_88	dry		2–5	Fontinalis sp.3, Sparganium sp.3
1_89	4	Sparganium sp.4, Nymphaeaceae4, Fontinalis dalecarlica, Fontinalis antipyretica5	2–5	Sparganium sp.4, Nymphaeaceae4, Fontinalis dalecarlica, Fontinalis antipyretica5
1_90	4	Carex acuta4, Sparganium sp.4, Nymphaeaceae4, Fontinalis dalecarlica, Fontinalis antipyretica3, Ranunculus repens	3–5	Carex acuta4, Sparganium sp.4, Nymphaeaceae4, Fontinalis dalecarlica, Fontinalis antipyretica3, Ranunculus repens
1_91	4	Carex acuta4, Sparganium sp.4, Nymphaeaceae4, Potentilla palustris1	2–5	Carex acuta4, Sparganium sp.4, Nymphaeaceae4, Potentilla palustris1
1_92	5	Lysimachia thyrsiflora1, Sparganium sp.4, Nymphaeaceae4	2–5	Lysimachia thyrsiflora1, Sparganium sp.4, Nymphaeaceae4
1_93	4	Carex acuta3, Sparganium sp.5, Fontinalis dalecarlica, Fontinalis antipyretica3, Potentilla palustris2	2–5	Carex acuta3, Sparganium sp.5, Fontinalis dalecarlica, Fontinalis antipyretica3, Potentilla palustris2
1_94	5	Phragmites australis4, Lysimachia thyrsiflora1, Sparganium sp.5, Hydrocharis morsus–ranae1, Nymphaeaceae4	2–5	Phragmites australis4, Lysimachia thyrsiflora1, Sparganium sp.5, Hydrocharis morsus–ranae1, Nymphaeaceae4
1_95	5	Carex acuta3, Lysimachia thyrsiflora1, Sparganium sp.4, Nymphaeaceae4	3–5	Carex acuta3, Lysimachia thyrsiflora1, Sparganium sp.4, Nymphaeaceae4
1_96	4	Typha angustifolia1, Carex acuta4, Hydrocharis morsus–ranae1	2–5	Typha angustifolia1, Carex acuta4, Hydrocharis morsus–ranae1
1_97	5	Potamogeton polygonifolius3, Carex acuta4, Carex vesicaria3, Sparganium sp.3	2–5	Potamogeton polygonifolius3, Carex acuta4, Carex vesicaria3, Sparganium sp.3
1_98	5	Potamogeton polygonifolius3, Carex acuta4, Carex vesicaria3, Lysimachia thyrsiflora1	2–5	Potamogeton polygonifolius3, Carex acuta4, Carex vesicaria3, Lysimachia thyrsiflora1
1_99	5	Lycopus europaeus1, Carex acuta3, Galium palustre5	2–5	Lycopus europaeus1, Carex acuta3, Galium palustre5
1_100	4	Phragmites australis4, Potamogeton polygonifolius3, Lycopus europaeus2	2–5	Phragmites australis4, Potamogeton polygonifolius3, Lycopus europaeus2
1_101	5	Phragmites australis5	4–5	Phragmites australis5

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_102	5	Phragmites australis5	4–5	Phragmites australis5
1_103	5	Phragmites australis5	4–5	Phragmites australis5
1_104	5	Phragmites australis5	4–5	Phragmites australis5
1_105	5	Phragmites australis4, Typha angustifolia4	3–5	Phragmites australis4, Typha angustifolia4
1_106	5	Phragmites australis4, Typha angustifolia4	3–5	Phragmites australis4, Typha angustifolia4
1_107	5	Phragmites australis4, Typha angustifolia4	3–5	Phragmites australis4, Typha angustifolia4
1_108	5	Phragmites australis4, Typha angustifolia4	3–5	Phragmites australis4, Typha angustifolia4
1_109	5	Phragmites australis4, Typha angustifolia4	3–5	Phragmites australis4, Typha angustifolia4
1_110	dry		2–5	Carex acuta4, Phragmites australis2
1_111	dry		2–5	Carex acuta4, Phragmites australis2
1_112	dry		2–5	Carex acuta4, Phragmites australis2
1_113	dry		3	Fontinalis antipyretica, Caltha palustris2, Ranunculus repens, Sium latifolium, Hydrocharis morsus–ranae3, Lycopus europaeus1, Equisetum fluviatile1
1_114	dry		3	Fontinalis antipyretica, Caltha palustris2, Ranunculus repens, Sium latifolium, Hydrocharis morsus–ranae3, Lycopus europaeus1, Equisetum fluviatile1
1_115	dry		3	Fontinalis antipyretica, Caltha palustris2, Ranunculus repens, Sium latifolium, Hydrocharis morsus–ranae3, Lycopus europaeus1, Equisetum fluviatile1
1_116	dry		3	Fontinalis antipyretica, Caltha palustris2, Ranunculus repens, Sium latifolium, Hydrocharis morsus–ranae3, Lycopus europaeus1, Equisetum fluviatile1
1_117	dry		3–5	Fontinalis antipyretica, Caltha palustris2, Ranunculus repens, Sium latifolium, Hydrocharis morsus–ranae3, Lycopus europaeus1, Equisetum fluviatile1
1_118	dry		3–5	Fontinalis antipyretica4, Carex elata3, Peusedanum palustre1, Lysimachia thyrsiflora1, Lycopus europaeus1, Equisetum fluviatile1
1_119	dry		3–5	Fontinalis antipyretica4, Carex elata3, Peusedanum palustre1, Lysimachia thyrsiflora1, Lycopus europaeus1, Equisetum fluviatile1
1_120	dry		3–5	Fontinalis antipyretica4, Carex elata3, Peusedanum palustre1, Lysimachia thyrsiflora1, Lycopus europaeus1, Equisetum fluviatile1
1_121	dry		3–5	Fontinalis antipyretica4, Carex elata3, Peusedanum palustre1, Lysimachia thyrsiflora1, Lycopus europaeus1, Equisetum fluviatile1
1_122	dry		3–5	Fontinalis antipyretica4, Peusedanum palustre1, Phragmites australis1
1_123	dry		3–5	Fontinalis antipyretica4, Myosotis laxa3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_124	dry		3–5	Eriophorum angustifolium1, Potamogeton polygonifolius4, Equisetum fluviatile2, Carex acuta5, Carex elata5, Cardamine pratensis ssp. palustris2, Menyanthes trifoliata3
1_125	dry		3–5	Eriophorum angustifolium1, Potamogeton polygonifolius4, Equisetum fluviatile2, Carex acuta5, Carex elata5, Cardamine pratensis ssp. palustris2, Menyanthes trifoliata3
1_126	dry		3–5	Eriophorum angustifolium1, Potamogeton polygonifolius4, Equisetum fluviatile2, Carex acuta5, Carex elata5, Cardamine pratensis ssp. palustris2, Menyanthes trifoliata3
1_127	dry		3–5	Eriophorum angustifolium1, Potamogeton polygonifolius4, Equisetum fluviatile2, Carex acuta5, Carex elata5, Cardamine pratensis ssp. palustris2, Menyanthes trifoliata3
1_128	dry		3–5	Eriophorum angustifolium1, Potamogeton polygonifolius4, Equisetum fluviatile2, Carex acuta5, Carex elata5, Cardamine pratensis ssp. palustris2, Menyanthes trifoliata3
1_129	dry		3–5	Eriophorum angustifolium1, Potamogeton polygonifolius4, Equisetum fluviatile2, Carex acuta5, Carex elata5, Cardamine pratensis ssp. palustris2, Menyanthes trifoliata3
1_130	dry		3–5	Eriophorum angustifolium1, Potamogeton polygonifolius4, Equisetum fluviatile2, Carex acuta5, Carex elata5, Cardamine pratensis ssp. palustris2, Menyanthes trifoliata3
1_131	dry		3–5	Myosotis laxa4, Alisma plantago–aquatica2, Caltha palustris2, Lycopus europaeus2, Equisetum fluviatile2, Phragmites australis3, Ranunculus repens
1_132	dry		3–5	Myosotis laxa4, Alisma plantago–aquatica2, Caltha palustris2, Lycopus europaeus2, Equisetum fluviatile2, Phragmites australis3, Ranunculus repens
1_133	dry		3–5	Myosotis laxa4, Alisma plantago–aquatica2, Caltha palustris2, Lycopus europaeus2, Equisetum fluviatile2, Phragmites australis3, Ranunculus repens
1_134	dry		3–5	Myosotis laxa4, Alisma plantago–aquatica2, Caltha palustris2, Lycopus europaeus2, Equisetum fluviatile2, Phragmites australis3, Ranunculus repens
1_135	dry		3–5	Myosotis laxa4, Alisma plantago–aquatica2, Caltha palustris2, Lycopus europaeus2, Equisetum fluviatile2, Phragmites australis3, Ranunculus repens
1_136	dry		3–5	Myosotis laxa4, Alisma plantago–aquatica2, Caltha palustris2, Lycopus europaeus2, Equisetum fluviatile2, Phragmites australis3, Ranunculus repens
1_137	dry		3–5	Myosotis laxa4, Alisma plantago–aquatica2, Caltha palustris2, Lycopus europaeus2, Equisetum fluviatile2, Phragmites australis3, Ranunculus repens

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_138	dry		1	
1_139	dry		1	
1_140	dry		1	
1_141	dry		3	Caltha palustris1, Equisetum fluviatile2
1_142	dry		2	Myosotis laxa1
1_143	dry		2	Lysimachia thyrsiflora1
1_144	dry		3	Batrachospermum sp.3
1_145	dry		4	Batrachospermum sp.4
1_146	dry		4	Batrachospermum sp.4
1_147	dry		3	Fontinalis antipyretica3
1_148	dry		3	Fontinalis antipyretica3
1_149	dry		3	Fontinalis antipyretica3
1_150	dry		3	Fontinalis antipyretica3
1_151	dry		3	Fontinalis antipyretica3
1_152	dry		3	Fontinalis antipyretica3
1_153	dry		3	Fontinalis antipyretica3
1_154	dry		3	Fontinalis antipyretica3
1_155	dry		3	Fontinalis antipyretica3
1_156	dry		3	Fontinalis antipyretica3
1_157	dry		3	Fontinalis antipyretica3, Caltha palustris1
1_158	dry		3	Fontinalis antipyretica3
1_159	dry		3	Fontinalis antipyretica3
1_160	dry		3	Fontinalis antipyretica3
1_161	dry		3	Fontinalis antipyretica3
1_162	dry		3	Fontinalis antipyretica3, Callitriche sp.1
1_163	dry		3	Fontinalis antipyretica3, Callitriche sp.1
1_164	dry		3	Fontinalis antipyretica3
1_165	dry		2–5	Fontinalis sp.3
1_166	dry		3–5	Fontinalis sp.3, Callitriche sp.2

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_167	dry		3–5	Fontinalis sp.5, Callitriche sp.2, Alisma plantago–aquatica1
1_168	dry		3–5	Fontinalis sp.3, Callitriche sp.3, Alisma plantago–aquatica1, Myosotis laxa4, Filipendula ulmaria2, Sparganium sp.4, Ranunculus aquatilis var. Diffusus1
1_169	dry		4	Fontinalis sp.3, Callitriche sp.3, Alisma plantago–aquatica1, Myosotis laxa4, Filipendula ulmaria2, Sparganium sp.4, Ranunculus aquatilis var. Diffusus1
1_170	dry		5	Fontinalis antipyretica3, Callitriche sp.4, Myosotis laxa3, Alisma plantago–aquatica2, Ranunculus aquatilis var. Diffusus4, Lysimachia thyrsiflora2, Ranunculus flammula3, Lycopus europaeus2, Caltha palustris2, Cardamine pratensis ssp. Palustris1
1_171	dry		5	Fontinalis antipyretica3, Callitriche sp.4, Myosotis laxa3, Alisma plantago–aquatica2, Ranunculus aquatilis var. Diffusus4, Lysimachia thyrsiflora2, Ranunculus flammula3, Lycopus europaeus2, Caltha palustris2, Cardamine pratensis ssp. Palustris1
1_172	2	Hydrocharis morsus–ranae	2–5	Fontinalis antipyretica3, Caltha palustris2
1_173	2	Hydrocharis morsus–ranae	2–5	Fontinalis antipyretica3, Caltha palustris2
1_174	5	Carex elata, Sparganium sp., Ranunculus flammula	3–5	Fontinalis sp.3, Callitriche sp.3, Myosotis laxa3, Alisma plantago–aquatica2, Sparganium sp.3, Carex elata3, Lysimachia thyrsiflora2, Caltha palustris2, Hydrocharis morsus–ranae2, Potamogeton polygonifolius3, Glyceria maxima2
1_175	5	Carex elata, Sparganium sp., Alisma plantago–aquatica, Carex rostrata, Potamogeton polygonifolius	3–5	Fontinalis sp.3, Callitriche sp.3, Myosotis laxa3, Alisma plantago–aquatica2, Sparganium sp.3, Carex elata3, Lysimachia thyrsiflora2, Caltha palustris2, Hydrocharis morsus–ranae2, Potamogeton polygonifolius3, Glyceria maxima2
1_176	5	Alisma plantago–aquatica, Carex rostrata, Lysimachia thyrsiflora, Ranunculus flammula	3–5	Fontinalis sp.3, Alisma plantago–aquatica2, Filipendula ulmaria1, Sparganium sp.3, Carex elata3, Lysimachia thyrsiflora2, Lycopus europaeus1, Caltha palustris1, Potamogeton polygonifolius4, Glyceria maxima2, Ranunculus repens1
1_177	5	Sparganium sp., Carex rostrata	3–5	Fontinalis sp.3, Alisma plantago–aquatica2, Filipendula ulmaria1, Sparganium sp.3, Carex elata3, Lysimachia thyrsiflora2, Lycopus europaeus1, Caltha palustris1, Potamogeton polygonifolius4, Glyceria maxima2, Ranunculus repens1
1_178	5	Carex elata, Sparganium sp., Carex rostrata	3–5	Fontinalis sp.3, Alisma plantago–aquatica2, Filipendula ulmaria1, Sparganium sp.3, Carex elata3, Lysimachia thyrsiflora2, Lycopus europaeus1, Caltha palustris1, Potamogeton polygonifolius4, Glyceria maxima2, Ranunculus repens1

