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Chemical characteristics of surface systems in the Forsmark area

Visualisation and statistical evaluation of data from shallow groundwater, precipitation, and regolith

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Abstract

The Swedish Nuclear Fuel and Waste management Co (SKB) initiated site investigations for a deep repository for spent nuclear fuel at two different sites in Sweden, Forsmark and Oskarshamn, in 2002. This report evaluates the results from chemical investigations of the surface system in the Forsmark area during the period November 2002 – March 2005. The evaluation includes data from surface waters (lakes, streams and the sea), precipitation, shallow groundwater and regolith (till, soil, peat, sediments and biota) in the area. Results from surface waters are not presented in this report since these were treated in a recently published report /Sonesten 2005/, but statistics for surface water data are compiled on the enclosed CD.

The main focus of the study is to visualize the vast amount of data collected hitherto in the site investigations, and to give a chemical characterisation of the investigated media at the site. The results will be used to support the site descriptive models, which in turn are used for safety assessment studies and for the environmental impact assessment.

The data used consist of water chemical composition in lakes, streams, coastal sites, and in precipitation, predominantly sampled on a monthly basis, and in groundwater from soil tubes and wells, sampled up to four times per year. Moreover, regolith data includes information on the chemical composition of till, soil, sediment and vegetation samples from the area.

The characterisations include all measured chemical parameters, i.e. major and minor constituents, trace elements, nutrients, isotopes and radio nuclides, as well as field measured parameters. The evaluation of data from each medium has been divided into the following parts:

- Characterisation of individual sampling sites, and comparisons within and among sampling sites as well as comparisons with local, regional and national reference data.
- Analysis of time trends and seasonal variation (for shallow groundwater).
- Exploration of relationships among the various chemical parameters.

For all investigated parameters, the report presents selected statistics for each sampling site, as well as for available reference data. A more comprehensive statistical description of the data is given per investigated parameter in appendices on the enclosed CD.

Sammanfattning

Svensk Kärnbränslehantering AB (SKB) genomför sedan 2002 platsundersökningar på två platser i Sverige, Forsmark och Oskarshamn, med syftet att undersöka platsernas lämplighet för ett slutförvar för använt kärnbränsle. I denna rapport utvärderas resultaten från samtliga kemiska undersökningar av ekosystemet ovan bergrunden som har genomförts i Forsmarksområdet under perioden november 2002 – mars 2005. Utvärderingen omfattar data från ytvatten (sjöar, vattendrag och hav), nederbörd, ytligt grundvatten och kvartära avlagringar (morän, jordmån, torv och sediment) och biota i området. Resultaten från undersökningarna av ytvatten redovisas inte i denna rapport, eftersom dessa behandlades utförligt i en nyligen publicerad rapport /Sonesten 2005/. Detaljerad statistik finns dock sammanställd även för ytvattendata på den medföljande CD:n.

Denna rapport syftar dels till att sammanställa och visualisera den stora mängd kemiska data som hittills har insamlats från ekosystemet i samband med platsundersökningarna, och dels till att ge en beskrivning och karaktärisering av de kemiska förhållandena i undersökta medier på platsen. Resultaten kommer att användas som underlag för de platsbeskrivande modeller som tas fram under platsmodelleringen, vilka i sin tur kommer att användas vid säkerhetsanalysen och miljökonsekvensbeskrivningen av ett eventuellt framtida slutförvar.

De data som används i utvärderingen består av vattenkemiska data från sjöar, vattendrag, hav och nederbörd, med provtagning i huvudsak en gång per månad, och från prover av ytligt grundvatten i borrhållsborr och brunnar, provtagna upp till 4 gånger per år. Vidare ingår data som beskriver den kemiska sammansättningen i prover av morän, jordmån, sediment och vattenlevande växter från området. Beskrivningarna inkluderar samtliga analyserade parametrar, dvs. huvudkomponenter, spårämnen, närsalter, isotoper och radionuklider, samt ett antal fältmätta parametrar.

Utvärderingen av data från respektive medium har delats upp i följande delar:

- Karaktärisering av enskilda provtagningsobjekt, jämförelser mellan olika provtagningsobjekt, och jämförelser mellan platsdata och tillgängliga lokala, regionala och nationella referensdata.
- Analys av tidsserier och säsongsvariation (för data från yt- och grundvatten).
- Analys av samband mellan olika kemiska parametrar och mellan olika provtagningsobjekt.

I rapporten presenteras, för samtliga undersökta parametrar, ett antal statistiska mått för varje provtagningsobjekt och för referensdata. En mer utförlig statistisk beskrivning av data ges i de appendix som finns på den CD som medföljer den tryckta rapporten.

Extended summary

The Swedish Nuclear Fuel and Waste management Co (SKB) is currently conducting site investigations at two sites, Oskarshamn and Forsmark, with the objective of siting a geological repository for spent nuclear fuel. This report evaluates the results from chemical investigations of the surface system in the Forsmark area during the period November 2002 – March 2005. The main focus of the report is to visualise the vast amount of data collected hitherto in the site investigations, and to give a chemical description of surface waters, precipitation, groundwater and regolith in the area. Underlying processes, and important premises for the evolution of the chemical composition of surface water and groundwater, are only to a minor extent discussed in this report.

The data used consist of water chemical composition in lakes, streams, coastal sites, and precipitation, predominantly sampled on a monthly basis, and in groundwater from soil tubes and wells. Moreover, regolith data includes information on the chemical composition of till, soil and sediment samples from the area. The characterisations include all measured chemical parameters, i.e. major and minor constituents, trace elements, nutrients, isotopes and radio nuclides, as well as field measured parameters.

Results from surface waters are not presented in this report since these were treated in a recently published report /Sonesten 2005/. However, statistics for surface water data are compiled on the enclosed CD.

Chemical characteristics of shallow groundwater in the Forsmark area

The shallow groundwater in the Forsmark area is characterised by high pH-values and high contents of major constituents, especially calcium and bicarbonate. 'Lower' located soil tubes, in presumably discharge areas, are strongly influenced by marine relics, resulting in high content of e.g. chloride, bromide, sodium and manganese. Soil tubes at 'higher' locations, presumably in recharge areas, show clear influences of the calcite rich overburden, resulting in very high levels of calcium, bicarbonate and strontium.

Several parameters show large deviations when the Forsmark data is compared with national reference data. For calcium, bicarbonate and manganese, the median concentrations in the Forsmark area corresponds to the 90th percentile of the national reference data from Swedish wells, indicating very high values in a national context.

Summary per element

Major and minor constituent

The shallow groundwaters in the Forsmark area can be divided in two main water types with respect to the content of major constituents: the Ca-HCO₃ type that is found in 'higher' located soil tubes (presumably recharge areas) and the Na-HCO₃ or Na-Cl types that are found in most 'lower' located soil tubes (presumably discharge areas).

The calcium and bicarbonate levels deviate substantially from the levels normally found in excavated wells of Sweden. The median values in the Forsmark area corresponds to the 90:th percentile of Swedish distributions. According to the classification in the Swedish Environmental Quality Criteria for groundwater/Naturvårdsverket 1999b/, the alkalinity in all samples from shallow groundwater is 'very high' (the major part of the alkalinity consists of bicarbonate).

Strontium, which is closely correlated to calcium, shows elevated levels compared to the measurements in the Simpevarp area. When data from lake water in the Forsmark area is compared to other lakes in Sweden, the strontium concentrations are seven times higher, indicating that strontium occur in elevated levels.

Manganese occurs in elevated concentrations in the Forsmark area compared to the rest of Sweden. In soil tubes situated at 'higher' locations the concentrations are elevated 40 times compared to the median value of undisturbed shallow groundwaters of Sweden.

The major constituents of sea water, e.g. chloride, sodium, magnesium and sulphate occur in elevated levels in many of the soil tubes due to influences of relict marine water. This fact is also reflected in many surface waters, where elevated concentrations are measured compared to most lakes in Sweden. In the upstream sub-catchments of the Forsmark area, e.g. Eckarfjärden, there are no elevated levels of chloride, underlining the rather recent marine origin of these constituents.

Carbon, nitrogen and phosphorus

Most of the *organic carbon* occurs as dissolved carbon species. The particulate fraction usually constitutes a minor part of the total organic carbon. The lowest concentrations of organic carbon are found in 'lower' located soil tubes, especially in the groundwater in the quaternary deposits below lakes and sea. Most of the *dissolved inorganic carbon* consists of bicarbonate.

In soil tubes at 'lower' levels (presumably in discharge areas) the major part of the *total nitrogen* usually occurs as ammonium. In contrast, most of the soil tubes at 'higher' levels (presumably in recharge areas) occur as dissolved organic nitrogen. Most of the *total phosphorus* occurs as particulate species. In general, only a minor fraction of the total phosphorus consists of phosphate.

Redox potential

The coarse classification of redox potential, based on a scheme from the Swedish Environmental Quality Criteria for groundwater /Naturvårdsverket 1999b/, shows that the redox potential is 'low' in most soil tubes. There are two exceptions, SFM0009 and SFM0060, where the redox potential is 'high'. These findings agree with the results of the in situ sonde measurements.

In soil tubes where the redox potential is classed as low, hydrogen sulphide concentrations are usually elevated and the fraction of Fe²⁺ of total iron is usually substantial. On the contrary, soil tubes classed as high redox potential usually shows a fraction of Fe²⁺ lower than 50% of total iron.

Trace elements

Almost forty trace elements have been measured in samples from shallow groundwater and surface water. When the concentrations are studied along the flow paths, there are examples of both increasing and decreasing concentrations from recharging groundwater to sea water.

The concentrations of the rare earth elements (REE), e.g. lanthanum, ytterbium and lutetium, tend to occur in higher concentrations in recharge waters compared to discharge waters and surface waters. When concentrations in lakes in the Forsmark area are compared to other lakes in Sweden, there are no clear differences, indicating rather normal levels in a national perspective.

There is tendency that the arsenic concentration is slightly elevated in shallow groundwater in the Forsmark area. However, when arsenic concentrations in the Forsmark lakes and streams are compared to rest of Sweden, there is no obvious elevation of the arsenic levels.

The uranium content in shallow groundwater shows rather normal values compared to other Swedish groundwaters. The concentrations in the lakes are, on the other hand, highly elevated compared to most lakes in Sweden. The latter is also seen for molybdenum, possibly indicating that the distribution of these rather mobile elements is different in the Forsmark area compared to other areas in Sweden.

Rubidium and molybdenum generally show higher concentrations in 'lower' located soil tubes compared to 'higher' located tubes, and the highest concentrations are found in sea water. This pattern is analogue to most of the major constituents of sea water.

For metals such as chromium, nickel and vanadium, the differences in concentration levels are negligible when precipitation, shallow groundwater and surface waters are compared, implicating that deposition may be an important source for these elements. In some of the soil tubes, especially in 'higher' located soil tubes, the vanadium concentrations are markedly elevated, approximately 30 times compared to the lowest concentrations observed.

Isotopes of hydrogen, oxygen and carbon

Deuterium and *oxygen-18* data for precipitation and most of the observations from shallow groundwater plot on or close to the Global Meteoric Water Line (GMWL), indicating a meteoric origin of most samples from shallow groundwater.

Data from streams and lakes forms an 'evaporation line' indicating enrichments of the heavier isotopes due to evaporation. This is also seen as a gradual decrease of the deuterium deviations along the flow path from 'higher' to 'lower' located soil tubes, to streams, lakes and finally the Baltic Sea. Median values are -78 (precipitation), -85 ('higher' soil tubes), -81 ('lower' soil tubes), -74 (stream), -70 (lake) and -64 (sea) respectively.

'Lower' located soil tubes, presumably in discharge areas, usually show smaller variation of these isotopes compared to 'higher located soil tubes. This tendency is most accentuated for deuterium.

The *tritium* levels in most soil tubes range from 8–15 TU, an interval that overlap the range of surface waters and precipitation that are approximately 8–16 TU. In a few soil tubes low tritium values, corresponding to sub modern levels, have been observed. Of these are SFM0011, SFM0012, SFM0015, SFM0022, SFM0023 located in till below lake sediments, whereas SFM0010 and SFM0056 are located at higher topographical levels.

Most soil tubes show *carbon-14* values below 100 percent modern carbon, whereas most surface waters exceed 100 percent modern carbon. The lowest proportions of modern carbon, approximately 50%, are found for SFM0012 and SFM0023 in Lake Gällsboträsket and Lake Bolundsfjärden.

In combination with carbon-14, the stable isotope of *carbon-13* discriminates the soil tubes in three different groups:

- The soil tube in the quaternary deposits below Lake Eckarfjärden show unusual positive values of carbon-13 and slightly more than 80 percent modern carbon is observed.
- The soil tubes located in the lakes Gällsboträsket and Bolundsfjärden show low carbon-14 values in combination with carbon-13 values ranging from -10‰ to 0‰ PDB.
- In the third group, comprising most soil tubes, the content modern carbon is ranging from 80–90 pmC, whereas the carbon-13 values are generally between -15‰ and -10‰ , indicating a dominantly biogenic carbon source.

Istopes of boron, chlorine, sulphur and strontium

The ***boron-10*** ratios found in shallow groundwater are generally higher than ratios in lake, stream and especially sea water. Boron-10 is most depleted in the soil tubes located the till below the sediments of lakes and sea, e.g. SFM0012, SFM0015, SFM0023, SFM0024 and SFM0025, whereas it is most enriched in the soil tubes SFM0074, SFM0062 and SFM0032, all located in the catchment of Lake Bolundsfjärden.

The ***chlorine-37*** ratios found in the Forsmark area are centred on the international standard, indicating an average ratio of about 0.324 (SMOC). The soil tubes in the catchment of Lake Fiskarfjärden are most depleted in chlorine-37 (SFM0022 and SFM0027). Soil tubes located in till below the lake sediments of Lake Eckarfjärden, Lake Gällsboträsket and Lake Bolundsfjärden (SFM0015, SFM0012 and SFM0023) are most enriched in chlorine-37. There is a tendency that streams draining topographically higher areas show some enrichments of chlorine-37.

The recorded values of ***sulphur-34*** in shallow groundwater vary within a wide range between -17‰ to 41‰ CDT, indicating different sources of dissolved sulphate. Surface waters from lakes and streams range between -10‰ and 10‰ CDT, with most of the samples ranging between 2‰ and 8‰ CDT. All measurements from sea water are very close to 20‰ CDT (Figure 4-65). Sulphur-34 is enriched in the soil tubes located in till below the lake sediments (SFM0012, SFM0022, SFM0023, SFM0024, SFM0025), with values significantly exceeding 20‰ CDT (sea water). Also SFM0057 and SFM0049 show enriched sulphur-34 values. A number of soil tubes at 'higher' locations are depleted in sulphur-34 (e.g. SFM0008, SFM0009, SFM0031, SFM0060), showing values well below 0‰ CDT. The 'higher' located soil tubes usually show sulphur-34 values in the range from -10 to 10‰ CDT, similar to values measured in the surface waters.

Strontium-87 is generally enriched relative the natural abundance ratio by 5‰ to 40‰ . The recorded ratio in the Forsmark soil tubes ranges from 0.712 to 0.738, compared to the natural abundance ratio of 0.712 (Sr-87/Sr-86). The spatial distribution patterns for strontium-87 differ from most patterns observed for other isotopes, as well as major and minor constituents. Strontium-87 is least enriched in SFM0015, SFM0024 and SFM0022. The highest enrichment is found in SFM0027, located near the outlet of Lake Fiskarfjärden.

Isotopes of radium, radon, thorium and uranium

The ***radium-226*** activities are higher in the Forsmark area than the median value of the reference data from drilled wells in Sweden, whereas the ***radon-222*** activities are in the same order of magnitude as the references. There is a weak correlation between the activities of radium and radon. SFM0027 and SFM0031 marks out by having elevated radon levels compared to the radium activity measured. SFM0002, SFM0015 and SFM0009 display the highest activity when both radium and radon are considered.

Evaluation per catchment

In this section, conclusions are summarised per catchment in order to make the compilation compatible with the corresponding work on surface waters in Forsmark /Sonesten 2005/. The compilation per catchment area is also appropriate for shallow groundwater since the catchment boundaries often coincide with the groundwater divides. The measurements from streaming waters and lakes may also be seen as the sum of groundwater discharge in the area. That is especially the case in an area where local recharge-discharge patterns dominate.

The seven different catchment areas investigated are to a large degree similar in their water chemical composition, but there are also numerous differences both between the catchment areas and within them.

A) The ***Gunnarsbo-Lillfjärden catchment (1:1–4)*** in the north-western part of the study area does not include any measurements of groundwater, except for a single private well. The surface waters in this catchment are characterised by high levels of calcium and alkalinity. The alkalinity measured in this catchment is the highest of all investigated fresh waters in the Forsmark area /Sonesten 2005/. The concentrations of most other ions as sodium and chloride are low compared to other fresh surface waters in the area. Based on the conditions observed in the surface waters, the discharging groundwater in this area probably show low concentrations of ions of marine origin and is probably dominated by Ca-HCO₃ groundwater types.

B) The chemical composition of both shallow groundwater and surface waters varies considerably in the large ***catchment of Norra Bassängen (2:1–11)***. This catchment, which is the largest of the investigated areas, can be divided into three different sub-catchments.

The ***Lake Eckarfjärden sub-catchment (2:10)*** constitutes the upper part of the Norra Bassängen catchment. The soil tubes in this catchment deviates considerably with respect to several parameters. In the Piper plot, all soil tubes in this sub-catchment are classed as Na-HCO₃ type. Compared to most other catchments, the concentrations of several ions, e.g. calcium, potassium, chloride and sulphate, are significantly lower in most soil tubes except for SFM0015, located in the till below the sediments of Lake Eckarfjärden. SFM0015 shows instead high concentrations of magnesium, potassium, iodine, lithium, manganese, barium, rubidium and bicarbonate, and especially low values of sulphate and uranium. Among the isotopes, this soil tube also shows deviating high values of carbon-13, chlorine-37, deuterium and oxygen-18, and low values of tritium and strontium-87. The deviating observations of major and minor constituents observed in SFM0015 are also found in surface water from the outlet of the lake, but not from the inlet, indicating that discharging groundwater in the lake may be important for the water chemical composition of Lake Eckarfjärden /Sonesten 2005/.

The soil tubes in the *sub-catchment of Bolundskogen/Lake Gällsboträsket (2:8)* show elevated levels of most ions, e.g. sodium, magnesium, chloride, sulphate, bromide, and uranium, in the 'lower' located soil tubes SFM0011 and SFM0012. These tubes also show low pH-values and low values of tritium, carbon-14 and strontium-87. The streams draining this catchment show elevated concentrations of major and minor constituents.