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_179	5	Equisetum fluviatile, Carex elata, Sparganium sp., Alisma plantago–aquatica	3–5	Fontinalis antipyretica4, Carex elata3, Lysimachia thyrsiflora1, Ranunculus flammula2, Lycopus europaeus2
1_180	5	Equisetum fluviatile, Carex elata	3–5	Fontinalis antipyretica4, Lysimachia thyrsiflora1, Ranunculus flammula2, Lycopus europaeus2
1_181	4	Equisetum fluviatile, Carex elata	3–5	Callitriche sp.3, Sparganium sp.5, Lysimachia thyrsiflora2, Caltha palustris1, Potamogeton polygonifolius3, Equisetum fluviatile2
1_182	5	Equisetum fluviatile, Carex elata	3–5	Fontinalis antipyretica3, Callitriche sp.1, Alisma plantago–aquatica3, Potamogeton polygonifolius4, Equisetum fluviatile3, Thelypteris palustris2, Juncus sp.4
1_183	5	Equisetum fluviatile, Sparganium sp.	3–5	Fontinalis sp.3, Callitriche sp.1, Alisma plantago–aquatica3, Carex elata4, Potamogeton polygonifolius4, Thelypteris palustris2, Juncus sp.4
1_184	4	Equisetum fluviatile	2–5	Carex elata4, Potamogeton polygonifolius3
1_185	5	Equisetum fluviatile, Carex elata	2–5	Potamogeton polygonifolius3
1_186	5	Equisetum fluviatile, Carex elata, Iris pseudacorus	2–5	Sparganium sp.3
1_187	4	Equisetum fluviatile, Carex elata	2–5	Equisetum fluviatile2, Carex elata3
1_188	4	Equisetum fluviatile, Carex elata	2–5	Equisetum fluviatile2, Carex elata3
1_189	5	Equisetum fluviatile	2–5	Potamogeton polygonifolius3, Equisetum fluviatile4
1_190	5	Equisetum fluviatile, Iris pseudacorus, Sparganium sp.	2–5	Potamogeton polygonifolius3, Equisetum fluviatile4
1_191	5	Equisetum fluviatile, Phragmites australis	2–5	Phragmites australis4, Sparganium sp.2
1_192	5	Phragmites australis, Carex rostrata, Rhododendron tomentosum Harmaja	2–5	Schoenoplectus lacustris3, Phragmites australis2
1_193	5	Phragmites australis, Carex rostrata, Potentilla palustris	3–5	Carex elata3, Carex rostrata4, Lycopus europaeus3, Lysimachia thyrsiflora2, Equisetum fluviatile4
1_194	dry		2–4	Phragmites australis2
1_195	dry		2–4	Phragmites australis2
1_196	dry		2–4	Phragmites australis2
1_197	dry		3–5	Lycopus europaeus3, Carex elata3, Lysimachia thyrsiflora2, Equisetum fluviatile4, Phragmites australis2
1_198	dry		3–5	Lycopus europaeus3, Carex elata3, Lysimachia thyrsiflora2, Equisetum fluviatile4
1_199	dry		3–5	Lycopus europaeus1, Carex elata4, Lysimachia thyrsiflora2, Equisetum fluviatile2

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_200	dry		3–5	Lycopus europaeus1, Carex elata4, Lysimachia thyrsiflora2, Equisetum fluviatile2
1_201	dry		3–5	Lycopus europaeus1, Carex elata4, Lysimachia thyrsiflora2, Equisetum fluviatile2
1_202	dry		1	
1_203	dry		1	
1_204	dry		2–4	Potamogeton polygonifolius2, Callitriche sp.2, Ranunculus repens2, Lycopus europaeus2, Carex elata3, Peusedanum palustre1
1_205	dry		2–4	Potamogeton polygonifolius2, Callitriche sp.2, Ranunculus repens2, Lycopus europaeus2, Carex elata3, Peusedanum palustre1
1_206	dry		2–4	Potamogeton polygonifolius2, Callitriche sp.2, Ranunculus repens2, Lycopus europaeus2, Peusedanum palustre1
1_207	dry		2–4	Potamogeton polygonifolius2, Callitriche sp.2, Ranunculus repens2, Lycopus europaeus2, Carex elata3, Peusedanum palustre1
1_208	dry		2–5	Potamogeton polygonifolius2, Callitriche sp.2, Ranunculus repens2, Lycopus europaeus2, Carex elata3, Peusedanum palustre1
1_209	4	Carex rostrata, Menyanthes trifoliata, Glyceria maxima, Lycopus europaeus	2–5	Callitriche sp.2, Carex elata3, Alisma plantago–aquatica2
1_210	5	Carex elata, Menyanthes trifoliata, Ranunculus flammula	2–5	Alisma plantago–aquatica2, Callitriche sp.2, Lysimachia thyrsiflora2, Sparganium sp.4
1_211	5	Carex elata, Menyanthes trifoliata, Ranunculus flammula	2–5	Alisma plantago–aquatica2, Lysimachia thyrsiflora2
1_212	5	Sparganium erectum, Carex rostrata, Lysimachia thyrsiflora	2–5	Carex elata3, Potentilla palustris2
1_213	5	Carex rostrata	2–5	Sparganium sp.3
1_214	5	Carex elata, Sparganium erectum, Carex rostrata	2–5	Phragmites australis4
1_215	5	Phragmites australis, Carex elata, Sparganium erectum	2–5	Menyanthes trifoliata5, Ranunculus flammula4, Alisma plantago–aquatica2, Lysimachia thyrsiflora2, Sparganium sp.4
1_216	5	Phragmites australis, Carex elata	2–5	Menyanthes trifoliata5, Ranunculus flammula4, Alisma plantago–aquatica2, Lysimachia thyrsiflora2, Sparganium sp.4
1_217	5	Phragmites australis, Carex elata	2–5	Potentilla palustris2, Phragmites australis4
1_218	5	Phragmites australis, Carex sp.	2–4	Potentilla palustris2
1_219	5	Phragmites australis, Carex sp.	2–5	Phragmites australis4, Carex sp.3
1_220	5	Phragmites australis, Carex sp.	2–5	Phragmites australis4, Carex sp.3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
1_221	5	Phragmites australis, Carex sp.	2–5	Phragmites australis4, Carex sp.3
1_222	5	Phragmites australis, Carex sp.	2–5	Phragmites australis4, Carex sp.3, Potentilla palustris1
2_1	2	Mentha arvensis3	1	
2_2	2	Fontinalis antipyretica3	1	
2_3	2	Fontinalis antipyretica3	2	Fontinalis antipyretica3
2_4	2	Fontinalis antipyretica3	2	Sparganium sp.2, Fontinalis antipyretica3
2_5	2	Fontinalis antipyretica3	2	Sparganium sp.2, Fontinalis antipyretica3
2_6	2	Fontinalis antipyretica3	2	Sparganium sp.2, Fontinalis antipyretica3
2_7	2	Alisma plantago–aquatica2, Sparganium sp.2, Ranunculus aquatilis var. Diffusus2	2	Sparganium sp.2
2_8	1		1	
2_9	1		1	
2_10	2	Alisma plantago–aquatica2	1	
2_11	1		1	
2_12	1		2	Caltha palustris1, Fontinalis antipyretica3
2_13	1		2	Fontinalis antipyretica3
2_14	1		1	
2_15	1		1	
2_16	1		1	
2_17	1		2	Sparganium sp.2
2_18	1		2	Sparganium sp.2, Carex elata3
2_19	1		1	
2_20	1		1	
2_21	1		1	
2_22	1		1	
2_23	1		1	
2_24	1		1	
2_25	1		1	
2_26	1		1	

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_27	1		1	
2_28	1		1	
2_29	2	Sparganium sp.2	1	
2_30			1	
2_31	1		1	
2_32	1		1	
2_33	1		1	
2_34	1		1	
2_35	1		1	
2_36	1		1	
2_37	1		1	
2_38	2	Glyceria fluitans2, Sparganium sp.4	1	
2_39	1		1	
2_40	1		1	
2_41	3	Glyceria fluitans3, Sparganium sp.4	1	
2_42	3	Sparganium sp.3, Lemna minor4	1	
2_43	3	Glyceria fluitans4, Sparganium sp.3, Lemna minor4	2–5	Carex acuta3, Sparganium sp.3
2_44	4	Glyceria fluitans4, Sparganium sp.4, Lemna minor2	2–5	Carex acuta3, Sparganium sp.3
2_45	3	Carex acuta3, Lycopus europaeus1, Glyceria fluitans4	2–5	Carex acuta3, Sparganium sp.3
2_46	4	Equisetum fluviatile4, Alisma plantago–aquatica1, Glyceria fluitans4, Lemna minor2	2–5	Carex acuta3, Sparganium sp.3
2_47	5	Equisetum fluviatile4, Carex acuta3, Glyceria fluitans4, Alisma plantago–aquatica1, Lysimachia vulgaris2	2–5	Carex acuta4, Alisma plantago–aquatica3, Equisetum fluviatile3
2_48	5	Equisetum fluviatile4, Carex acuta3, Glyceria fluitans4, Alisma plantago–aquatica1, Lysimachia vulgaris2	2–4	Equisetum fluviatile3
2_49	3	Lysimachia thyrsiflora1, Equisetum fluviatile4, Carex acuta3, Alisma plantago–aquatica1	1	
2_50	3	Lysimachia thyrsiflora1, Equisetum fluviatile4, Carex acuta3, Alisma plantago–aquatica1	1	
2_51	3	Carex acuta3, Lycopus europaeus2, Glyceria fluitans4	1	

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_52	3	Carex acuta3, Glyceria fluitans4	1	
2_53	3	Equisetum fluviatile2, Carex acuta3, Glyceria fluitans4	2	Alisma plantago–aquatica2
2_54	4	Glyceria fluitans4	1	Phragmites australis4
2_55	4	Equisetum fluviatile4, Carex acuta3, Glyceria fluitans4, Phragmites australis4	3–5	Galium palustre, Peusedanum palustre, Phragmites australis4
2_56	4	Equisetum fluviatile4, Carex acuta3, Phragmites australis4	3–5	Galium palustre, Peusedanum palustre, Phragmites australis4
2_57	4	Equisetum fluviatile4, Carex acuta3, Equisetum fluviatile4	2–5	Phragmites australis4
2_58	3	Equisetum fluviatile2, Lycopus europaeus3, Phragmites australis4, Alnus glutinosa1	3–5	Phragmites australis4, Equisetum fluviatile2
2_59	4	Lysimachia thyrsiflora1, Equisetum fluviatile2, Sparganium sp.4, Phragmites australis4	2–5	Phragmites australis4
2_60	2	Lysimachia thyrsiflora1	1	
2_61	1		1	
2_62	dry		1	
2_63	dry		dry	
2_64	2	Glyceria fluitans4, Alisma plantago–aquatica1	1	
2_65	2	Carex acuta3	2–4	Lånke sp.3, Cardamine pratensis ssp.palustris2, Carex elata3, Alisma plantago–aquatica1, Alnus glutinosa1
2_66	3	Lysimachia thyrsiflora2, Sparganium sp.4, Mentha arvensis3	2–4	Carex acuta3
2_67	3	Lysimachia thyrsiflora2, Sparganium sp.4, Mentha arvensis3	2–4	Phragmites australis4
2_68	3	Equisetum fluviatile1, Glyceria fluitans4, Sparganium sp.4, Mentha arvensis2	2–4	Phragmites australis4
2_69	1		1	
2_70	3	Equisetum fluviatile2, Carex acuta3	1	
2_71	3	Equisetum fluviatile2, Carex acuta3	1	
2_72	3	Equisetum fluviatile2, Carex acuta3, Glyceria fluitans3	2–4	Carex acuta3, Cardamine pratensis ssp. Palustris1
2_73	3	Equisetum fluviatile4, Carex acuta3	3–5	Carex elata5, Equisetum fluviatile4
2_74	3	Equisetum fluviatile4, Carex acuta3	3–5	Carex elata5, Equisetum fluviatile4
2_75	4	Lysimachia thyrsiflora1, Equisetum fluviatile4	3–5	Carex elata3, Equisetum fluviatile4, Lysimachia thyrsiflora3
2_76	4	Equisetum fluviatile4, Carex acuta3	3–5	Carex elata3, Equisetum fluviatile4

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_77	4	Equisetum fluviatile4, Carex acuta3	3–5	Carex elata3, Equisetum fluviatile4, Alisma plantago–aquatica1
2_78	3	Lysimachia thyrsiflora2, Equisetum fluviatile2	3–5	Lysimachia thyrsiflora2, Equisetum fluviatile4, Ranunculus aquatilis var. Diffusus4
2_79	4	Lysimachia thyrsiflora2, Equisetum fluviatile4, Ranunculus aquatilis var. Diffusus3	3–5	Lysimachia thyrsiflora2, Equisetum fluviatile4, Ranunculus aquatilis var. Diffusus4
2_80	4	Equisetum fluviatile1, Ranunculus aquatilis var. Diffusus4	3–5	Ranunculus aquatilis var. Diffusus3, Lånke sp.2, Myosotis laxa2
2_81	3	Lysimachia thyrsiflora1, Equisetum fluviatile2, Sparganium sp.1	3–5	Ranunculus aquatilis var. Diffusus3, Lånke sp.2, Myosotis laxa2
2_82	2	Sparganium sp.1	3–5	Alisma plantago–aquatica3, Lysimachia thyrsiflora2, Sparganium sp.2
2_83	2	Sparganium sp.1	1	
2_84	1		2	Alisma plantago–aquatica1
2_85	1		1	
2_86	1		1	
2_87	1		2	Lysimachia thyrsiflora2
2_88	1		2	Typha sp.2
2_89	2	Sparganium sp.3, Glyceria fluitans4	2–5	Carex acuta3
2_90	2	Lysimachia thyrsiflora4	1	
2_91	3	Lysimachia thyrsiflora1, Glyceria fluitans4, Alisma plantago–aquatica1, Fontinalis antipyretica3	1	
2_92	1		1	
2_93	2	Sparganium sp.3	1	
2_94	2	Sparganium sp.3	2–4	Alisma plantago–aquatica1, Carex rostrata4, Sparganium sp.3, Equisetum fluviatile3
2_95	1		2	Cardamine pratensis ssp.palustris1
2_96	4	Carex acuta3, Glyceria fluitans4, Mentha arvensis4	2–4	Carex acuta3
2_97	3	Lysimachia thyrsiflora1, Equisetum fluviatile1, Carex acuta3, Sparganium sp.3	2–4	Equisetum fluviatile3, Lysimachia thyrsiflora3
2_98	4	Carex acuta3, Glyceria fluitans4, Galium palustre3	2–4	Carex acuta3
2_99	4	Carex acuta3, Glyceria fluitans4, Galium palustre3	2–4	Carex acuta3
2_100	1		1	
2_101	1		1	