Most soil tubes in the *sub-catchment of Norra Bassängen and Bolundsfjärden (2:1–3)* show normal values compared to most soil tubes in the Forsmark area, except for SFM0023 located in till below the sediments of Lake Bolundsfjärden. This soil tube deviates from all other soil tubes in the Forsmark area by showing a very high salinity, even higher than the present sea water. Besides high chloride concentration, also sulphate, bromide, lithium, strontium, rubidium, deuterium and sulphur-34 show high values. Low values are found for bicarbonate, barium, pH, uranium, vanadium, tritium and carbon-14.

C) Of the three soil tubes situated in the *catchment of Fiskarfjärden (8:1)*, SFM0022 which is located in till below the lake sediments, show a deviating pattern compared to SFM0026 and SFM0027. The latter two tubes are characterised by low calcium and TOC contents and high silicon content compared to most other soil tubes. SFM0027, located in a thick layer of till, displays the highest radon-222 activities measured in the Forsmark area. SFM0022 shows, except for generally elevated levels of most major constituents, also high levels of iodide, strontium, strontium-87, and low levels of chlorine-37, tritium and carbon-14. The iodine concentration in Lake Fiskarfjärden also show outstanding high values compared to all other surface water sampling sites in the area, analogue to the elevated iodine levels in the soil tube SFM0022. The saturation indices calculated for several minerals show the highest values in the soil tube SFM0022. For example is calcite oversaturated in all observations of SFM0022.

D) The shallow groundwater in the small *catchment of Bredviken (5:1)* show deviating chemical composition compared to most other catchments. The soil tubes SFM0006 and SFM0008 are characterised by rather low concentrations of marine ions as chloride, bromide, magnesium and sodium. Instead, elevated levels are found for calcium, potassium, barium and uranium, compared to most other soil tubes. The corresponding pattern is seen in the measurements of streaming water in the inlet of Lake Bredviken.

E) The soil tubes in the small *catchment of Lake Vambörsfjärden (2:6)* (SFM0009 and SFM0020), as well as those in the *catchment of Lake Mörrbadet (7:1–4)* (SFM0059 and SFM0061), show no considerable deviations in their water chemical characteristics compared to typical shallow groundwater in the Forsmark area.

F) There are a number of soil tubes which fall outside the catchments above. These are lumped in the supplementary category 'Coastal areas'. Of these are SFM0024 and SFM0025 located in shallow bays of brackish water and these two soil tubes show very similar patterns with a few exceptions: SFM0024 show higher content of magnesium, potassium, deuterium and lower strontium-87. SFM0025 show elevated levels of strontium, calcium, iodine and lower levels of carbon-14 and bicarbonate compared to SFM0024.

Chemical characteristics of the regolith in the Forsmark area

The chemical investigations of the regolith in the Forsmark area have hitherto included analyses of till, soil and sediment samples.

Till

The majority of the elements in the till samples from the Forsmark area occur in normal concentrations, compared to Swedish reference data. Calcium and strontium are two exceptions, where the content is markedly elevated compared to normal till in Sweden.

Most till samples in the Forsmark area contain between 10 to 30 percent calcite (calcium carbonate) per dry weight, which is about 30 times higher than the median value of the Swedish reference data. The calcite in the Forsmark area originates from the seafloor of Gävlebukten, a bay of Östersjön about 100 km north of the Forsmark site which is covered by Cambrian and Ordovician sedimentary bedrock. The calcium-rich material was transported from Gävlebukten and deposited in the Forsmark area during the latest glacial period /Ingemar and Moreborg 1976/. This explanation is supported by the fact that extraordinary high contents of calcite is measured in till, whereas the bedrock dominated by granite lacks calcite. The shallow groundwater in the area also shows highly elevated concentrations of calcium and bicarbonate, the products formed by the dissolution processes of calcite in the Quaternary deposits.

The strontium content in till from the Forsmark area is about seven times higher than normal values of Swedish till. A similar elevation is also seen when surface waters in the Forsmark area are compared to most Swedish surface waters. The elevated strontium concentration in surface water is likely caused by the high content of strontium in the till the area, and similar to calcium the high strontium content probably originates from the sedimentary bedrock of Gävlebukten.

The variation in bedrock geochemistry is reflected in the chemical composition of the till. In the vicinity of Lake Eckarfjärden, in the south-western part of the Forsmark area, the deviating rock composition is probably reflected by the elevated contents of aluminium, magnesium, iron and some trace elements as e.g. bismuth, uranium and vanadium.

Sediments

The content of calcium carbonate shows considerable variation both within and among the five marine and lacustrine sediment sampling sites in the Forsmark area. There are examples of both very low and very high content of calcium carbonate, reflecting varying conditions during the formation of the sediments. The calcareous gyttja of Lake Stocksjön shows extremely high content of calcium carbonate (60%), originating from precipitation of dissolved calcium carbonate.

The content of organic carbon, sulphur and nitrogen usually shows a decreasing trend from younger (superficial) to older (deeper) sediments. There are usually distinct transitions in the concentrations at certain depths, coinciding with the successions from sea bottom, to brackish lagoon and finally a fresh water lake.

In a sediment profile from Lake Stocksjön most elements occur at higher levels in the marine sediments, except for e.g. calcium, manganese, mercury, antimony and lead which show higher levels in the superficial lacustrine sediments. Strontium, phosphorus and sulphur show only minor correlations to the transition from marine to fresh water. At a depth of 15–20 cm in the sediment profile, air transported pollutants, e.g. mercury, zinc, cadmium, lead and antimony, occur at higher levels compared to both more superficial and deeper layers.

Peat

Most major constituents and trace elements occur at normal concentrations when the three available peat samples are compared to Swedish reference data. One of the peat samples from Lersättermýran show high contents of calcium, indicating that this fen is strongly influenced by the calcareous soils in the vicinity. The concentration of trace elements in the two mires shows normal values, except for lead and zinc that occur in 10–50 times higher concentrations compared to the median of the Swedish reference data /Fredriksson 2004/.

Soil

The pH in the top soil in the Forsmark area is in general high with values around pH six, whereas Swedish soils on average show values between four and five. The humus layer is influenced by the underlying calcareous mineral soil and the pH value is 6.5 on average, to be compared to values around 5 for most of Sweden.

Carbon concentrations in the humus layer are in accordance with ordinary Swedish conditions, but in the mineral soil the influence of CaCO_3 makes the concentration of carbon higher compared to typical values for Sweden. Nitrogen concentrations in the soil agree fairly well with most parts of Sweden, but are lower than usually observed in the Uppsala County

Element contents in amphibious plants

The content of calcium is markedly elevated in the roots of amphibious plants in the Forsmark area, compared to both Uppsala County and Sweden. The remaining major constituents occur in approximately normal concentrations.

Most trace metals occur in normal or slightly lower concentrations compared to the normal levels in Uppsala county and Sweden. An exception is arsenic that shows tendencies for slightly increased concentrations in plant roots in the Forsmark area.

Contents

| | | |
|----------|--|----|
| 1 | Introduction | 15 |
| 1.1 | Background | 15 |
| 1.2 | This report | 15 |
| 2 | Study area | 17 |
| 2.1 | Topography and climate | 18 |
| 2.2 | Quaternary deposits | 19 |
| 2.3 | Recharge and discharge areas | 20 |
| 2.4 | Bedrock and fracture zones | 21 |
| 3 | Summary of available data | 23 |
| 3.1 | Shallow groundwater | 23 |
| 3.1.1 | Investigations and previous evaluations | 23 |
| 3.1.2 | Soil tube data | 24 |
| 3.1.3 | Reference data from private wells in the Forsmark area | 26 |
| 3.1.4 | Reference data from the National database of private wells | 26 |
| 3.1.5 | Reference data from Simpevarp | 27 |
| 3.1.6 | Reference data – trace elements | 27 |
| 3.2 | Precipitation | 28 |
| 3.2.1 | Chemical data from precipitation | 28 |
| 3.2.2 | Reference data from precipitation | 29 |
| 3.3 | Regolith | 29 |
| 3.3.1 | Investigations and previous evaluations | 29 |
| 3.3.2 | Chemical data from Quaternary deposits | 30 |
| 3.3.3 | Reference data from till samples | 31 |
| 3.3.4 | Reference data from sediment samples | 31 |
| 3.3.5 | Reference data peat samples | 32 |
| 3.3.6 | Reference data from soil samples | 32 |
| 3.3.7 | Element contents in amphibious plants | 32 |
| 4 | Statistical methods used in data evaluations | 33 |
| 4.1 | Handling of values below reporting limits | 33 |
| 4.2 | Classification of soil tubes | 33 |
| 4.3 | Presentation techniques for comparisons among sampling sites | 36 |
| 4.4 | Spatial variation | 37 |
| 4.5 | Temporal variation | 37 |
| 4.6 | Relationships among elements and among sampling sites | 37 |
| 5 | Shallow groundwater – presentation and evaluation of primary data | 39 |
| 5.1 | Parameter overview | 39 |
| 5.2 | Evaluation of data quality | 40 |
| 5.3 | Major and minor constituents – overview | 41 |
| 5.3.1 | Calcium, magnesium, sodium and potassium | 44 |
| 5.3.2 | Silicon | 52 |
| 5.3.3 | Chloride, sulphate and bicarbonate | 54 |
| 5.3.4 | Fluoride, bromide, iodide | 60 |
| 5.3.5 | Lithium, strontium, barium | 66 |
| 5.3.6 | Summary – major and minor constituents | 71 |

| | | |
|----------|---|------------|
| 5.4 | Carbon, nitrogen and phosphorus | 72 |
| 5.4.1 | Summary – carbon, nitrogen and phosphorus | 78 |
| 5.5 | Iron, manganese and redox potential | 78 |
| 5.5.1 | Redox potential – overview | 78 |
| 5.5.2 | Iron and manganese | 79 |
| 5.6 | Alkalinity and pH | 83 |
| 5.7 | Trace elements | 85 |
| 5.7.1 | Overview of trace elements | 85 |
| 5.7.2 | Examples – lanthanum, uranium, rubidium and vanadium | 87 |
| 5.8 | Isotopes | 92 |
| 5.8.1 | Overview – isotopes of hydrogen, oxygen and carbon | 92 |
| 5.8.2 | Deuterium and oxygen-18 | 94 |
| 5.8.3 | Tritium | 99 |
| 5.8.4 | Isotopes of carbon (C-13, C-14) | 100 |
| 5.8.5 | Isotopes of boron, chlorine, sulphur and strontium | 104 |
| 5.8.6 | Isotopes of uranium, thorium, radium and radon | 112 |
| 5.9 | Time-trends and temporal variation | 115 |
| 5.10 | Relationships between elements in groundwater | 120 |
| 5.10.1 | Principal component analysis | 120 |
| 5.10.2 | Element ratios of major constituents | 124 |
| 5.10.3 | Saturation indices | 130 |
| 6 | Precipitation – presentation and evaluation of primary data | 133 |
| 7 | Regolith – presentation and evaluation of primary data | 137 |
| 7.1 | Geochemical composition of till | 137 |
| 7.1.1 | Comparisons between available site data and national reference data | 137 |
| 7.1.2 | Comparisons among samples from the Forsmark area | 137 |
| 7.1.3 | The distribution of calcium carbonate | 144 |
| 7.1.4 | Relationships among the elements in till | 145 |
| 7.2 | Chemical composition of sediments | 148 |
| 7.2.1 | Organic carbon, nitrogen and sulphur and calcium carbonate | 148 |
| 7.2.2 | Distribution of elements in a sediment core from Lake Stocksjön | 150 |
| 7.2.3 | Organic compounds in sediments | 154 |
| 7.3 | Chemical composition of peat | 155 |
| 7.4 | Chemical composition of soil | 157 |
| 7.5 | Content of elements in roots of amphibious plants | 158 |
| 8 | References | 161 |
| | Web based references | 164 |

Appendices on enclosed CD

Appendix 1 Detailed statistics on surface waters (lake, stream and sea)

Appendix 2 Detailed statistics on shallow groundwater (soil tubes)

Appendix 3 Detailed statistics on precipitation

Appendix 4 Raw data – water

Appendix 5 Raw data – regolith

1 Introduction

1.1 Background

The Swedish Nuclear Fuel and Waste management Co (SKB) is currently conducting site investigations at two sites, Oskarshamn and Forsmark, with the objective of siting a geological repository for spent nuclear fuel. The results from the investigations at the sites are used as a basic input to the site descriptive modelling. A Site Descriptive Model (SDM) is an integrated description of the site and its regional setting, covering the current state of the geosphere and the biosphere, as well as ongoing natural processes of importance for long-term safety. The SDM shall summarise the current state of knowledge of the site, and provide parameters and models to be used in further analyses within Safety Assessment, Repository Design and Environmental Impact Assessment.

The site investigation programme involves extensive studies of the surface ecosystem as well as of the bedrock, in order to provide a detailed characterisation of the site (see /SKB 2001/ for a description of the general execution programme). The strategy which is adopted by SKB for developing a descriptive ecosystem model based on site data, is described in /Löfgren and Lindborg 2003/. An important part of the description of the surface ecosystem is the characterisation of chemical properties of surface waters, groundwater and regolith in the area.

1.2 This report

This report evaluates the results from chemical investigations of the surface system in the Forsmark area during the period November 2002 – March 2005. Moreover, available data from chemical investigations performed before the start of the site investigations was also included in the evaluation. The data used is not associated to any special data freeze, as is usually the case in the site descriptive modelling work. Instead, all data from chemical investigations of the surface system, available in the Sicada database in May 2005, was used in the evaluation. In a parallel report /Tröjbom and Söderbäck 2006/, data from chemical investigations of the surface system in the Simpevarp area in Oskarshamn are evaluated.

The main focus of the report is to visualise the vast amount of data collected hitherto in the site investigations, and to give a chemical description of shallow groundwater, precipitation, and regolith (till, soil, peat, sediments and biota) in the area. Underlying hydrogeochemical processes, and important premises for the evolution of the chemical composition of surface water and groundwater, are only to a minor extent discussed in this report. Data and results from surface waters (lakes, streams and the sea) are not presented in this report, since these were treated separately in a recently published report /Sonesten 2005/. However, statistics for surface water data are compiled in Appendix 1 on the enclosed CD. The presentation of the data, as well as of the results, is separated according to the investigated media into three main parts; shallow groundwater, precipitation, and regolith.

The data used consist of water chemical composition of precipitation, predominantly sampled on a monthly basis, and in groundwater from soil tubes and wells, sampled up to four times per year. Moreover, regolith data includes information on the chemical composition of till, soil and sediment samples from the area. The characterisations include all measured chemical parameters, i.e. major and minor constituents, trace elements, nutrients, isotopes and radio nuclides, as well as field measured parameters.

The evaluation of data from each medium has been divided into two or three parts:

- Characterisation of individual sampling sites, and comparisons within and among sampling sites as well as comparisons with local, regional and national reference data.
- Analysis of time trends and seasonal variation (for shallow ground water).
- Exploration of relationships among the various chemical parameters.

For all investigated parameters, the report presents selected statistics for each sampling site, as well as for available reference data. For each investigated media, a more comprehensive statistical description of the data is given per parameter in Appendices 1–3 on the enclosed CD, and the primary data used in the evaluation can also be found on the CD in Appendices 4–5.

2 Study area

The Forsmark site is located in north-eastern part of Uppsala County within the municipality of Östhammar, about 170 km north of Stockholm. The candidate area for the repository is located along the shoreline of Öregrundsgrepen and it extends from the Forsmark nuclear power plant in the northwest and towards the bay Kallrigafjärden in the southeast. The candidate area, marked in red in Figure 2-1, is approximately 6 km long and 2 km wide. The north-western part of the candidate area has been selected as the target area for continued site investigations /SKB 2005a/.

In the following section, premises important for the evolution of chemical and physical conditions in groundwater are summarised. For further information see /Lindborg et al. 2005/.

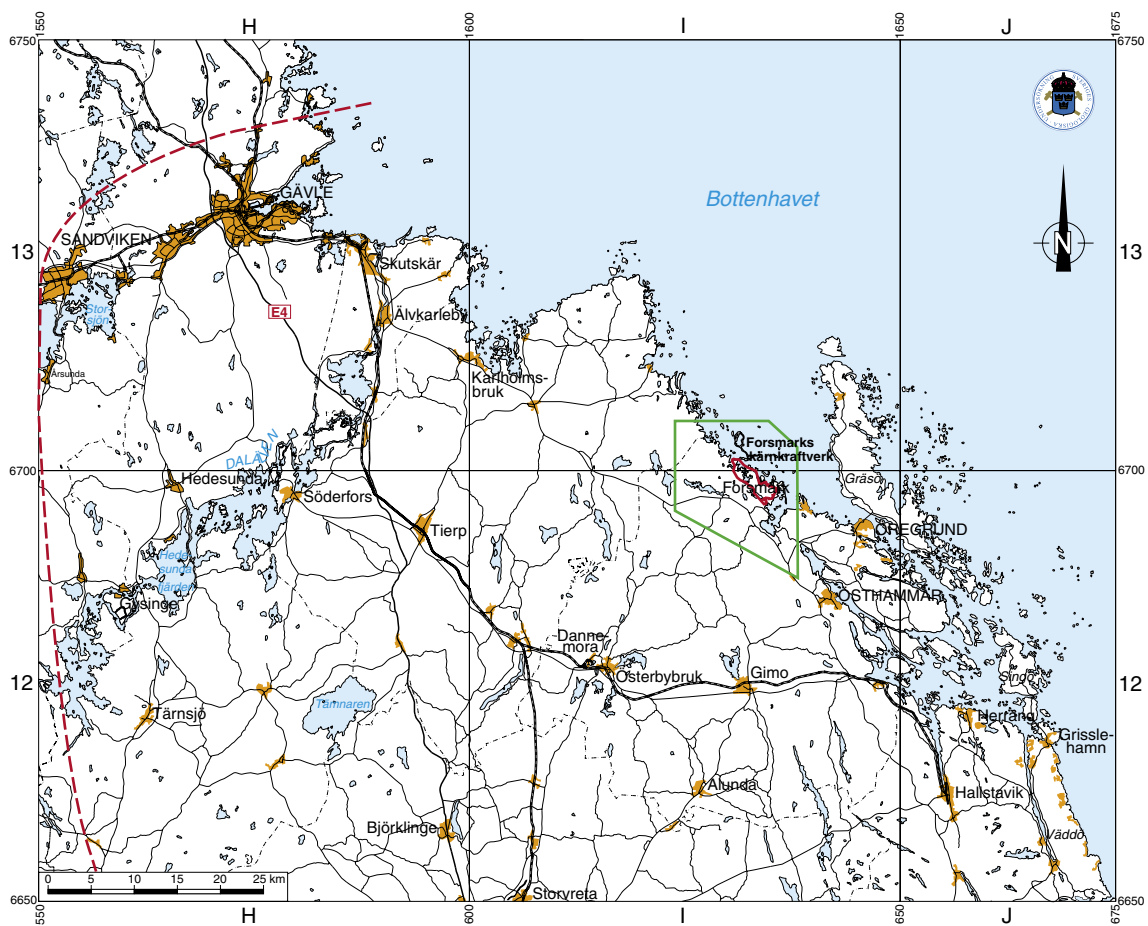


Figure 2-1. Map showing the Forsmark candidate area (red), the study area (green) and the surroundings.