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_102	4	Glyceria fluitans4, Sparganium sp.4, Alisma plantago–aquatica1	1	
2_103	4	Lysimachia thyrsiflora4, Equisetum fluviatile4, Glyceria fluitans4, Sparganium sp.3	2–4	Phragmites australis4
2_104	4	Lysimachia thyrsiflora4, Equisetum fluviatile4, Phragmites australis4	2–4	Phragmites australis4
2_105	4	Lysimachia thyrsiflora4, Equisetum fluviatile4, Phragmites australis4	2–4	Phragmites australis4
2_106	4	Lysimachia thyrsiflora1, Equisetum fluviatile1, Phragmites australis4	2–4	Phragmites australis4
2_107	4	Phragmites australis4	2–4	Phragmites australis4
2_108	4	Phragmites australis4	2–4	Phragmites australis4
2_109	4	Glyceria fluitans2, Phragmites australis4, Potentilla palustris1	2–4	Phragmites australis4
2_110	4	Glyceria fluitans2, Phragmites australis4, Potentilla palustris1	2–4	Phragmites australis4
2_111	4	Phragmites australis4, Sparganium sp.3	3–5	Phragmites australis4, Carex rostrata4
2_112	4	Phragmites australis4, Mentha arvensis4	3–5	Phragmites australis4, Carex rostrata4
2_113	4	Phragmites australis4, Mentha arvensis4	2–4	Phragmites australis4
2_114	3	Phragmites australis4, Mentha arvensis4	2–4	Phragmites australis4
2_115	3	Phragmites australis4	2–4	Phragmites australis4
2_116	3	Phragmites australis4	2–4	Phragmites australis4
2_117	4	Phragmites australis4	2–4	Phragmites australis4
2_118	4	Phragmites australis4	2–4	Phragmites australis4
2_119	4	Phragmites australis4, Potentilla palustris2, Carex rostrata2	2–4	Phragmites australis4
2_120	4	Phragmites australis4	2–4	Phragmites australis4
2_121	4	Phragmites australis, Potentilla palustris, Carex rostrata	3–5	Lånke sp.3, Potentilla palustris2, Cardamine pratensis ssp.palustris1, Phragmites australis4
2_122	5	Sparganium sp., Carex elata, Equisetum fluviatile, Phragmites australis, Alisma plantago–aquatica	3–5	Lånke sp.3, Potentilla palustris2, Cardamine pratensis ssp.palustris1, Phragmites australis4
2_123	5	Sparganium sp., Lysimachia thyrsiflora, Phragmites australis	2–4	Phragmites australis4
2_124	4	Carex elata, Phragmites australis	2–4	Phragmites australis4
2_125	4	Carex elata, Phragmites australis, Potentilla palustris, Carex rostrata	3–5	Phragmites australis4, Carex elata3
2_126	4	Carex elata, Mentha arvensis, Phragmites australis	3–5	Phragmites australis4, Carex elata3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_127	4	Carex elata, Lysimachia thyrsiflora, Carex rostrata	2–5	Alisma plantago–aquatica2, Cardamine pratensis ssp.palustris1, Carex elata3
2_128	4	Carex elata, Equisetum fluviatile, Lysimachia thyrsiflora	2–5	Equisetum fluviatile3, Lysimachia thyrsiflora3
2_129	5	Carex elata	2–5	Phragmites australis4
2_130	5	Sparganium sp., Carex elata, Mentha arvensis	2–5	Sparganium sp.4
2_131	5	Ranunculus flammula, Mentha arvensis, Equisetum fluviatile	2–5	Sparganium sp.4, Equisetum fluviatile2
2_132	5	Ranunculus flammula, Mentha arvensis, Equisetum fluviatile	2–5	Equisetum fluviatile2
2_133	5	Equisetum fluviatile, Ranunculus flammula, Lysimachia thyrsiflora	2	Cardamine pratensis ssp.palustris2
2_134	4	Carex elata, Equisetum fluviatile	2–5	Alisma plantago–aquatica2, Mentha arvensis2, Equisetum fluviatile2
2_135	4	Carex elata, Equisetum fluviatile	2–5	Sparganium sp.3, Equisetum fluviatile2, Carex elata3
2_136	5	Carex elata, Equisetum fluviatile	2–5	Lysimachia thyrsiflora2, Equisetum fluviatile2, Carex elata3
2_137	5	Carex elata, Equisetum fluviatile	2–5	Lysimachia thyrsiflora3, Equisetum fluviatile2, Carex elata3
2_138	5	Carex elata, Equisetum fluviatile	2–5	Lycopus europaeus2, Carex elata5, Cardamine pratensis ssp.palustris2
2_139	5	Carex elata	2–5	Carex elata3
2_140	4	Sparganium sp., Carex elata	2–5	Lycopus europaeus2
2_141	3	Sparganium sp., Alisma plantago–aquatica	1	
2_142	2	Alisma plantago–aquatica	1	
2_143	1		1	
2_144	1		1	
2_145	1		1	
2_146	1		1	
2_147	1		2	Alisma plantago–aquatica1
2_148	1		1	
2_149	1		2	Alisma plantago–aquatica1
2_150	2	Peusedanum palustre, Sparganium sp.	2–5	Batrachospermum3
2_151	4	Carex elata, Batrachospermum sp.	2–5	Batrachospermum3
2_152	4	Carex elata	2–5	Menyanthes trifoliata1, Batrachospermum3
2_153	4	Carex elata, Batrachospermum sp.	2–5	Sparganium sp.2, Carex elata5
2_154	4	Carex elata	2–5	Sparganium sp.2, Carex elata5

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_155	4	Peusedanum palustre, Carex elata	2–5	Carex elata5, Menyanthes trifoliata2
2_156	4	Peusedanum palustre, Carex elata, Carex acuta	2–5	Carex elata5, Sparganium sp.3, Ranunculus flammula3
2_157	4	Carex acuta, Hottonia palustris, Rhododendron tomentosum Harmaja	2–5	Carex elata5, Peusedanum palustre1
2_158	4	Carex elata4, Phragmites australis3	2–5	Lysimachia thyrsiflora3, Equisetum fluviatile2, Phragmites australis3, Carex elata4
2_159	4	Carex elata4, Phragmites australis3	2–5	Lysimachia thyrsiflora3, Equisetum fluviatile2, Phragmites australis3, Carex elata4
2_160	3	Fontinalis sp.3, Carex elata4	2–5	Alisma plantago–aquatica1, Lysimachia thyrsiflora2, Caltha palustris2
2_161	3	Fontinalis sp.3, Carex elata4	2–5	Alisma plantago–aquatica1, Lysimachia thyrsiflora2, Caltha palustris2, Fontinalis sp.3, Carex elata4
2_162	3	Fontinalis sp.3, Carex elata4	2–5	Alisma plantago–aquatica1, Lysimachia thyrsiflora2, Caltha palustris2, Fontinalis sp.3, Carex elata4
2_163	3	Fontinalis sp.3, Carex elata4	2–5	Alisma plantago–aquatica1, Lysimachia thyrsiflora2, Caltha palustris2, Fontinalis sp.3, Carex elata4
2_164	5	Fontinalis sp.3	2–5	Fontinalis sp.3
2_165	5	Fontinalis sp.3	2–5	Fontinalis sp.3
2_166	4	Fontinalis sp.3	2–5	Fontinalis sp.3
2_167	4	Fontinalis sp.3	3–5	Alisma plantago–aquatica1, Periphytic algae2, Ranunculus flammula2, Juncus sp.3, Callitriche sp.3, Caltha palustris2
2_168	4	Fontinalis sp.3	3–5	Alisma plantago–aquatica1, Periphytic algae2, Ranunculus flammula2, Juncus sp.3, Callitriche sp.3, Caltha palustris2
2_169	1		1	
2_170	4	Myosotis laxa4, Lysimachia thyrsiflora4, Sparganium sp.2	3–5	Alisma plantago–aquatica2, Potamogeton sp.2, Sparganium sp.2, Callitriche sp.2, Lysimachia thyrsiflora4, Myosotis laxa4,
2_171	4	Myosotis laxa4, Lysimachia thyrsiflora4, Sparganium sp.2	3–5	Alisma plantago–aquatica2, Potamogeton sp.2, Sparganium sp.2, Callitriche sp.2, Lysimachia thyrsiflora4, Myosotis laxa4, Carex elata3, Ranunculus flammula3
2_172	4	Carex elata3, Lysimachia thyrsiflora2, Sparganium sp.2	3–5	Alisma plantago–aquatica2, Potamogeton sp.2, Sparganium sp.2, Callitriche sp.2, Lysimachia thyrsiflora4, Myosotis laxa4, Carex elata3, Ranunculus flammula3
2_173	4	Sparganium sp.3, Alisma plantago–aquatica1	3–5	Alisma plantago–aquatica3, Sparganium sp.3, Callitriche sp.2, Ranunculus flammula3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_174	4	Sparganium sp.3, Alisma plantago–aquatica1	3–5	Alisma plantago–aquatica3, Sparganium sp.3, Callitriche sp.2, Ranunculus flammula3
2_175	3	Sparganium sp.3, Carex elata2	2–5	Ranunculus flammula3, Lysimachia thyrsiflora2, Alisma plantago–aquatica2
2_176	3	Sparganium sp.3, Carex elata2	2–5	Ranunculus flammula3, Lysimachia thyrsiflora2, Alisma plantago–aquatica2
2_177	3	Sparganium sp.3, Carex elata2	2–5	Ranunculus flammula3, Lysimachia thyrsiflora2, Alisma plantago–aquatica2
2_178	3	Sparganium sp.3, Carex elata2	2–5	Ranunculus flammula3, Lysimachia thyrsiflora2, Alisma plantago–aquatica2
2_179	3	Sparganium sp.3, Carex elata2	2–5	Ranunculus flammula3, Lysimachia thyrsiflora2, Alisma plantago–aquatica2
2_180	3	Sparganium sp.3, Carex elata2	2–5	Ranunculus flammula3, Lysimachia thyrsiflora2, Alisma plantago–aquatica2
2_181	4	Menyanthes trifoliata2, Lysimachia thyrsiflora1	2–3	Menyanthes trifoliata2
2_182	4	Menyanthes trifoliata2	2–3	Menyanthes trifoliata2
2_183	5	Carex elata, Equisetum fluviatile4	3–5	Sparganium sp.4, Carex acuta5, Phragmites australis2, Equisetum fluviatile4, Carex elata5
2_184	5	Carex elata, Equisetum fluviatile4	3–5	Sparganium sp.4, Carex acuta5, Phragmites australis2, Equisetum fluviatile4, Carex elata5
2_185	2	Phragmites australis2, Menyanthes trifoliata2	3–5	Sparganium sp.3, Potentilla palustris1, Carex acuta2, Phragmites australis2
2_186	1		2–4	Sparganium sp.3, Potentilla palustris1
2_187	1		2–4	Sparganium sp.3, Potentilla palustris1
2_188	1		2	Sparganium sp.2
2_189	1		2	Sparganium sp.2
2_190	dry		2–5	Carex sp.
2_191	dry		2–5	Carex sp.
2_192	dry		2–5	Carex sp.
2_193	dry		2–5	Carex sp.
2_194	4	Lysimachia thyrsiflora4, Carex acuta3, Glyceria fluitans2	2–5	Lysimachia thyrsiflora4, Carex acuta3, Sparganium sp.2
2_195	3	Lysimachia thyrsiflora2, Carex acuta3, Mentha arvensis4	2–5	Lysimachia thyrsiflora2, Carex acuta3, Mentha arvensis2
2_196	3	Carex acuta3, Mentha arvensis3	2–5	Carex acuta3, Mentha arvensis2
2_197	3	Lysimachia thyrsiflora4, Carex acuta3, Mentha arvensis2, Sparganium sp.4	2–5	Lysimachia thyrsiflora4, Carex acuta3, Sparganium sp.2
2_198	3	Lysimachia thyrsiflora4, Mentha arvensis2, Alisma plantago–aquatica1, Potamogeton polygonifolius4, Carex vesicaria3	2–5	Lysimachia thyrsiflora2, Alisma plantago–aquatica1, Potamogeton polygonifolius4, Carex vesicaria3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_199	1		2	Alisma plantago–aquatica1
2_200	2	Alisma plantago–aquatica3	2	Alisma plantago–aquatica1
2_201	1		2	Sparganium sp.2
2_202	2	Lysimachia thyrsiflora1, Mentha arvensis3, Alisma plantago–aquatica3	2–3	Lysimachia thyrsiflora1, Alisma plantago–aquatica2
2_203	2	Lysimachia thyrsiflora1, Mentha arvensis3	2–4	Lysimachia thyrsiflora1, Mentha arvensis3
2_204	3	Lysimachia thyrsiflora1, Mentha arvensis4, Sparganium sp.4	2–5	Lysimachia thyrsiflora1, Mentha arvensis4, Sparganium sp.2
2_205	3	Lysimachia thyrsiflora1, Mentha arvensis3	2–3	Lysimachia thyrsiflora1, Sparganium sp.2
2_206	4	Lysimachia thyrsiflora2, Glyceria fluitans4, Mentha arvensis4, Sparganium sp.4	2–5	Lysimachia thyrsiflora2, Glyceria fluitans4, Mentha arvensis4, Sparganium sp.4
2_207	3	Lysimachia thyrsiflora4, Mentha arvensis2, Sparganium sp.4	2–5	Lysimachia thyrsiflora4, Mentha arvensis2, Sparganium sp.4
2_208	3	Lysimachia thyrsiflora1, Mentha arvensis2, Sparganium sp.4	2–5	Lysimachia thyrsiflora1, Mentha arvensis2, Sparganium sp.4, Lucopus europeus2
2_209	4	Carex acuta3, Mentha arvensis3, Sparganium sp.5, Lycopus europaeus1, Equisetum fluviatile1	2–5	Carex acuta3, Mentha arvensis3, Sparganium sp.5, Equisetum fluviatile1
2_210	5	Carex acuta3, Mentha arvensis3, Sparganium sp.5, Lycopus europaeus1, Equisetum fluviatile1	2–5	Carex acuta3, Sparganium sp.5, Equisetum fluviatile1
2_211	5	Carex acuta3, Mentha arvensis3, Sparganium sp.5, Lycopus europaeus1, Equisetum fluviatile1	3–5	Carex acuta3, Mentha arvensis3, Sparganium sp.5, Lycopus europaeus1, Equisetum fluviatile1
2_212	5	Carex acuta3, Mentha arvensis3, Sparganium sp.5, Lycopus europaeus1, Equisetum fluviatile1	3–5	Carex acuta3, Mentha arvensis3, Sparganium sp.5, Lycopus europaeus1, Equisetum fluviatile1
2_213	5	Carex acuta3, Mentha arvensis4, Lycopus europaeus1, Equisetum fluviatile4, Galium palustre3	2–5	Carex acuta3, Mentha arvensis4, Hottonia palustris3, Equisetum fluviatile4, Galium palustre3
2_214	5	Carex acuta3, Mentha arvensis4, Lycopus europaeus1, Equisetum fluviatile4, Galium palustre3	2–5	Carex acuta3, Mentha arvensis4, Equisetum fluviatile4
2_215	4	Carex acuta3, Mentha arvensis4, Potamogeton polygonifolius3, Lycopus europaeus2, Equisetum fluviatile4, Lemna minor4	2–5	Carex acuta3, Mentha arvensis4, Potamogeton polygonifolius3, Lycopus europaeus2, Equisetum fluviatile4
2_216	5	Mentha arvensis4, Potamogeton polygonifolius5, Lycopus europaeus1, Galium palustre3, Lemna minor4,	2–5	Mentha arvensis4, Potamogeton polygonifolius5, Lycopus europaeus1
2_217	5	Mentha arvensis4, Potamogeton polygonifolius5, Lycopus europaeus1, Galium palustre3, Lemna minor4,	2–5	Mentha arvensis4, Potamogeton polygonifolius5, Lycopus europaeus1, Galium palustre3
2_218	4	Carex acuta3, Sparganium sp.3, Lemna minor4, Phragmites australis2	2–5	Carex acuta3, Sparganium sp.3, Phragmites australis2
2_219	4	Sparganium sp.4, Lemna minor4	1	