2.1 Topography and climate

The Forsmark area belongs to the boreal forest region characterized by temperate climate and a mean annual precipitation of approximately 600–650 mm per year. The annual runoff has been estimated to approximately 200 mm /SKB 2005c/, and the effective recharge actually reaching the bedrock has been estimated to be very small, a few mm per year /Johansson et al. 2005/.

The Forsmark area forms a northern extension of the Stockholm and Roslagen archipelagos, characterized by a hilly, fissure-valley landscape. The topography of the Forsmark area relatively flat, and the elevation in the study area ranges from the sea level to about 20 m above sea level /SKB 2005b/ (Figure 2-2). The area is also characterised by an ongoing isostatic uplift, which results in new lands emerging from the Baltic and strong marine influences of the shallow groundwater /Lindborg et al. 2005/.

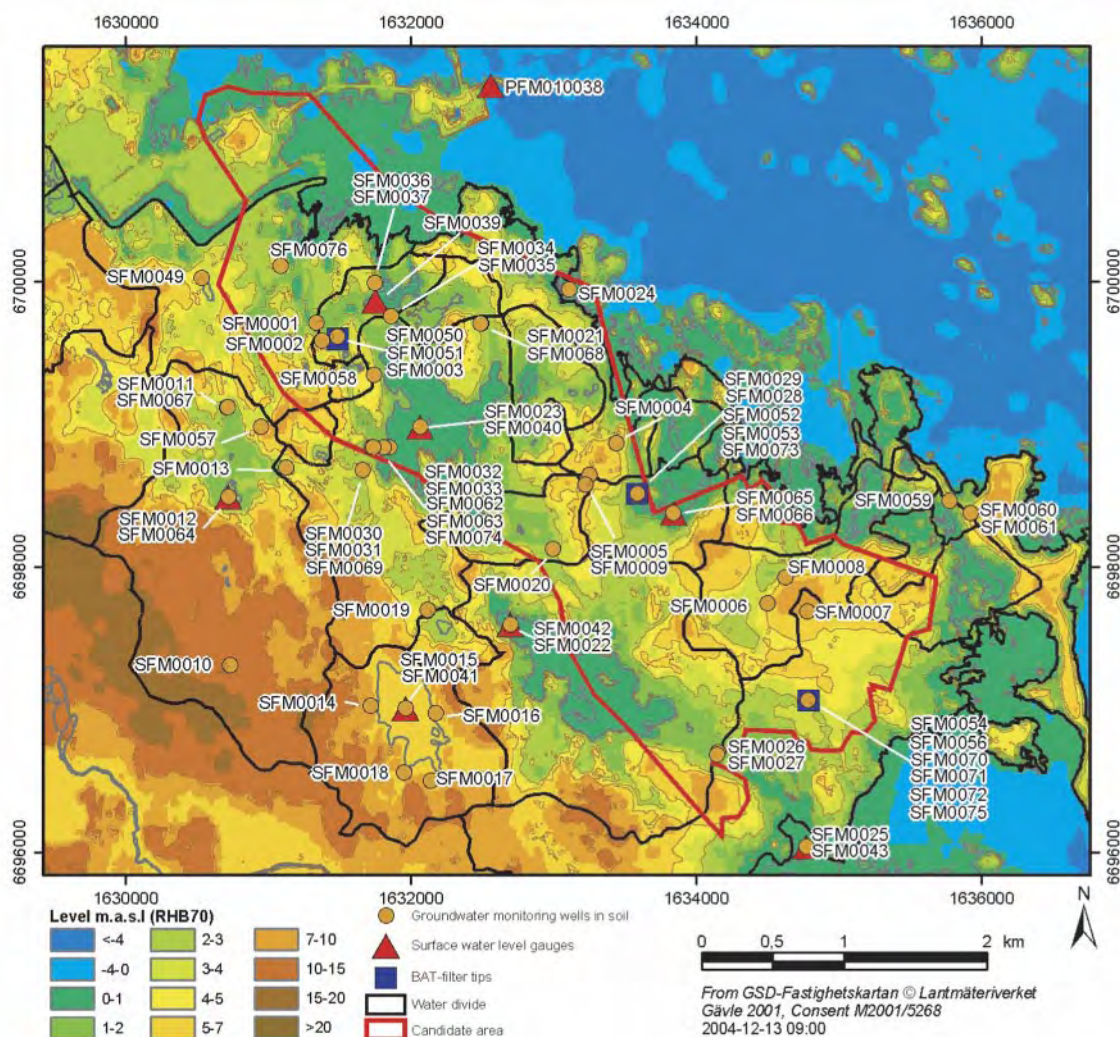


Figure 2-2. Topographic map showing locations of groundwater monitoring wells, abstraction wells, BAT-type filter tips and surface water level gauges in the Forsmark area (from /SKB 2005c/). Object identification codes starting with 'SFM' denotes the soil tubes evaluated in this report.

2.2 Quaternary deposits

Unconsolidated Quaternary deposits of varying depth cover c 84% of the land area in the Forsmark regional model area /Lindborg 2005/. These deposits play an important role in formation of shallow groundwater with respect to both chemical properties and hydrological characteristics. All known Quaternary deposits in the Forsmark area were formed during or after the latest glaciation. The oldest deposits are of glacial origin, deposited directly from the inland ice, or by water from the melting ice. Fine-grained sediment has been deposited in local depressions such as the lakes and the lower parts of the present sea bottom and the overburden is dominated by glacial till (Figure 2-3). Due to an undulating upper surface of the bedrock, there are large variations in thickness of the Quaternary cover (0–17 m /SKB 2005b/). Based on soil depth modelling in GeoEditor /Vikström 2005/, the depth to the bedrock is shown in Figure 2-4.

The Quaternary deposits are rich in calcite (CaCO_3). These deposits originate from the Bothnian Palaeozoic limestone deposits at the bottom of the Baltic Sea north of the Forsmark area /Ingemar and Moreborg 1976/. These deposits together with the recent emergence of the area from the Baltic Sea affect the chemistry of shallow groundwaters causing high pH and high alkalinity and in some cases high salinity.

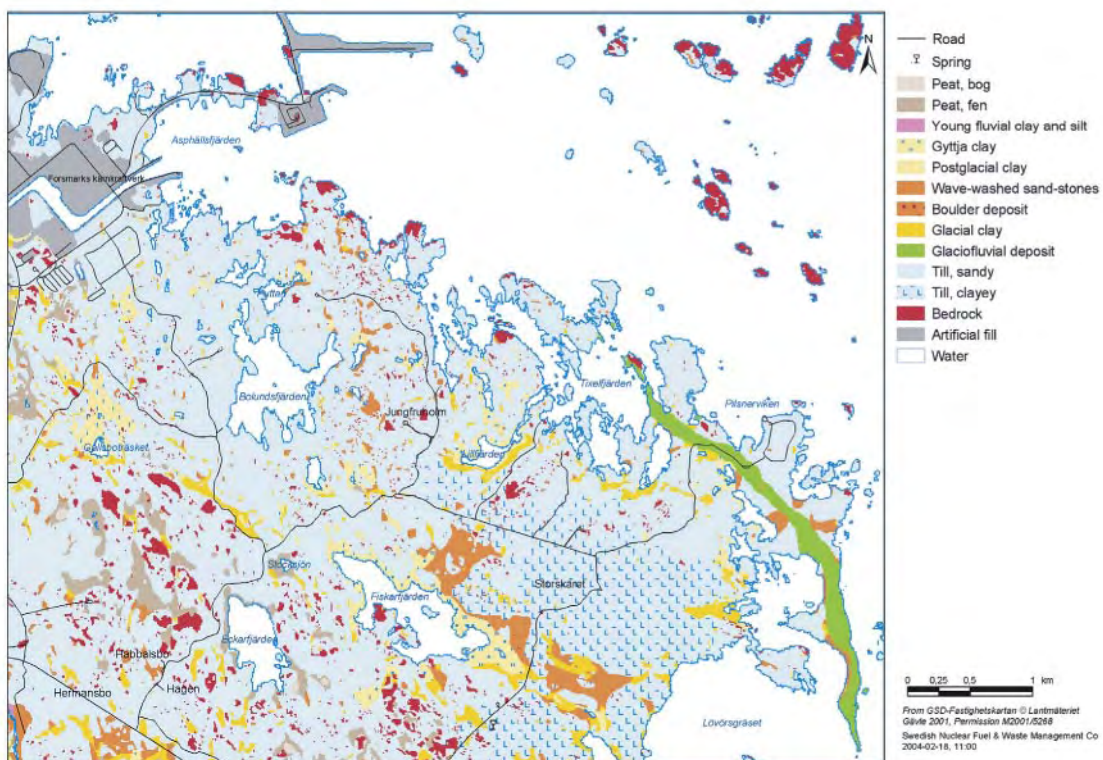


Figure 2-3. Map showing the spatial distribution of Quaternary deposits in the central part of the Forsmark regional model area, from /Sohlenius et al. 2004/.

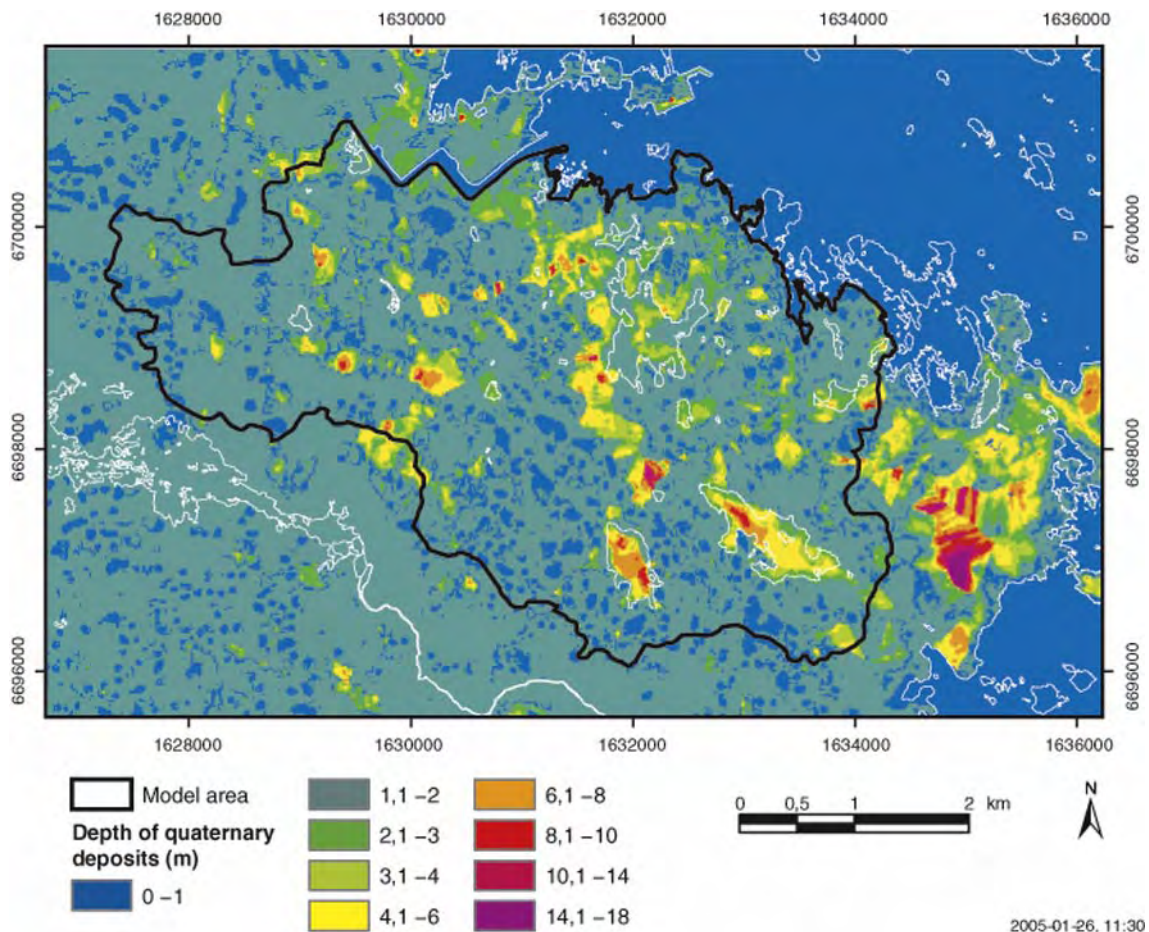


Figure 2-4. Map showing the depth to bedrock in the central part of the Forsmark area, based on the soil depth modelling in GeoEditor (from /Lindborg 2005/). The model is valid for the area within the black solid line.

2.3 Recharge and discharge areas

Another factor that is important for the chemical composition of groundwater is the residence time. i.e. the time period during which different hydrogeochemical processes can alter the composition of the recharging meteoric water. The small-scale topography in the area implies that many local, shallow groundwater flow systems with relatively short residence times are formed in the quaternary deposits, overlying more large-scale flow systems associated with groundwater flows at greater depths and longer residence times.

As the residence time usually differs significantly between groundwaters in recharge and discharge areas, significant differences can be expected between these two types of areas depending on differences in the contact time with overburden and bedrock.

In Figure 2-5, a modelled distribution of recharge, intermediate and discharge areas is shown. As the distribution of these three categories is rather arbitrary, depending on modelling assumptions, season and spatial resolution, only the overall picture should be pointed out. From Figure 2-5, it can be concluded that recharge and discharge areas forms a fine cut pattern in the area. This fact implies that any categorization of the soil tubes in terms of recharge and discharge should take these small-scale variations into account, and not be based on topographical constraints at a large scale.

2.4 Bedrock and fracture zones

The bedrock in the candidate area is dominated by one lithological domain. The dominant rock type in this domain is a medium-grained metagranite that extend downwards to a depth of at least 1,000 m. Rock domains with strongly deformed, and also in part, banded and inhomogeneous rocks occur along the south-western and the north-eastern margins of the candidate area (Figure 2-6).

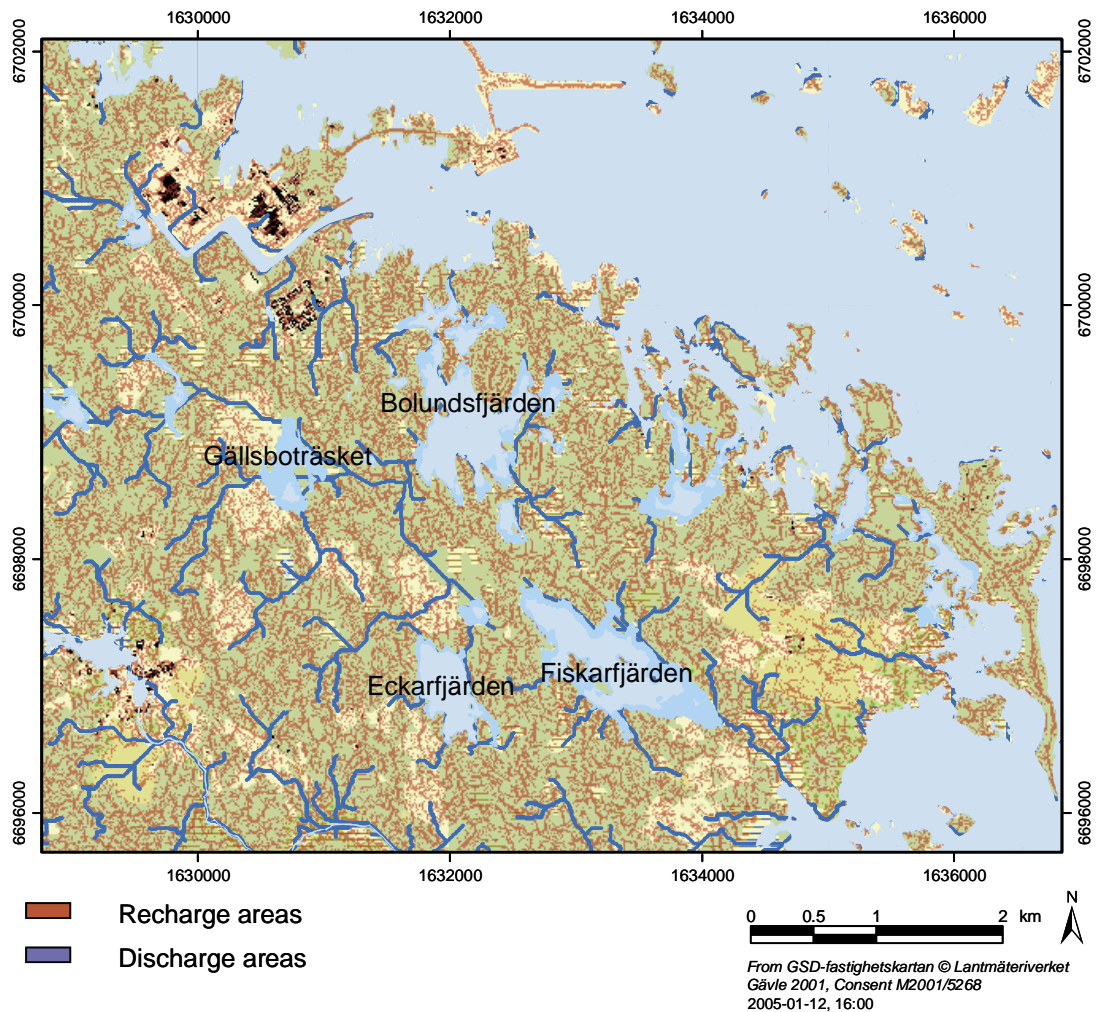


Figure 2-5. Identification of recharge and discharge areas using a GIS model. Areas with colours other than blue and red are “intermediate areas”, i.e. neither recharge nor discharge areas based on the definitions used in the modelling /Johansson et al. 2005/.