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_220	4	Sparganium sp.4, Lemna minor4	1	
2_221	4	Sparganium sp.4, Lemna minor4, Mentha arvensis1	2	Sparganium sp.2, Mentha arvensis1
2_222	4	Sparganium sp.4, Lemna minor4, Mentha arvensis1	2	Sparganium sp.2, Mentha arvensis1
2_223	4	Sparganium sp.4, Lemna minor4, Mentha arvensis1	2–3	Sparganium sp.2, Alisma plantago–aquatica1
2_224	2	Sparganium sp.3	2–4	Sparganium sp.3, Lysimachia thyrsiflora2
2_225	3	Mentha arvensis2, Sparganium sp.4, Lemna minor4	2–4	Mentha arvensis2, Sparganium sp.4, Lemna minor2, Ranunculus flammula3
2_226	4	Carex acuta3, Sparganium sp.4, Lemna minor4, Ranunculus flammula4	3–5	Carex acuta3, Sparganium sp.4, Ranunculus flammula4
2_227	4	Mentha arvensis3, Sparganium sp.5, Lemna minor4	3–5	Mentha arvensis3, Sparganium sp.5
2_228	4	Mentha arvensis3, Sparganium sp.5, Lemna minor4, Lysimachia thyrsiflora4, Galium palustre4	3–5	Mentha arvensis3, Sparganium sp.5, Lysimachia thyrsiflora4, Galium palustre4
2_229	2	Sparganium sp.1, Lemna minor3	2–4	Sparganium sp.1, Lemna minor3
2_230	3	Sparganium sp.4, Lemna minor4	2–5	Sparganium sp.4, Potamogeton sp.3
2_231	3	Sparganium sp.4, Lemna minor4	2–5	Sparganium sp.4, Potamogeton sp.3
2_232	1		1	
2_233	1		1	
2_234	1		1	
2_235	1		1	
2_236	1		1	
2_237	1		1	
2_238	2	Sparganium sp.3	1	
2_239	3	Sparganium sp.3, Lemna minor4	1	
2_240	3	Sparganium sp.3, Lemna minor4, Potentilla palustris1	2–4	Sparganium sp.3, Potentilla palustris1, Alisma plantago–aquatica2, Potamogeton sp.2
2_241	4	Sparganium sp.3, Lemna minor4, Potentilla palustris1	2–4	Sparganium sp.3, Potentilla palustris1
2_242	4	Lysimachia thyrsiflora2, Sparganium sp.4, Lemna minor4, Fontinalis dalecarlica3, chara virgata3, Vaucheria sp.3	3–5	Lysimachia thyrsiflora2, Sparganium sp.4, Fontinalis dalecarlica3, Vaucheria sp.3
2_243	3	Lysimachia thyrsiflora1, Lemna minor3, Carex sp.3, Vaucheria sp.3	3–5	Lysimachia thyrsiflora1, Lemna minor3, Carex sp.3, Vaucheria sp.3
2_244	3	Galium palustre3, Lemna minor3, Fontinalis dalecarlica3, Carex sp.3, Vaucheria sp.3	3–5	Galium palustre3, Fontinalis dalecarlica3, Carex sp.3, Vaucheria sp.3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_245	3	Galium palustre3, Lemna minor3, Fontinalis dalecarlica.3, Carex sp.3, Vaucheria sp.3	3–5	Galium palustre3, Lemna minor3, Fontinalis dalecarlica.3, Carex sp.3, Vaucheria sp.3
2_246	3	Lemna minor3, Phragmites australis4	2–5	Phragmites australis4
2_247	3	Lemna minor3, Phragmites australis4	2–5	Phragmites australis4
2_248	3	Lemna minor3, Phragmites australis4	2–5	Lemna minor2, Phragmites australis4
2_249	4	Phragmites australis4	2–5	Phragmites australis4
2_250	4	Phragmites australis4	2–5	Phragmites australis4
2_251	4	Phragmites australis4	2–5	Phragmites australis4
2_252	4	Phragmites australis4	2–5	Phragmites australis4
2_253	4	Phragmites australis4	2–5	Phragmites australis4
2_254	4	Phragmites australis4	2–5	Phragmites australis4
2_255	4	Phragmites australis4	2–5	Phragmites australis4
2_256	4	Phragmites australis4	2–5	Phragmites australis4
2_257	4	Phragmites australis4	2–5	Phragmites australis4
2_258	4	Phragmites australis4	2–5	Phragmites australis4
2_259	4	Phragmites australis4	2–5	Phragmites australis4
2_260	4	Phragmites australis4	2–5	Phragmites australis4
2_261	4	Phragmites australis4	2–5	Phragmites australis4
2_262	4	Phragmites australis4	2–5	Phragmites australis4, Potentilla palustris2
2_263	5	Phragmites australis4, Fontinalis antipyretica3	2–5	Phragmites australis4, Fontinalis antipyretica3
2_264	3	Phragmites australis4, Sparganium sp.2	2–5	Phragmites australis4, Sparganium sp.2
2_265	3	Sparganium sp.2, Potentilla palustris1	2–5	Sparganium sp.2, Potentilla palustris1
2_266	3	Phalaris arundinacea4	2–5	Phalaris arundinacea4
2_267	4	Typha latifolia4, Equisetum fluviatile4	3–5	Typha latifolia4, Equisetum fluviatile4
2_268	4	Typha latifolia4, Equisetum fluviatile4	3–5	Typha latifolia4, Equisetum fluviatile4
2_269	4	Carex rostrata3, Equisetum fluviatile4	3–5	Carex rostrata3, Equisetum fluviatile4
2_270	5	Galium palustre2, Carex rostrata3	2–4	Galium palustre2, Carex rostrata3
2_271	5	Galium palustre2, Carex rostrata3	2–4	Galium palustre2, Carex rostrata3
2_272	5	Sparganium sp.2, Lycopus europaeus1	2–3	Sparganium sp.2, Lycopus europaeus1

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_273	dry		1	
2_274	dry		1	
2_275	dry		3–5	Lysimachia thyrsiflora1, Equisetum fluviatile4, Ranunculus flammula4
2_276	5	Carex rostrata4, Sparganium sp.4	2–5	Carex rostrata2, Myosotis laxa3, Sparganium sp.2
2_277	5	Carex rostrata4	2–5	Carex rostrata4
2_278	5	Carex rostrata4	2–5	Carex rostrata4
2_279	5	Carex rostrata4	2–5	Carex rostrata4
2_280	5	Carex rostrata4	2–5	Carex rostrata4
2_281	5	Lysimachia thyrsiflora2, Carex rostrata3	2–5	Lysimachia thyrsiflora, Carex rostrata
2_282	5	Myosotis laxa, Lysimachia thyrsiflora	2–5	Myosotis laxa, Lysimachia thyrsiflora
2_283	5	Myosotis laxa, Lysimachia thyrsiflora	2–5	Myosotis laxa, Lysimachia thyrsiflora
2_284	5	Myosotis laxa, Lysimachia thyrsiflora	3–5	Myosotis laxa4, Lysimachia thyrsiflora2, Ranunculus flammula3, Potentilla palustris1
2_285	5	Myosotis laxa, Lysimachia thyrsiflora	3–5	Myosotis laxa4, Lysimachia thyrsiflora2, Ranunculus flammula3, Potentilla palustris1
2_286	5	Myosotis laxa, Lysimachia thyrsiflora	2–5	Myosotis laxa4, Lysimachia thyrsiflora2
2_287	5	Lycopus europaeus, Lysimachia thyrsiflora	2–5	Lycopus europaeus1, Lysimachia thyrsiflora2
2_288	dry		3–5	Lysimachia thyrsiflora1, Equisetum fluviatile4, Ranunculus flammula4
2_289	dry		2–5	Equisetum fluviatile4
2_290	5	Lycopus europaeus, Myosotis laxa	2–5	Lycopus europaeus2, Myosotis laxa4
2_291	5	Lysimachia thyrsiflora	2–5	Lysimachia thyrsiflora, Phragmites australis1, Typha sp.2, Alisma plantago–aquatica2
2_292	5	Galium palustre, Carex rostrata	2–5	Carex rostrata4
2_293	5	Lysimachia thyrsiflora, Phalaris arundinacea	2–5	Carex rostrata4
2_294	5	Carex rostrata	3–5	Phragmites australis4, Potentilla palustris2
2_295	5	Lysimachia thyrsiflora, Equisetum fluviatile, Ranunculus flammula	3–5	Phragmites australis4, Typha sp.2, Potentilla palustris2
2_296	5	Lysimachia thyrsiflora, Equisetum fluviatile, Typha latifolia	3–5	Phragmites australis4, Typha latifolia3
2_297	5	Equisetum fluviatile, Galium palustre	3–5	Phragmites australis4, Typha latifolia3
2_298	5	Phragmites australis	3–5	Phragmites australis4, Typha latifolia3
2_299	5	Phragmites australis	3–5	Phragmites australis4, Typha latifolia3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_300	5	Phragmites australis	3–5	Phragmites australis4, Typha latifolia3
2_301	5	Phragmites australis, Carex acuta	3–5	Phragmites australis4, Typha latifolia3
2_302	5	Phragmites australis	3–5	Phragmites australis4, Typha latifolia3
2_303	5	Phragmites australis	3–5	Phragmites australis4, Typha latifolia3
2_304	5	Lycopus europaeus, Phragmites australis	3–5	Phragmites australis4, Typha latifolia3
2_305	4	Lycopus europaeus, Phragmites australis	3–5	Phragmites australis4, Typha latifolia3, Potamogeton polygonifolius3
2_306	4	Lycopus europaeus, Lysimachia thyrsiflora	2–5	Lycopus europaeus, Lysimachia thyrsiflora
2_307	4	Lycopus europaeus, Lysimachia thyrsiflora	1	
2_308	4	Carex acuta, Lycopus europaeus	1	
2_309	4	Carex acuta, Lycopus europaeus	1	
2_310	5	Carex acuta, Lysimachia thyrsiflora, Typha angustifolia	1	
2_311	dry		1	
2_312	dry		1	
2_313	dry		dry	
2_314	dry		dry	
2_315	dry		dry	
2_316	dry		dry	
2_317	dry		5	Phragmites australis5, Carex elata5
2_318	dry		5	Phragmites australis5, Carex elata5
2_319	dry		1	
2_320	4	Phragmites australis	3–5	Carex elata4, Lysimachia thyrsiflora1, Peusedanum palustre1, Potentilla palustris2, Batrachospermum sp.3, Periphytic algae3
2_321	3	Lysimachia thyrsiflora	3–5	Carex elata4, Lysimachia thyrsiflora1, Peusedanum palustre1, Potentilla palustris2, Batrachospermum sp.3, Periphytic algae3
2_322	3	Carex elata	3–5	Carex elata4, Lysimachia thyrsiflora1, Peusedanum palustre1, Potentilla palustris2, Batrachospermum sp.3, Periphytic algae3
2_323	5	Carex elata	3–5	Carex elata4, Lysimachia thyrsiflora1, Peusedanum palustre1, Potentilla palustris2, Batrachospermum sp.3, Periphytic algae3
2_324	5	Carex elata	3–5	Carex elata4, Lysimachia thyrsiflora1, Peusedanum palustre1, Potentilla palustris2, Batrachospermum sp.3, Periphytic algae3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_325	4	Carex elata	3–5	Carex elata4, Lysimachia thyrsiflora1, Peusedanum palustre1, Potentilla palustris2, Batrachospermum sp.3, Periphytic algae3
2_326	5	Carex elata	3	Carex elata4, Peusedanum palustre1, Potentilla palustris2, Lysimachia thyrsiflora2, Sparganium sp.3
2_327	5	Carex elata, Lysimachia thyrsiflora	3	Carex elata4, Peusedanum palustre1, Potentilla palustris2, Lysimachia thyrsiflora2, Sparganium sp.3
2_328	5	Carex acuta, Lysimachia thyrsiflora	3	Carex elata4, Peusedanum palustre1, Potentilla palustris2, Lysimachia thyrsiflora2, Sparganium sp.3
2_329	4	Carex acuta	3	Carex elata4, Peusedanum palustre1, Potentilla palustris2, Lysimachia thyrsiflora2, Sparganium sp.3
2_330	5	Carex acuta	3	Carex elata4, Peusedanum palustre1, Potentilla palustris2, Lysimachia thyrsiflora2, Sparganium sp.3
2_331	5	Carex acuta	3	Ranunculus flammula3, Carex elata3, Peusedanum palustre2, Lysimachia thyrsiflora2, Sparganium sp.4
2_332	3	Carex acuta, Sparganium sp.	3	Ranunculus flammula3, Carex elata3, Peusedanum palustre2, Lysimachia thyrsiflora2
2_333	4	Phragmites australis	3	Ranunculus flammula3, Carex elata3, Peusedanum palustre2, Lysimachia thyrsiflora2
2_334	5	Phragmites australis	3	Ranunculus flammula3, Carex elata3, Peusedanum palustre2, Lysimachia thyrsiflora2
2_335	n.d.	n.d.	n.d.	n.d.
2_336	n.d.	n.d.	n.d.	n.d.
2_337	n.d.	n.d.	n.d.	n.d.
2_338	n.d.	n.d.	n.d.	n.d.
2_339	n.d.	n.d.	n.d.	n.d.
2_340	n.d.	n.d.	n.d.	n.d.
2_341	n.d.	n.d.	n.d.	n.d.
2_342	n.d.	n.d.	n.d.	n.d.
2_343	n.d.	n.d.	n.d.	n.d.
2_344	n.d.	n.d.	n.d.	n.d.
2_345	n.d.	n.d.	n.d.	n.d.

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_346	n.d.	n.d.	n.d.	n.d.
2_347	n.d.	n.d.	n.d.	n.d.
2_348	n.d.	n.d.	n.d.	n.d.
2_349	n.d.	n.d.	n.d.	n.d.
2_350	n.d.	n.d.	n.d.	n.d.
2_351	n.d.	n.d.	n.d.	n.d.
2_352	n.d.	n.d.	n.d.	n.d.
2_353	n.d.	n.d.	n.d.	n.d.
2_354	n.d.	n.d.	n.d.	n.d.
2_355	dry		2–5	Carex elata3, Phragmites australis4
2_356	dry		2–5	Carex elata3, Phragmites australis4
2_357	dry		3–5	Phragmites australis4, Carex acuta3, Carex elata3, Myosotis laxa3, Equisetum fluviatile2, Cardamine pratensis ssp. Palustris2
2_358	dry		3–5	Phragmites australis4, Carex acuta3, Carex elata3, Myosotis laxa3, Equisetum fluviatile2, Cardamine pratensis ssp. Palustris2
2_359	dry		3–5	Phragmites australis4, Carex acuta3, Carex elata3, Myosotis laxa3, Fontinalis antipyretica4, Equisetum fluviatile2, Cardamine pratensis ssp. Palustris2
2_360	dry		3–5	Phragmites australis4, Carex acuta3, Carex elata3, Myosotis laxa3, Fontinalis antipyretica4, Equisetum fluviatile2, Cardamine pratensis ssp. Palustris2
2_361	dry		3–5	Phragmites australis4, Carex acuta3, Carex elata3, Myosotis laxa3, Fontinalis antipyretica4, Equisetum fluviatile2, Cardamine pratensis ssp. Palustris2
2_362	dry		3–5	Phragmites australis4, Carex acuta3, Carex elata3, Myosotis laxa3, Fontinalis antipyretica4, Equisetum fluviatile2, Cardamine pratensis ssp. Palustris2
2_363	dry		3–5	Typha sp.4, Caltha palustris2, Ranunculus flammula2, Cardamine pratensis ssp. palustris1, Lysimachia thyrsiflora3, Phragmites australis3, Equisetum fluviatile2
2_364	dry		3–5	Typha sp.4, Caltha palustris2, Ranunculus flammula2, Cardamine pratensis ssp. palustris1, Lysimachia thyrsiflora3, Phragmites australis3, Equisetum fluviatile2
2_365	dry		3–5	Typha sp.4, Caltha palustris2, Ranunculus flammula2, Cardamine pratensis ssp. palustris1, Lysimachia thyrsiflora3, Phragmites australis3, Equisetum fluviatile2

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_366	dry		3–5	Typha sp.4, Caltha palustris2, Ranunculus flammula2, Cardamine pratensis ssp. palustris1, Lysimachia thyrsiflora3, Phragmites australis3, Equisetum fluviatile2
2_367	dry		2–4	Carex acuta3, Phragmites australis1, Lysimachia thyrsiflora2, Typha sp.1
2_368	dry		2–4	Carex acuta3, Phragmites australis1, Lysimachia thyrsiflora2, Typha sp.1
2_369	dry		2–4	Carex acuta3, Phragmites australis1, Lysimachia thyrsiflora2, Typha sp.1
2_370	dry		2–4	Carex acuta3, Phragmites australis1, Lysimachia thyrsiflora2, Typha sp.1
2_371	dry		3–5	Callitriche sp.2, Caltha palustris2, Ranunculus aquatilis var. Diffusus4, Lysimachia thyrsiflora2, Alisma plantago–aquatica1, Typha sp.2, Filipendula ulmaria1, Phalaris arundinacea4
2_372	dry		3–5	Callitriche sp.2, Caltha palustris2, Ranunculus aquatilis var. Diffusus4, Lysimachia thyrsiflora2, Alisma plantago–aquatica1, Typha sp.2, Filipendula ulmaria1, Phalaris arundinacea4
2_373	dry		3–5	Callitriche sp.2, Caltha palustris2, Ranunculus aquatilis var. Diffusus4, Lysimachia thyrsiflora2, Alisma plantago–aquatica1, Typha sp.2, Filipendula ulmaria1, Phalaris arundinacea4
2_374	dry		2–4	Carex acuta3, Phragmites australis1, Lysimachia thyrsiflora2, Typha sp.1
2_375	dry		3–5	Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3
2_376	dry		3–5	Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3
2_377	dry		3–5	Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3
2_378	dry		3–5	Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3
2_379	5	Carex elata, Phragmites australis, Myosotis laxa	3–5	Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3
2_380	5	Carex elata, Myosotis laxa	3–5	Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_381	5	Typha sp., Phalaris arundinacea	3–5	Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3
2_382	5	Carex acuta, Typha sp.	3–5	Carex elata4, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3, Glyceria fluitans4
2_383	5	Carex acuta, Typha sp.	3–5	Carex elata4, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica1, Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens1, Sparganium sp.3, Glyceria fluitans4
2_384	dry		3–5	Carex acuta3, Carex elata3, Callitriche sp.2, Equisetum fluviatile3, Alisma plantago–aquatica,1 Caltha palustris2, Ranunculus flammula4, Lysimachia thyrsiflora2, Ranunculus repens2, Sparganium sp.3, Glyceria fluitans4
2_385	dry		2–5	Equisetum fluviatile4
2_386	dry		2–5	Equisetum fluviatile4
2_387	dry		2–5	Equisetum fluviatile4
2_388	dry		2–5	Equisetum fluviatile4
2_389	dry		3–5	Carex elata4, Ranunculus flammula3, Cardamine pratensis ssp. palustris2, Caltha palustris2, Fontinalis antipyretica3, Lysimachia thyrsiflora2
2_390	dry		3–5	Carex elata4, Ranunculus flammula3, Cardamine pratensis ssp. palustris2, Caltha palustris2, Fontinalis antipyretica3, Lysimachia thyrsiflora2
2_391	dry		3–5	Carex elata4, Ranunculus flammula3, Cardamine pratensis ssp. palustris2, Caltha palustris2, Fontinalis antipyretica3, Lysimachia thyrsiflora2
2_392	5	Phragmites australis, Lysimachia thyrsiflora	3–5	Carex rostrata3, Carex acuta2, Callitriche sp.2, Equisetum fluviatile3, Caltha palustris2
2_393	5	Equisetum fluviatile, Ranunculus aquatilis var. Diffusus	3–5	Carex rostrata3, Carex acuta3, Callitriche sp.2, Caltha palustris2, Lysimachia thyrsiflora4
2_394	5	Carex acuta	3–5	Carex rostrata3, Carex acuta3, Callitriche sp.2, Equisetum fluviatile3, Caltha palustris2, Lysimachia thyrsiflora4
2_395	5	Lysimachia thyrsiflora, Glyceria fluitans	3–5	Carex rostrata3, Carex acuta3, Callitriche sp.2, Equisetum fluviatile3, Caltha palustris2
2_396	5	Galium palustre, Glyceria fluitans	3–5	Carex rostrata3, Carex acuta3, Callitriche sp.2, Equisetum fluviatile3, Caltha palustris2, Lysimachia thyrsiflora4
2_397	5	Carex acuta, Glyceria fluitans	3–5	Cardamine pratensis ssp. palustris2, Equisetum fluviatile3, Caltha palustris2, Carex elata3, Lysimachia thyrsiflora

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_398	5	Carex acuta, Phragmites australis	3–5	Cardamine pratensis ssp. palustris2, Equisetum fluviatile3, Caltha palustris2, Carex elata3, Lysimachia thyrsiflora
2_399	5	Carex acuta, Phalaris arundinacea	3–5	Cardamine pratensis ssp. palustris2, Equisetum fluviatile3, Caltha palustris2, Carex elata3, Lysimachia thyrsiflora
2_400	5	Carex acuta, Phalaris arundinacea	3–5	Cardamine pratensis ssp. palustris2, Equisetum fluviatile3, Caltha palustris2, Carex elata3, Lysimachia thyrsiflora
2_401	5	Phalaris arundinacea	3–5	Cardamine pratensis ssp. palustris1, Equisetum fluviatile4
2_402	5	Phalaris arundinacea	3–5	Cardamine pratensis ssp. palustris1, Equisetum fluviatile4
2_403	5	Glyceria maxima, Filipendula ulmaria	3–5	Carex elata3, Equisetum fluviatile3, Cardamine pratensis ssp. palustris2, Caltha palustris2, Lysimachia thyrsiflora4
2_404	5	Carex acuta, Filipendula ulmaria	3–5	Carex acuta3, Equisetum fluviatile3, Cardamine pratensis ssp. palustris2, Caltha palustris2, Lysimachia thyrsiflora4
2_405	5	Carex rostrata	3–5	Carex rostrata3, Equisetum fluviatile2, Cardamine pratensis ssp. palustris2, Caltha palustris2, Glyceria maxima5, Lysimachia thyrsiflora2
2_406	dry		3–5	Carex rostrata3, Equisetum fluviatile2, Cardamine pratensis ssp. palustris2, Caltha palustris2, Glyceria maxima5, Lysimachia thyrsiflora2
2_407	5	Carex acuta, Lysimachia thyrsiflora	3–5	Carex rostrata3, Equisetum fluviatile2, Cardamine pratensis ssp. palustris2, Caltha palustris2, Glyceria maxima5
2_408	5	Carex rostrata	3–5	Callitriche sp.2, Equisetum fluviatile2, Caltha palustris2, Glyceria maxima4, Lysimachia thyrsiflora2
2_409	5	Equisetum fluviatile, Carex rostrata	3–5	Callitriche sp.2, Caltha palustris2, Glyceria maxima4, Lysimachia thyrsiflora2
2_410	5	Glyceria maxima, Equisetum fluviatile, Carex acuta	2–4	Callitriche sp.2, Caltha palustris2, Lysimachia thyrsiflora2
2_411	dry		dry	
2_412	dry		dry	
2_413	dry		dry	
2_414	dry		dry	
2_415	dry		dry	
2_416	dry		dry	
2_417	5	Glyceria maxima, Equisetum fluviatile,Carex acuta	3–5	Carex acuta2, Sparganium sp.2, Caltha palustris2, Glyceria maxima2, Ranunculus aquatilis var. Diffusus4, potamogeton sp.2, Sium latifolium1
2_418	5	Glyceria maxima, Equisetum fluviatile, Galium palustre, Carex acuta	3–5	Carex acuta2, Sparganium sp.2, Caltha palustris2, Glyceria maxima2, Ranunculus aquatilis var. Diffusus4, potamogeton sp.2, Sium latifolium1