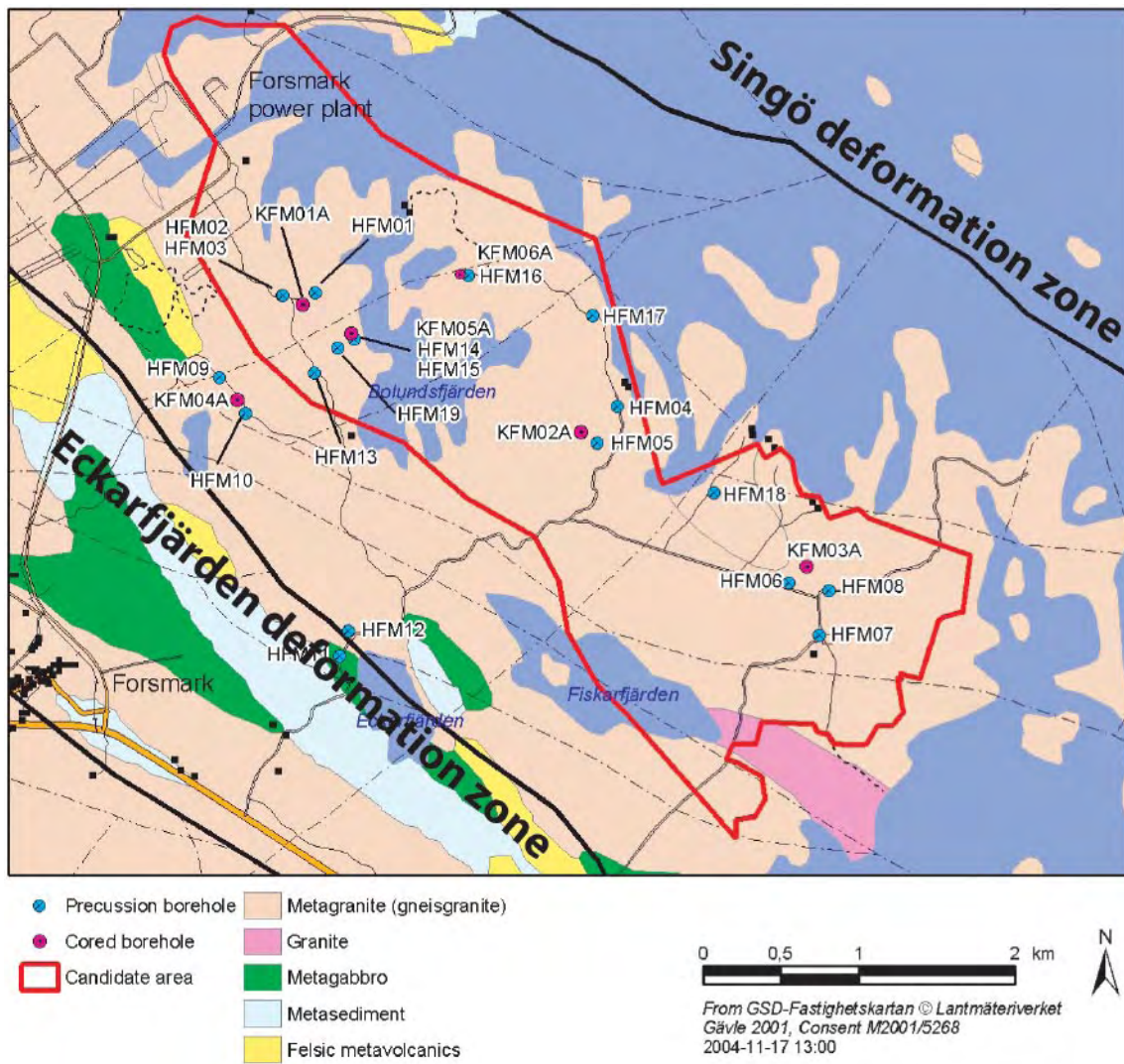


Figure 2-6. Schematic geological map of the Forsmark area showing the candidate area and major deformation zones (from /SKB 2005c/).

3 Summary of available data

In this section, available data from shallow groundwater and Quaternary deposits in the Forsmark area are summarised, beside various data used as reference on the local, regional and national scales.

3.1 Shallow groundwater

3.1.1 Investigations and previous evaluations

The Preliminary Site Description of Forsmark 1.2 includes a brief description of the chemistry in shallow groundwater, based on available data from the site investigations /SKB 2005c/. Detailed descriptions of drilling and sampling of soil tubes, as well as analytical issues and some initial calculations on data quality are found in the reports compiled in Table 3-1.

Table 3-1. Summary of reports containing both detailed descriptions of drilling and sampling of soil tubes, as well as analytical issues and some initial calculations on data quality (chemistry reports are marked in bold).

| Description | SKB report number | Reference |
|--|-------------------|-----------------------------------|
| Description of climate, surface hydrology, and near-surface hydrogeology. Forsmark 1.2. | R-05-06 | /Johansson et al. 2005/ |
| Preliminary site description Forsmark area – version 1.2. | R-05-18 | /SKB 2005c/ |
| Drilling of groundwater monitoring wells SFM0001–SFM0003 in soil at drillsite DS1. | P-03-13 | /Claesson and Nilsson 2003a/ |
| Sampling and analyses of groundwater in percussion drilled boreholes and shallow monitoring wells at drillsite DS1. | P-03-47 | /Nilsson 2003a/ |
| Sampling and analyses of groundwater in percussion drilled boreholes and shallow monitoring wells at drillsite DS2. | P-03-48 | /Nilsson 2003b/ |
| Drilling of groundwater monitoring wells SFM0004–SFM0005 in soil at drillsite DS2. | P-03-50 | /Claesson and Nilsson 2003b/ |
| Drilling of groundwater monitoring wells SFM0006–SFM0008 in soil at drillsite DS3. | P-03-57 | /Claesson and Nilsson 2003c/ |
| Drilling and sampling in soil. Installation of groundwater monitoring wells and surface water level gauges. | P-03-64 | /Johansson 2003/ |
| Slug tests in groundwater monitoring wells in soil. | P-03-65 | /Werner and Johansson 2003/ |
| Undisturbed pore water sampling and permeability measurements with BAT filter tips. Soil sampling for pore water analyses. | P-04-136 | /Johansson 2004/ |
| Drilling and pumping test of wells at Börstilåsen. | P-04-138 | /Werner et al. 2004/ |
| Supplementary drilling and soil sampling, installation of groundwater monitoring wells, a pumping well and surface water level gauges. | P-04-139 | /Werner and Lundholm 2004a/ |
| Supplementary slug tests in groundwater monitoring wells in soil. | P-04-140 | /Werner 2004/ |
| Pumping test in wells SFM0074. | P-04-142 | /Werner and Lundholm 2004b/ |
| Sampling and analyses of near surface groundwaters. | P-05-171 | /Nilsson and Borgiel 2005/ |

3.1.2 Soil tube data

Since July 2002, totally 48 soil tubes in the Forsmark area have been monitored for chemical composition and physical/hydrological properties. An evaluation of the chemical composition of groundwater in 46 of these soil tubes, covering the period July 2002 to February 2005, is presented in this report.

The evaluation of chemical properties of shallow groundwaters is based on the data available in the SKB database SICADA on May 2005, covering the period 2002-07-18 to 2005-02-10. During a preliminary data evaluation prior to May 2005, all erroneous data found was reported to the SICADA database. These corrections were included in the final data delivery in May 2005. There are no further corrections made in the material presented in this report.

The sampling programme for water chemistry in shallow groundwater includes a total of 46 soil tubes, sampled predominantly at four times per year /Nilsson and Borgiel 2005/. Some of the soil tubes have been sampled only once, while some tubes show time series of up to ten samples. The sampling techniques and chemical analyses program has been thoroughly described by /Nilsson 2003ab/.

In Table 3-3, the number of samples per soil tube (IDCODE) is shown for a selection of parameters, representative for the parameter categories that are explained in Table 3-2. The locations of the sampling sites are shown in Figure 4-2.

Table 3-2. Listing of the different parameters that are included in each parameter category used in Table 2-3. The selected elements are representative for each parameter group.

| Selected element | Other parameters in category |
|------------------|--|
| pH | Conductivity |
| Na | K, Ca, Mg, HCO ₃ , Cl, SO ₄ , Br, I, F, Li, Sr, Si |
| SiO ₂ | |
| Fe | Mn |
| Fe(II) | Fe(tot) |
| S ² | O ₂ |
| Tot-N | NH ₄ -N, NO ₂₃ -N, tot-P, PO ₄ -P, TOC, DOC, DIC |
| PON | POP, POC |
| D | Tr, O-18 |
| C13 | C-14, S-34, B-10, Cl-37, Sr-87 |
| Zn | Cu, Pb, Cd, Cr, Al, Ni, Hg, Co, V |
| La | U, Th, Sc, Rb, Y, Zr, Mo, In, Sb, Cs, Ba, Hf, Tl, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu |
| U-238 | U-235, U-234, Th-232, Th-230 |
| Ra-226 | Rn-222 |

Table 3-3. Number of observations per soil tube and parameter group (see Table 2-2) in the Forsmark area. SICADA database on May 2005. The selected elements represent different parameter categories explained in Table 3-1. The lumped categories that are shown at the bottom of the table are explained in Section 4.2.