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_419	5	Ranunculus aquatilis var. Diffusus, Glyceria maxima	3–5	Carex acuta2, Sparganium sp.2, Caltha palustris2, Glyceria maxima2, Ranunculus aquatilis var. Diffusus4, potamogeton sp.2, Sium latifolium1
2_420	4	Ranunculus aquatilis var. Diffusus, Glyceria maxima	3–5	Sparganium sp.2, Caltha palustris2, Ranunculus aquatilis var. Diffusus4, potamogeton sp.2, Sium latifolium1
2_421	5	Ranunculus aquatilis var. Diffusus	3–5	Sparganium sp.2, Caltha palustris2, Ranunculus aquatilis var. Diffusus4, potamogeton sp.2, Sium latifolium1
2_422	3	Fontinalis sp.	2–5	Sparganium sp.3, Caltha palustris1, Fontinalis sp.4
2_423	dry		2–5	Sparganium sp.3, Caltha palustris1, Fontinalis sp.4
2_424	dry		3–5	Carex acuta2, Callitriche sp.3, Equisetum fluviatile2, Ranunculus flammula3, Cardamine pratensis ssp. palustris1, Caltha palustris3, Myosotis laxa3, Glyceria maxima2, Fontinalis sp.2, Ranunculus aquatilis var. Diffusus2
2_425	dry		3–5	Carex acuta2, Callitriche sp.3, Equisetum fluviatile2, Ranunculus flammula3, Cardamine pratensis ssp. palustris1, Caltha palustris3, Myosotis laxa3, Glyceria maxima2, Fontinalis antipyretica2
2_426	dry		dry	
2_427	dry		dry	
2_428	dry		2–4	Callitriche sp.2, Potentilla palustris2, Cardamine pratensis ssp. palustris1, Phragmites australis2
2_429	dry		2	Potentilla palustris1
2_430	dry		2	Menyanthes trifoliata1, Potentilla palustris1
2_431	dry		2	Menyanthes trifoliata1, Potentilla palustris1
2_432	dry		2–4	Callitriche sp.3, Equisetum fluviatile2
2_433	dry		2–4	Callitriche sp.3, Equisetum fluviatile2
2_434	dry		2–5	Carex elata4
2_435	dry		1	
2_436	dry		1	
2_437	5	Lysimachia thyrsiflora, Hottonia palustris4, Sparganium sp.3	2–5	Hippuris vulgaris, Ranunculus flammula, Juncus sp.
2_438	5	Hottonia palustris, Ranunculus aquatilis var. Diffusus	2–5	Hippuris vulgaris, Ranunculus flammula, Juncus sp., Lysimachia vulgaris
2_439	5	Hottonia palustris, Sparganium sp., Ranunculus aquatilis var. Diffusus	2–5	Hippuris vulgaris, Ranunculus flammula, Juncus sp., Lysimachia vulgaris
2_440	5	Lysimachia thyrsiflora, Ranunculus aquatilis var. Diffusus, Myosotis laxa	2–5	Hippuris vulgaris, Ranunculus flammula, Juncus sp.
2_441	dry		2–5	Typha angustifolia, Hottonia palustris, Sparganium sp., Ranunculus aquatilis var. Diffusus, Myosotis laxa, Carex acuta

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_442	dry		2–5	Typha angustifolia, Hottonia palustris, Sparganium sp., Ranunculus aquatilis var. Diffusus, Myosotis laxa, Carex acuta
2_443	dry		2–5	Typha angustifolia, Hottonia palustris, Sparganium sp., Ranunculus aquatilis var. Diffusus, Myosotis laxa, Carex acuta
2_444	dry		2–5	Typha angustifolia, Carex acuta
2_445	5	Typha angustifolia, Sparganium erectum, Carex acuta	2–5	Typha angustifolia, Sparganium erectum, Carex acuta
2_446	5	Carex acuta, Galium palustre	2–5	Carex acuta, Callitriche sp., Hottonia palustris
2_447	5	Myosotis laxa, Equisetum fluviatile	2–5	Myosotis laxa, Equisetum fluviatile, Lysimachia thyrsiflora
2_448	5	Myosotis laxa5	2–5	Myosotis laxa
2_449	5	Sparganium erectum, Phragmites australis	2–5	Sparganium erectum, Phragmites australis
2_450	5	Sparganium erectum	2–5	Hippuris vulgaris, Equisetum fluviatile
2_451	5	Sparganium erectum	2–5	Ranunculus aquatilis var. Diffusus
2_452	5	Sparganium erectum	2–5	Callitriche sp., Potentilla palustris
2_453	5	Typha angustifolia, Sparganium erectum, Hippuris vulgaris	2–5	Typha angustifolia, Sparganium sp., Hippuris vulgaris
2_454	5	Sparganium erectum, Phragmites australis, Hippuris vulgaris	2–5	Sparganium sp., Phragmites australis, Hippuris vulgaris
2_455	5	Sparganium erectum, Hippuris vulgaris, Hottonia palustris	2–5	Sparganium sp., Hippuris vulgaris, Hottonia palustris
2_456	5	Sparganium erectum, Carex acuta, Potentilla palustris	2–5	Sparganium sp., Carex acuta, Potentilla palustris
2_457	5	Sparganium erectum, Potentilla palustris	2–5	Potentilla palustris
2_458	5	Sparganium erectum, Hottonia palustris	2–5	Hottonia palustris
2_459	5	Sparganium erectum, Hottonia palustris	2–5	Hottonia palustris
2_460	5	Sparganium erectum, Galium palustre, Lysimachia thyrsiflora	2–5	Galium palustre, Lysimachia thyrsiflora
2_461	5	Galium palustre, Lysimachia thyrsiflora, Ranunculus flammula	2–5	Galium palustre, Lysimachia thyrsiflora, Ranunculus flammula
2_462	5	Typha angustifolia, Sparganium erectum, Ranunculus flammula	2–5	Typha angustifolia, Ranunculus flammula
2_463	5	Hottonia palustris, Lysimachia vulgaris	2–5	Hottonia palustris, Lysimachia vulgaris
2_464	5	Sparganium erectum, Hottonia palustris,, Lysimachia thyrsiflora, Phalaris arundinacea	2–5	Sparganium sp., Hottonia palustris,, Lysimachia thyrsiflora, Phalaris arundinacea
2_465	5	Sparganium erectum, Lysimachia thyrsiflora, Phalaris arundinacea	2–5	Sparganium sp., Lysimachia thyrsiflora, Phalaris arundinacea
2_466	5	Sparganium erectum, Hottonia palustris, Phalaris arundinacea	2–5	Hottonia palustris, Phalaris arundinacea
2_467	5	Hottonia palustris, Ranunculus flammula, Ranunculus aquatilis var. Diffusus	2–5	Hottonia palustris, Ranunculus flammula, Ranunculus aquatilis var. Diffusus
2_468	5	Ranunculus flammula, Ranunculus aquatilis var. Diffusus, Carex elata	2–5	Ranunculus flammula, Ranunculus aquatilis var. Diffusus, Carex elata

Sect	Abund.Aug	Dominating species and their distribution in Aug/Sept 2004	Abund. June	Spieces and their distribution found in June 2004
2_469	5	Lysimachia thyrsiflora, Phalaris arundinacea, Ranunculus aquatilis var. Diffusus, Carex elata	2–5	Lysimachia thyrsiflora, Phalaris arundinacea, Ranunculus aquatilis var. Diffusus, Carex elata
2_470	5	Galium palustre, Lysimachia thyrsiflora, Phalaris arundinacea	2–5	Galium palustre, Lysimachia thyrsiflora, Phalaris arundinacea
2_471	5	Galium palustre, Lysimachia thyrsiflora, Ranunculus flammula	2–5	Galium palustre, Lysimachia thyrsiflora, Ranunculus flammula
2_472	5	Sparganium erectum, Galium palustre, Lysimachia thyrsiflora	2–5	Carex acuta
2_473	dry		2–5	Carex acuta, Carex elata, Sparganium sp., Callitriche sp.
2_474	dry		2–5	Carex acuta, Carex elata, Sparganium sp., Callitriche sp.
2_475	dry		2–5	Carex acuta, Carex elata, Sparganium sp., Callitriche sp.
2_476	dry		2–5	Carex acuta, Carex elata, Lycopus europaeus
2_477	dry		2–5	Carex acuta, Carex elata, Lycopus europaeus
2_478	dry		2–5	Carex acuta, Carex elata, Lycopus europaeus
2_479	dry		2–5	Carex acuta, Carex elata, Lycopus europaeus
2_480	dry		2–5	Carex acuta, Carex elata, Lycopus europaeus
2_481	dry		2–5	Carex acuta, Carex elata, Lycopus europaeus
2_482	dry		2–5	Phragmites australis, Typha latifolia
2_483	dry		2–5	Phragmites australis, Typha latifolia
2_484	dry		2–5	Phragmites australis, Typha latifolia
2_485	dry		2–5	Phragmites australis, Typha latifolia
2_486	dry		2–5	Phragmites australis, Typha latifolia
2_487	dry		2–5	Phragmites australis, Typha latifolia
2_488	dry		2–5	Phragmites australis, Typha latifolia
2_489	dry		2–5	Carex acuta, Carex elata
2_490	dry		2–5	Carex acuta, Carex elata
2_491	dry		2–5	Carex acuta, Carex elata
2_492	dry		2–5	Carex acuta, Carex elata
2_493	dry		2–5	Carex acuta, Carex elata
8_1	4	Phragmites australis4, Iris pseudacorus3, Caltha palustris1, Mentha sp.1	3–4	Phragmites australis4, Iris pseudacorus3, Caltha palustris1, Mentha sp.1
8_2	4	Phragmites australis4, Iris pseudacorus3, Caltha palustris1, Mentha sp.1	3–4	Phragmites australis4, Iris pseudacorus3, Caltha palustris1, Mentha sp.1
8_3	3	Phragmites australis2	3–4	Phragmites australis2

Appendix 3

Species of vegetation in rivers of the Forsmark area

Latin	English	Swedish
Alchemilla sp.	Lady's mantle	Daggkåpa
Alisma Plantago–aquatica	Water plan–tain	Svalting
Alnus glutinosa	Alder	Klibbal
Batrachospermaceae	Red alga	Rödalg
Callitriche sp.	Water–starwort	Lånke
Caltha palustris	Marsh–marigold	Kabbeleka
Cardamine pratensis ssp.palustris	Cuckooflower	Kärrbräsma
Carex acuta	Slender Tufted–sedge	Vasstarr
Carex elata	Tufted–sedge	Bunkestarr
Carex rostrata	Bottle sedge	Flaskstarr
Carex sp.	Sedge	Starr
Carex vesicaria	Bladder–sedge	Blåsstarr
Chara virgata	Delicate Stonewort	Kransalg
Equisetum fluviatile	Water Horsetail	Sjöfräken
Eriophorum angustifolium	Common Cottongrass	Ängsull
Filipendula ulmaria	Meadowsweet	Älggräs
Fontinalis antipyretica	Common water moss	Stor näckmossa
Fontinalis dalecarlica	Fontinalis moss	Smal näckmossa
Fontinalis sp.	Water moss	Näckmossa
Galium palustre	Common Marsh–bedstraw	Vattenmåra
Glyceria fluitans	Floating Sweet–grass	Mannagräs
Glyceria maxima	Reed Sweet–grass	Jättegröe
Hippuris vulgaris	Mare´s–tail	Hästsvans
Hottonia palustris	Water–violet	Vattenblink
Hydrocharis morsus–ranae	Frogbit	Dyblad
Iris pseudacorus	Yellow iris	Svärdslilja
Juncus sp.	Rush	Tåg
Lemna minor	Common Duckweed	Vanlig andmat
Lycopus europaeus	Gypsywort	Strandklo
Lysimachia thyrsiflora	Tufted Loosestrife	Topplösa
Lysimachia vulgaris	Yellow Loosestrife	Strandlysing
Mentha arvensis	Corn Mint	Åkermynta
Menyanthes trifoliata	Bogbean	Vattenklöver
Myosotis laxa	Tufted Forget–me–not	Sumpförgätmigej
Myriophyllum spicatum	Spiked Water–milfoil	Axslinga
Nymphaeaceae	Water lily	Näckros
	Periphytic algae	Påväxtalg
Peusedanum palustre	Milk–parsley	Kärrsilja
Phalaris arundinacea	Reed Canary–grass	Rörflen
Phragmites australis	Common Reed	Vass
Potamogeton polygonifolius	Bog Pondweed	Bäcknate
Potamogeton sp.	Pondweed	Nate

Latin	English	Swedish
Potentilla palustris	Marsh Cinquefoil	Kråkklöver
Ranunculus aquatilis var. Diffusus	Thread–leaved Water–crowfoot	Grodmöja
Ranunculus flammula	Lesser Spearwort	Ältranunkel
Ranunculus repens	Creeping Buttercup	Revsmörblomma
Ranunculus sp.	Buttercup	Ranunkel
Rhododendron tomentosum Harmaja	Labrador–tea	Skvattram
Salix sp.	Willow	Vide
Schoenoplectus lacustris	Common Club–rush	Säv
Sium latifolium	Greater Water–parsnip	Vattenmärke
Sparganium erectum	Branched Bur–reed	Stor igelknopp
Sparganium sp.	Unbranched Bur–reed	Igelknopp
Thelypteris palustris	Marsh fern	Kärrbräken
Typha angustifolia	Lesser bulrush	Smalkaveldun
Typha latifolia	Bulrush	Bredkaveldun
Typha sp.	Bulrush	Kaveldun
Vaucheria sp.	Periphytic algae	Svartskinna, Sjalgräs

Appendix 4

Anthropogenic influence on rivers in the Forsmark area

Degree of Excavation: 0=Natural, no excavation, 1=Moderate excavation, 2=Substantial excavation.
D=depth (m), L=length (m), F=height for water to fall down to the substrate (fallhöjd, m).

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_1	040907	1629641	6700613	2	Outlet Gunnarsbo-Lillfj S (into the sea); 2 parallel pipes under road with 5 m distance (D:0.4 L:24.0 F:0.25) resp. (D:0.4 L:24.0 F:0.8) (photox2)
1_2	040907	–	–	2	Outlet Gunnarsbo-Lillfj S; 2 parallel pipes under road with 5 m distance. A barrier for migratory fish.
1_3	040907	1629533	6700676	2	Outlet Gunnarsbo-Lillfj N; pipe (D:0.4 L:11.0 F:0) (photo)
1_4	040907	1629423	6700480	2	Wetland with one main channel filled with water
1_5	040907	–	–	2	Wetland with one main channel filled with water
1_6	040907	–	–	2	Wetland with one main channel filled with water
1_7	040907	–	–	2	Wetland with one main channel filled with water
1_8	040907	–	–	2	(photo)
1_9	040907	–	–	2	
1_10	040907	–	–	2	
1_11	040907	–	–	1	The stream meanders weakly
1_12	040907	–	–	1	The stream meanders weakly
1_13	040907	–	–	1	The stream meanders weakly
1_14	040907	–	–	1	The stream meanders weakly, (photo)
1_15	040907	–	–	1	The stream meanders weakly. The site could be suitable for electro-fishing
1_16	040907	–	–	1	The stream meanders weakly. The site could be suitable for electro-fishing
1_17	040907	–	–	1	The stream meanders weakly. The site could be suitable for electro-fishing
1_18	040907	–	–	1	The stream meanders weakly. The site could be suitable for electro-fishing
1_19	040907	–	–	1	The stream meanders weakly. The site could be suitable for electro-fishing
1_20	040907	–	–	1	The stream meanders weakly
1_21	040907	–	–	1	The stream meanders weakly
1_22	040907	–	–	1	The stream meanders weakly
1_23	040907	–	–	1	The stream meanders weakly
1_24	040907	–	–	2	The stream meanders weakly
1_25	040907	–	–	2	The stream meanders weakly

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_26	040907	–	–	2	
1_27	040907	–	–	2	Road. gravel. The stream runs through a pipe (D:0.6 L:12.0 F:0), almost filled with wood and sediment: Could function as a barrier for migratory fish. (photo)
1_28	040907	–	–	2	
1_29	040907	–	–	2	
1_30	040907	–	–	2	
1_31	040907	–	–	2	
1_32	040907	–	–	2	
1_33	040907	1629366	6700240	2	Tributary from the west, dry channel
1_34	040907	–	–	2	Pipes are lying in the water D: 0.3 m
1_35	040907	–	–	2	
1_36	040907	–	–	2	
1_37	040907	–	–	2	
1_38	040907	–	–	2	
1_39	040907	–	–	2	
1_40	040907	–	–	2	
1_41	040907	–	–	2	
1_42	040907	–	–	2	
1_43	040907	–	–	2	
1_44	040907	–	–	2	
1_45	040907	–	–	2	
1_46	040907	–	–	2	
1_47	040907	–	–	2	
1_48	040907	–	–	2	
1_49	040907	–	–	2	
1_50	040907	–	–	2	
1_51	040907	–	–	2	
1_52	040907	–	–	2	
1_53	040907	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_54	040907	–	–	2	Tributary from the west.
1_55	040907	–	–	2	
1_56	040907	–	–	2	
1_57	040907	–	–	2	
1_58	040907	–	–	2	
1_59	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_60	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_61	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_62	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_63	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_64	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_65	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_66	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_67	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_68	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_69	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_70	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_71	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_72	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_73	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_74	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_75	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_76	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_77	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_78	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_79	040907	–	–	2	
1_80	040907	–	–	2	
1_81	040907	–	–	2	
1_82	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_83	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_84	040907	–	–	2	Dense growth of Phragmites australis along the west side of the stream
1_85	040907	–	–	1	Dense growth of Phragmites australis along the west side of the stream

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_86	040907	–	–	1	
1_87	040907	–	–	1	
1_88	040907	–	–	1	Dry Fontinalis-moss on the cobbles and boulders in the channel
1_89	040907	–	–	1	
1_90	040907	–	–	2	
1_91	040907	–	–	2	
1_92	040907	–	–	2	
1_93	040907	–	–	2	
1_94	040907	–	–	1	
1_95	040907	–	–	1	
1_96	040907	–	–	1	
1_97	040907	–	–	1	
1_98	040907	–	–	1	Photo on the vegetation (Carex vesicaria)
1_99	040907	–	–	1	
1_100	040907	–	–	1	
1_101	040907	–	–	1	
1_102	040907	–	–	1	
1_103	040907	–	–	1	Four Birch-trunks D: 0.3 m lying along the channel in the water
1_104	040907	–	–	1	
1_105	040907	–	–	1	
1_106	040907	–	–	1	
1_107	040907	–	–	1	
1_108	040907	–	–	1	
1_109	040907	–	–	1	Outlet from Lake Labbotträsket
1_110	040907	–	–	0	Inlet to Lake Labbotträsket
1_111	040907	–	–	0	
1_112	040907	–	–	0	
1_113	040907	–	–	0	
1_114	040907	–	–	0	The stream meanders weakly

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_115	040907	–	–	0	The stream meanders strongly (growth of fontinalis-moss)
1_116	040907	–	–	0	The stream meanders weakly (growth of fontinalis-moss)
1_117	040907	–	–	0	The stream meanders weakly (growth of fontinalis-moss)
1_118	040907	–	–	0	The stream meanders weakly (growth of fontinalis-moss)
1_119	040907	–	–	0	The stream meanders weakly (growth of fontinalis-moss)
1_120	040907	–	–	0	The stream meanders weakly (growth of fontinalis-moss)
1_121	040907	–	–	0	The stream meanders weakly (growth of fontinalis-moss)
1_122	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_123	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_124	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_125	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_126	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_127	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_128	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_129	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_130	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_131	040907	–	–	0	The stream runs through a wetland with Carex sp., and also some Alnus glutinosa
1_132	040907	–	–	0	The stream runs through a delta with forest
1_133	040907	–	–	0	The stream runs through a delta with forest
1_134	040907	–	–	0	The stream runs through a delta with forest
1_135	040907	–	–	0	The stream runs through a delta with forest
1_136	040907	–	–	0	The stream runs through a delta with forest
1_137	040907	–	–	0	The stream runs through a delta with forest
1_138	040907	–	–	0	The stream runs through a delta with forest
1_139	040907	–	–	0	The stream runs through a delta with forest
1_140	040907	–	–	0	The stream runs through a delta with forest
1_141	040907	–	–	0	The stream runs through a delta with forest
1_142	040907	–	–	0	The stream runs through a delta with forest
1_143	040907	–	–	0	The stream runs through a delta with forest

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_144	040907	–	–	0	The stream runs through a delta with forest
1_145	040907	–	–	0	The stream runs through a delta with forest
1_146	040907	–	–	0	The stream runs through a delta with forest
1_147	040907	1629480	6699053	0	The stream runs through a delta (only two channels) with forest (photo)
1_148	040907	–	–	0	The stream meanders weakly
1_149	040907	–	–	0	The stream meanders weakly
1_150	040907	–	–	0	The stream meanders weakly
1_151	040907	–	–	1	The stream meanders weakly
1_152	040907	–	–	1	The stream meanders weakly
1_153	040907	–	–	1	The stream meanders weakly
1_154	040907	–	–	1	The stream meanders weakly
1_155	040907	–	–	1	The stream meanders weakly. Dam with an assumed downstream calm water (hölja); could function as a barrier to migratory fish. (photo)
1_156	040907	–	–	1	The stream meanders weakly
1_157	040907	–	–	1	The stream meanders weakly (photo)
1_158	040907	–	–	1	The stream meanders weakly
1_159	040907	–	–	1	The stream meanders weakly
1_160	040907	–	–	1	
1_161	040907	–	–	1	
1_162	040907	–	–	1	
1_163	040907	–	–	1	
1_164	040907	–	–	2	Road. gravel. The stream runs through a pipe (D:0.6 L:6.0 F:0, photo). Could function as a barrier for migratory fish.
1_165	040810	1629330	6699060	2	
1_166	040810	–	–	2	
1_167	040810	–	–	2	
1_168	040810	–	–	2	
1_169	040810	–	–	2	
1_170	040810	–	–	2	
1_171	040810	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_172	040810	–	–	2	
1_173	040810	–	–	2	
1_174	040810	–	–	2	
1_175	040810	–	–	2	
1_176	040810	–	–	2	
1_177	040810	–	–	2	
1_178	040810	1629224	6698997	2	Tributary from the south
1_179	040810	–	–	2	
1_180	040810	–	–	2	
1_181	040810	–	–	2	
1_182	040810	–	–	2	
1_183	040810	–	–	2	
1_184	040810	–	–	2	
1_185	040810	–	–	2	
1_186	040810	1629171	6699049	2	
1_187	040810	–	–	2	
1_188	040810	–	–	2	
1_189	040810	–	–	2	
1_190	040810	–	–	2	
1_191	040810	1629123	6699083	2	
1_192	040810	1629354	6700232	2	
1_193	040810	–	–	2	
1_194	040810	–	–	2	
1_195	040810	–	–	2	
1_196	040810	–	–	2	
1_197	040810	–	–	2	
1_198	040810	–	–	2	
1_199	040810	–	–	2	
1_200	040810	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
1_201	040810	–	–	2	
1_202	040810	–	–	2	Road. gravel. The stream runs through a pipe (D:0.4 L:5.0 F:0). Ballast from the road in the water.
1_203	040810	–	–	2	
1_204	040810	–	–	2	
1_205	040810	–	–	2	
1_206	040810	–	–	2	
1_207	040810	–	–	2	
1_208	040810	–	–	2	
1_209	040810	–	–	2	
1_210	040810	–	–	2	
1_211	040810	–	–	2	
1_212	040810	–	–	2	
1_213	040810	–	–	2	
1_214	040810	–	–	2	
1_215	040810	–	–	2	
1_216	040810	–	–	2	
1_217	040810	–	–	2	
1_218	040810	–	–	2	
1_219	040810	–	–	2	
1_220	040810	–	–	2	
1_221	040810	1629104	6700296	2	
1_222	040810	–	–	2	
2_1	040907	1631729	6698791	2	Inlet to Lake Bolundsfjärden. The most downstream investigated section of the stream.
2_2	040907	–	–	2	
2_3	040907	–	–	2	
2_4	040907	–	–	2	
2_5	040907	–	–	2	
2_6	040907	–	–	2	The site could be suitable for electro-fishing
2_7	040907	–	–	2	The site could be suitable for electro-fishing

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_8	040907	–	–	2	The site could be suitable for electro-fishing
2_9	040907	–	–	2	Hydrological stn, bars with 10 cm openings that could function as a barrier to migratory fish due to all coarse org mtrl stuck in it
2_10	040907	–	–	2	
2_11	040907	–	–	2	Road, gravel. The stream runs through a concrete pipe (D:0.6 L:6.0 F:0). Could function as a barrier for migratory fish.
2_12	040907	–	–	2	
2_13	040907	–	–	2	
2_14	040907	–	–	2	
2_15	040907	–	–	2	
2_16	040907	–	–	2	
2_17	040907	–	–	2	
2_18	040907	–	–	2	
2_19	040914	–	–	2	
2_20	040914	–	–	2	
2_21	040914	–	–	2	
2_22	040914	–	–	2	
2_23	040914	–	–	2	
2_24	040914	–	–	2	
2_25	040914	–	–	2	
2_26	040914	–	–	2	
2_27	040914	–	–	2	
2_28	040914	–	–	2	
2_29	040914	–	–	2	
2_30	040914	–	–	2	Road, gravel. The stream runs through a plastic pipe (D:0.4 L:6.0 F:0, photo). Could function as a barrier for migratory fish.
2_31	040914	–	–	2	
2_32	040914	–	–	2	
2_33	040914	–	–	2	
2_34	040914	–	–	2	
2_35	040914	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_36	040914	–	–	2	
2_37	040914	–	–	2	
2_38	040914	–	–	2	
2_39	040914	–	–	2	
2_40	040914	–	–	2	
2_41	040914	–	–	2	
2_42	040914	–	–	2	
2_43	040914	–	–	2	
2_44	040914	–	–	2	Tributary from the west, with depth 0.1 m and width 1.8 m
2_45	040914	1631579	6698455	2	
2_46	040914	–	–	2	The stream runs through some wetland with Alnus glutinosa
2_47	040914	–	–	2	The stream runs through some wetland with Alnus glutinosa
2_48	040914	–	–	2	The stream runs through some wetland with Alnus glutinosa
2_49	040914	–	–	2	The stream runs through some wetland with Alnus glutinosa
2_50	040914	–	–	2	The stream runs through some wetland with Alnus glutinosa
2_51	040914	–	–	2	The stream runs through some wetland with Phragmites australis
2_52	040914	–	–	2	The stream runs through some wetland with Phragmites australis
2_53	040914	–	–	2	The stream runs through some wetland with Phragmites australis
2_54	040914	–	–	2	The stream runs through some wetland with Phragmites australis
2_55	040914	–	–	2	The stream runs through some wetland with Phragmites australis
2_56	040914	–	–	2	The stream runs through some wetland with Phragmites australis
2_57	040914	–	–	2	The stream runs through some wetland with Phragmites australis
2_58	040914	–	–	2	A tree-trunk in the stream along the channel
2_59	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_60	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_61	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_62	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_63	040914	–	–	2	The stream runs in a ravine (D: 1 m)

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_64	040914	–	–	2	The stream runs in a ravine (D: 1 m). Tributary from the west, dry channel
2_65	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_66	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_67	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_68	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_69	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_70	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_71	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_72	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_73	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_74	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_75	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_76	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_77	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_78	040914	–	–	2	The stream runs in a ravine (D: 1 m)
2_79	040914	–	–	2	Road, gravel. The stream runs through a concrete pipe (D:0.6 L:8.0 F:0, photo). Could function as a barrier for migratory fish.
2_80	040914	–	–	2	
2_81	040914	–	–	2	
2_82	040914	–	–	2	
2_83	040914	–	–	2	
2_84	040914	–	–	2	
2_85	040914	–	–	2	
2_86	040914	–	–	2	
2_87	040914	–	–	2	
2_88	040914	–	–	2	
2_89	040914	–	–	2	
2_90	040914	–	–	2	
2_91	040914	–	–	2	Tributary from the west, dry channel

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_92	040914	–	–	2	
2_93	040914	–	–	2	
2_94	040914	–	–	2	
2_95	040914	–	–	2	
2_96	040914	–	–	2	
2_97	040914	–	–	2	
2_98	040914	–	–	2	
2_99	040914	–	–	2	Tree-trunks lying across the channel H:0.1 (photo)
2_100	040914	–	–	2	
2_101	040914	–	–	2	
2_102	040914	–	–	2	
2_103	040914	–	–	2	
2_104	040914	–	–	2	One tree-trunk lying across the channel H:0.25 (photo)
2_105	040914	–	–	2	
2_106	040914	–	–	2	
2_107	040914	–	–	2	
2_108	040914	–	–	2	
2_109	040914	–	–	2	
2_110	040914	–	–	2	
2_111	040914	–	–	2	
2_112	040914	–	–	2	
2_113	040914	–	–	2	
2_114	040914	–	–	2	
2_115	040914	–	–	2	
2_116	040914	–	–	2	
2_117	040914	–	–	2	
2_118	040914	–	–	2	
2_119	040914	–	–	2	
2_120	040914	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation Anthropogenic influence, and other field notes
2_121	040914	–	–	2
2_122	040810	–	–	2
2_123	040810	–	–	2
2_124	040810	–	–	2
2_125	040810	–	–	2
2_126	040810	–	–	2
2_127	040810	–	–	2
2_128	040810	–	–	2
2_129	040810	–	–	2
2_130	040810	–	–	2
2_131	040810	–	–	2
2_132	040810	–	–	2
2_133	040810	–	–	2
2_134	040810	–	–	2
2_135	040810	–	–	2
2_136	040810	–	–	2
2_137	040810	–	–	2
2_138	040810	–	–	2
2_139	040810	–	–	2
2_140	040810	–	–	2
2_141	040810	–	–	2
2_142	040810	–	–	2
2_143	040810	–	–	2
2_144	040810	–	–	2
2_145	040810	–	–	2
2_146	040810	–	–	2
2_147	040810	–	–	2
2_148	040810	–	–	2

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_149	040810	–	–	2	Road, gravel. The stream runs through a concrete pipe (D:0.3 L:8.0 F:0, photo). Could function as a barrier for migratory fish.
2_150	040810	–	–	2	
2_151	040810	–	–	2	
2_152	040810	–	–	2	
2_153	040810	–	–	2	
2_154	040810	–	–	2	
2_155	040810	–	–	2	
2_156	040810	–	–	2	
2_157	040810	–	–	2	Outlet from Lake Stocksjön
2_158	040809	–	–	2	Inlet into Lake Stocksjön
2_159	040809	–	–	2	
2_160	040809	–	–	2	
2_161	040809	–	–	2	
2_162	040809	–	–	2	
2_163	040809	–	–	2	
2_164	040809	–	–	2	
2_165	040809	–	–	2	
2_166	040809	–	–	2	
2_167	040809	–	–	2	
2_168	040809	–	–	2	
2_169	040809	–	–	2	Road, gravel. The stream runs through a pipe (D:0.32 L:3.5 F:0.15). Could function as a barrier for migratory fish.
2_170	040809	–	–	2	
2_171	040809	–	–	2	
2_172	040809	–	–	2	
2_173	040809	–	–	2	
2_174	040809	–	–	2	
2_175	040809	–	–	2	
2_176	040809	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_177	040809	–	–	2	
2_178	040809	–	–	2	
2_179	040809	–	–	2	
2_180	040809	–	–	2	
2_181	040809	–	–	2	
2_182	040809	–	–	2	
2_183	040809	–	–	2	
2_184	040809	–	–	2	Outlet from Lake Eckarfjärden
2_185	040809	–	–	2	Inlet into Lake Eckarfjärden
2_186	040809	–	–	2	
2_187	040809	–	–	2	
2_188	040809	–	–	2	
2_189	040809	–	–	2	
2_190	040809	–	–	1	
2_191	040809	–	–	1	
2_192	040809	–	–	1	
2_193	040809	–	–	1	
2_194	040914	1631578	6698450	1	The tributary from Lake Gällsboträsket drains into the main channel (photo)
2_195	040914	–	–	1	
2_196	040914	–	–	1	
2_197	040914	–	–	1	
2_198	040914	–	–	1	
2_199	040914	–	–	1	
2_200	040914	–	–	1	
2_201	040914	–	–	1	(photo)
2_202	040914	–	–	1	
2_203	040914	–	–	1	
2_204	040914	–	–	1	
2_205	040914	–	–	1	

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_206	040914	–	–	1	
2_207	040914	–	–	1	
2_208	040914	–	–	2	Broken wooden bridge H:0.1 and 0 m (photo).
2_209	040914	–	–	2	
2_210	040914	–	–	2	
2_211	040914	–	–	2	
2_212	040914	–	–	2	
2_213	040914	–	–	2	
2_214	040914	–	–	2	
2_215	040914	–	–	2	
2_216	040914	–	–	2	
2_217	040914	–	–	2	
2_218	040914	–	–	2	
2_219	040914	–	–	2	
2_220	040914	–	–	2	
2_221	040914	–	–	2	
2_222	040914	–	–	2	
2_223	040914	–	–	2	
2_224	040914	–	–	2	
2_225	040914	–	–	2	
2_226	040914	–	–	2	
2_227	040914	–	–	2	
2_228	040914	–	–	2	
2_229	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel (photo)
2_230	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_231	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_232	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_233	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_234	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_235	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_236	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_237	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_238	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_239	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_240	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_241	040914	–	–	2	Poles (diam 0.06-0.1m) in pairs along the section (0.6-1.0 m between the pairs) and boards along the sides of the channel
2_242	040914	–	–	2	Road covered with grass goes through the channel into the water (photo)
2_243	040914	–	–	2	
2_244	040914	–	–	2	
2_245	040914	–	–	2	
2_246	040914	–	–	2	
2_247	040914	–	–	2	
2_248	040914	–	–	1	
2_249	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_250	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_251	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_252	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_253	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_254	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_255	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_256	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_257	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_258	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_259	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_260	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_261	040914	–	–	1	Wetland mainly with Phragmites australis, but also some Alnus glutinosa
2_262	040914	–	–	1	Outlet from Lake Gällsboträsket

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_263	040809	–	–	2	Inlet into Lake Gällsboträsket
2_264	040809	–	–	2	
2_265	040809	–	–	2	
2_266	040809	–	–	2	
2_267	040809	–	–	2	
2_268	040809	–	–	2	
2_269	040809	–	–	2	
2_270	040809	–	–	2	
2_271	040809	–	–	2	
2_272	040809	–	–	2	
2_273	040809	–	–	2	
2_274	040809	–	–	2	
2_275	040809	–	–	2	
2_276	040809	–	–	2	
2_277	040809	–	–	2	
2_278	040809	–	–	2	
2_279	040809	–	–	2	
2_280	040809	–	–	2	
2_281	040809	–	–	2	
2_282	040809	–	–	2	
2_283	040809	–	–	2	
2_284	040809	–	–	2	
2_285	040809	–	–	2	
2_286	040809	–	–	2	
2_287	040809	–	–	2	
2_288	040809	–	–	2	
2_289	040809	–	–	2	
2_290	040809	–	–	2	
2_291	040809	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation Anthropogenic influence, and other field notes
2_292	040809	–	–	2
2_293	040809	–	–	2
2_294	040809	–	–	2
2_295	040809	–	–	2
2_296	040809	–	–	2
2_297	040809	–	–	2
2_298	040809	–	–	2
2_299	040809	–	–	2
2_300	040809	–	–	2
2_301	040809	–	–	2
2_302	040809	–	–	2
2_303	040809	–	–	2
2_304	040809	–	–	2
2_305	040809	–	–	2
2_306	040809	–	–	2
2_307	040809	–	–	2
2_308	040809	–	–	2
2_309	040809	–	–	2
2_310	040809	–	–	2
2_311	040809	–	–	2
2_312	040809	–	–	2
2_313	040809	–	–	2
2_314	040809	–	–	2
2_315	040809	–	–	2
2_316	040809	–	–	2
2_317	040809	–	–	2
2_318	040809	–	–	2
2_319	040809	–	–	2

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_320	040809	–	–	2	
2_321	040809	–	–	2	
2_322	040809	–	–	2	
2_323	040809	–	–	2	
2_324	040809	–	–	2	
2_325	040809	–	–	2	
2_326	040809	–	–	2	
2_327	040809	–	–	2	
2_328	040809	–	–	2	
2_329	040809	–	–	2	
2_330	040809	–	–	2	
2_331	040809	–	–	2	
2_332	040809	–	–	2	
2_333	040809	–	–	2	
2_334	040809	1630760	6697939	2	
2_335					The wetland Djupträsket, not investigated section
2_336					The wetland Djupträsket, not investigated section
2_337					The wetland Djupträsket, not investigated section
2_338					The wetland Djupträsket, not investigated section
2_339					The wetland Djupträsket, not investigated section
2_340					The wetland Djupträsket, not investigated section
2_341					The wetland Djupträsket, not investigated section
2_342					The wetland Djupträsket, not investigated section
2_343					The wetland Djupträsket, not investigated section
2_344					The wetland Djupträsket, not investigated section
2_345					The wetland Djupträsket, not investigated section
2_346					The wetland Djupträsket, not investigated section
2_347					The wetland Djupträsket, not investigated section
2_348					The wetland Djupträsket, not investigated section

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_349					The wetland Djupträsket, not investigated section
2_350					The wetland Djupträsket, not investigated section
2_351					The wetland Djupträsket, not investigated section
2_352					The wetland Djupträsket, not investigated section
2_353					The wetland Djupträsket, not investigated section
2_354					The wetland Djupträsket, not investigated section
2_355	040809	–	–	2	
2_356	040809	–	–	2	
2_357	040809	–	–	2	
2_358	040809	–	–	2	
2_359	040809	–	–	2	
2_360	040809	–	–	2	
2_361	040809	–	–	2	
2_362	040809	–	–	2	
2_363	040809	–	–	2	
2_364	040809	–	–	2	
2_365	040809	–	–	2	
2_366	040809	–	–	2	
2_367	040809	–	–	2	
2_368	040809	–	–	2	
2_369	040809	–	–	2	
2_370	040809	–	–	2	
2_371	040809	–	–	2	
2_372	040809	–	–	2	
2_373	040809	–	–	2	
2_374	040809	–	–	2	
2_375	040809	–	–	2	
2_376	040809	–	–	2	
2_377	040809	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation Anthropogenic influence, and other field notes
2_378	040809	–	–	2
2_379	040809	–	–	2
2_380	040809	–	–	2
2_381	040809	–	–	2
2_382	040809	–	–	2
2_383	040809	–	–	2
2_384	040809	–	–	2
2_385	040809	–	–	2
2_386	040809	–	–	2
2_387	040809	–	–	2
2_388	040809	–	–	2
2_389	040809	–	–	2
2_390	040809	–	–	2
2_391	040809	–	–	2
2_392	040809	–	–	2
2_393	040809	–	–	2
2_394	040809	–	–	2
2_395	040809	–	–	2
2_396	040809	–	–	2
2_397	040809	–	–	2
2_398	040809	–	–	2
2_399	040809	–	–	2
2_400	040809	–	–	2
2_401	040809	–	–	2
2_402	040809	–	–	2
2_403	040809	–	–	2
2_404	040809	–	–	2
2_405	040809	–	–	2
2_406	040809	–	–	2
2_407	040809	–	–	2

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_408	040809	–	–	2	
2_409	040809	–	–	2	
2_410	040809	–	–	2	
2_411	040809	–	–	2	
2_412	040809	–	–	2	
2_413	040809	–	–	2	
2_414	040809	–	–	2	
2_415	040809	–	–	2	
2_416	040809	–	–	2	
2_417	040809	–	–	2	
2_418	040809	–	–	2	
2_419	040809	–	–	2	
2_420	040809	–	–	2	
2_421	040809	–	–	2	
2_422	040809	–	–	2	
2_423	040809	–	–	2	
2_424	040809	–	–	2	
2_425	040809	–	–	2	
2_426	040809	–	–	2	
2_427	040809	–	–	2	
2_428	040809	–	–	2	
2_429	040809	–	–	2	
2_430	040809	–	–	2	
2_431	040809	–	–	2	
2_432	040809	–	–	2	
2_433	040809	–	–	2	
2_434	040809	–	–	2	
2_435	040809	–	–	2	
2_436	040809	1630635	6697411	2	The most upstream section in the tributary, a pole is situated at the end of it.
2_437	040809	–	–	2	

Sect.no	Date	X	Y	Degree of Excavation Anthropogenic influence, and other field notes
2_438	040809	–	–	2
2_439	040809	–	–	2
2_440	040809	–	–	2
2_441	040809	–	–	2
2_442	040809	–	–	2
2_443	040809	–	–	2
2_444	040809	–	–	2
2_445	040809	–	–	2
2_446	040809	–	–	2
2_447	040809	–	–	2
2_448	040809	–	–	2
2_449	040809	–	–	2
2_450	040809	–	–	2
2_451	040809	–	–	2
2_452	040809	–	–	2
2_453	040809	–	–	2
2_454	040809	–	–	2
2_455	040809	–	–	2
2_456	040809	–	–	2
2_457	040809	–	–	2
2_458	040809	–	–	2
2_459	040809	–	–	2
2_460	040809	–	–	2
2_461	040809	–	–	2
2_462	040809	–	–	2
2_463	040809	–	–	2
2_464	040809	–	–	2
2_465	040809	–	–	2
2_466	040809	–	–	2
2_467	040809	–	–	2

Sect.no	Date	X	Y	Degree of Excavation	Anthropogenic influence, and other field notes
2_468	040809	–	–	2	
2_469	040809	–	–	2	
2_470	040809	–	–	2	
2_471	040809	–	–	2	
2_472	040809	–	–	2	
2_473	040809	–	–	2	
2_474	040809	–	–	2	
2_475	040809	–	–	2	
2_476	040809	–	–	2	
2_477	040809	–	–	2	
2_478	040809	–	–	2	
2_479	040809	–	–	2	
2_480	040809	–	–	2	
2_481	040809	–	–	2	
2_482	040809	–	–	2	
2_483	040809	–	–	2	
2_484	040809	–	–	2	
2_485	040809	–	–	2	
2_486	040809	–	–	2	
2_487	040809	–	–	2	
2_488	040809	–	–	2	
2_489	040809	–	–	2	
2_490	040809	–	–	2	
2_491	040809	–	–	2	
2_492	040809	–	–	2	
2_493	040809	–	–	2	
8_1	040907	–	–	0	Outlet to the sea
8_2	040907	–	–	0	
8_3	040907	–	–	1	Outlet from Lake Fiskarfjärden