| Idcode | First date | Last date | pH | Na | SiO ₂ | Fe | Fe(II) | S ²⁻ | N _{tot} | PON | D | C13 | Zn | La | U238 | Ra226 |
|-------------------------------|------------|-----------|-----|-----|------------------|-----|--------|-----------------|------------------|-----|-----|-----|----|----|------|-------|
| SFM0001 | 020718 | 050124 | 10 | 10 | 11 | 9 | 5 | 7 | 10 | 3 | 10 | 7 | 7 | 6 | 2 | 4 |
| SFM0002 | 020718 | 050120 | 11 | 11 | 11 | 9 | 5 | 6 | 10 | 3 | 10 | 6 | 5 | 6 | 2 | 4 |
| SFM0003 | 020718 | 050124 | 10 | 10 | 11 | 8 | 5 | 7 | 10 | 2 | 10 | 6 | 7 | 6 | 2 | 4 |
| SFM0005 | 021216 | 050124 | 6 | 6 | 6 | 6 | 4 | 4 | 5 | 1 | 5 | 3 | 4 | 3 | 1 | 1 |
| SFM0006 | 030507 | 050119 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | 1 | 4 | 3 | 3 | 2 | 1 | 1 |
| SFM0008 | 030602 | 050125 | 7 | 7 | 8 | 6 | 5 | 4 | 7 | | 7 | 3 | 5 | 5 | 1 | 3 |
| SFM0009 | 030331 | 050124 | 6 | 7 | 6 | 5 | 5 | 4 | 5 | | 7 | 2 | 5 | 5 | | 2 |
| SFM0010 | 030403 | 030403 | | 1 | | | | | | | 1 | | | | | |
| SFM0011 | 030331 | 030331 | | 1 | | | | | | | 1 | | | | | |
| SFM0012 | 030424 | 050119 | 8 | 9 | 7 | 4 | | 1 | 6 | | 8 | 4 | 1 | 1 | 1 | 1 |
| SFM0013 | 030331 | 030331 | | 1 | | | | | | | 1 | | | | | |
| SFM0014 | 030218 | 030218 | 1 | 1 | | | | | | | 1 | | | | | |
| SFM0015 | 030226 | 050118 | 7 | 8 | 6 | 3 | | 1 | 5 | | 7 | 5 | 1 | 1 | 1 | 1 |
| SFM0016 | 030227 | 030227 | 1 | 1 | | | | | | | 1 | | | | | |
| SFM0017 | 030225 | 030225 | | 1 | | | | | | | 1 | | | | | |
| SFM0018 | 030227 | 030227 | | 1 | | | | | | | 1 | | | | | |
| SFM0019 | 030325 | 030325 | | 1 | | | | | | | 1 | | | | | |
| SFM0020 | 030319 | 030319 | | 1 | | | | | | | 1 | | | | | |
| SFM0021 | 030408 | 030408 | | 1 | | 1 | | | | | 1 | | | | | |
| SFM0022 | 040205 | 050118 | 4 | 4 | 3 | 2 | | | 3 | | 2 | 1 | | | | |
| SFM0023 | 030304 | 050124 | 7 | 8 | 6 | 3 | | | 5 | | 7 | 3 | 1 | 1 | | |
| SFM0024 | 030326 | 031106 | 2 | 3 | 2 | | | | 1 | | 3 | 2 | | | | |
| SFM0025 | 030320 | 050120 | 7 | 8 | 6 | 3 | | | 5 | | 7 | 3 | 1 | 1 | | |
| SFM0026 | 030324 | 030324 | | 1 | | | | | | | 1 | | | | | |
| SFM0027 | 030425 | 050119 | 7 | 8 | 6 | 6 | 4 | 3 | 5 | | 7 | 3 | 5 | 5 | | 2 |
| SFM0028 | 030317 | 030317 | | 1 | | | | | | | 1 | | | | | |
| SFM0029 | 030708 | 050121 | 6 | 6 | 5 | 5 | 5 | 3 | 4 | | 6 | 2 | 5 | 5 | | 2 |
| SFM0030 | 030311 | 030311 | | 1 | | | | | | | 1 | | | | | |
| SFM0031 | 030709 | 050120 | 7 | 7 | 6 | 6 | 5 | 3 | 5 | | 6 | 3 | 5 | 5 | | 2 |
| SFM0032 | 030304 | 050119 | 9 | 9 | 6 | 6 | 5 | 4 | 5 | | 8 | 4 | 5 | 5 | | 2 |
| SFM0034 | 030311 | 030311 | | 1 | | | | | | | 1 | | | | | |
| SFM0035 | 040422 | 040422 | | | | | | | | | | | | | | |
| SFM0036 | 030312 | 030312 | | 1 | | | | | | | 1 | | | | | |
| SFM0037 | 030710 | 050120 | 7 | 7 | 6 | 5 | 4 | 2 | 5 | | 6 | 3 | 4 | 4 | | 2 |
| SFM0049 | 030401 | 050125 | 3 | 4 | 3 | 3 | 2 | 1 | 3 | | 4 | 1 | 3 | 3 | | 1 |
| SFM0051 | 030625 | 050203 | 6 | 6 | | 5 | 4 | | | | 5 | 5 | 4 | 4 | | |
| SFM0053 | 030626 | 050210 | 6 | 6 | | 5 | 4 | | | | 5 | 5 | 4 | 4 | | |
| SFM0056 | 030622 | 050201 | 6 | 5 | | 5 | | | | | 5 | | 4 | 4 | | |
| SFM0057 | 031104 | 050121 | 6 | 5 | 5 | 6 | 4 | 4 | 4 | | 5 | 3 | 5 | 5 | | 2 |
| SFM0059 | 031202 | 031202 | 1 | 1 | | | | | | | 1 | | | | | |
| SFM0060 | 040121 | 050125 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | | 3 | 2 | 3 | 3 | | 1 |
| SFM0061 | 031202 | 031204 | 3 | 3 | | | | | | | 2 | | | | | |
| SFM0062 | 040218 | 040528 | 3 | 3 | | 3 | | | | | 2 | | | | | |
| SFM0063 | 040218 | 040511 | 2 | 2 | | 2 | | | | | 2 | | | | | |
| SFM0065 | 040218 | 040218 | 1 | 1 | | 1 | | | | | 1 | | | | | |
| SFM0074 | 040511 | 040524 | 10 | 10 | | 10 | | | | | 10 | | | | | |
| Soil tubes at 'Higher' levels | | | 67 | 78 | 47 | 43 | 12 | 11 | 39 | | 69 | 27 | 22 | 22 | 2 | 8 |
| Soil tubes at 'Lower' levels | | | 111 | 119 | 81 | 92 | 59 | 48 | 72 | 10 | 111 | 52 | 65 | 62 | 9 | 27 |
| Soil tubes in lakes | | | 32 | 35 | 22 | 18 | | 2 | 19 | | 29 | 13 | 3 | 3 | 2 | 2 |
| Soil tubes at sea | | | 9 | 11 | 8 | 3 | | | 6 | | 10 | 5 | 1 | 1 | | |
| All soil tubes | | | 178 | 197 | 128 | 135 | 71 | 59 | 111 | 10 | 180 | 79 | 87 | 84 | 11 | 35 |

3.1.3 Reference data from private wells in the Forsmark area

Parallel to the sampling of soil tubes seven private wells have been sampled. Prior to the PLU, 27 private wells were studied in an inventory at the Forsmark site. These data are used as a local reference to the soil tube data and in comparisons with regional and national data from wells (see /Ludvigson 2002/ for a detailed description of private wells in the Forsmark area). The well data are also directly comparable to the national database of private wells, which makes them suitable in putting local data in a regional and national context. The private wells are also included in the maps in order to increase the spatial coverage. In Table 3-4 the number of observations per category and element are listed for the private wells. The locations of the private wells are shown in Figure 4-2.

Table 3-4. Summary of observations in private wells in the Forsmark area. Number of observations per element for drilled (Dri) and excavated (Exc) wells.

| Element | | Dri | Exc | Element | | Dri | Exc |
|----------------------------|------------------|-----|-----|--------------------------|----------------------|-----|-----|
| Aluminium | Al | 13 | 12 | Magnesium | Mg | 30 | 20 |
| Boron-10 | B-10 | 5 | 2 | Manganese | Mn | 19 | 16 |
| Bromide | Br | 14 | 6 | Total nitrogen | Tot-N | 6 | 2 |
| Calcium | Ca | 30 | 20 | Sodium | Na | 27 | 18 |
| Chloride | Cl | 29 | 20 | Ammonium nitrogen | NH ₄ -N | 25 | 18 |
| Chemical Oxygen Demand | COD | 16 | 14 | Nitrate/Nitrite nitrogen | NO ₂₃ -N | 9 | 4 |
| Conductivity | COND | 26 | 18 | Oxygen-18 | O18 | 5 | 2 |
| Copper | Cu | 16 | 14 | Total phosphorus | Tot-P | 6 | 2 |
| Deuterium | D | 5 | 2 | pH | pH | 26 | 18 |
| Dissolved Inorganic Carbon | DIC | 9 | 4 | Phosphate phosphorus | PO ₄ -P | 25 | 18 |
| Dissolved Organic Carbon | DOC | 9 | 4 | Silicon | Si | 14 | 6 |
| Fluoride | F | 29 | 20 | Silicon as silica | SiO ₂ -Si | 9 | 4 |
| Iron | Fe | 19 | 16 | Sulphate | SO ₄ | 30 | 20 |
| Bicarbonate | HCO ₃ | 26 | 18 | Strontium | Sr | 14 | 6 |
| Iodide | I | 3 | | Total Organic Carbon | TOC | 10 | 4 |
| Potassium | K | 27 | 18 | Tritium | Tr | 5 | 2 |
| Lithium | Li | 14 | 6 | Zinc | Zn | 13 | 12 |

3.1.4 Reference data from the National database of private wells

A database from the Swedish Geological Survey, containing data from private wells, was used as reference for the major constituents of shallow groundwater /SGU 2005a/. In Table 3-5 there is a listing of the number of observations per element that was used as reference statistics. Data from excavated and drilled wells are presented separately. Excavated wells are most comparable to the soil tubes.

Table 3-5. Number of observations from the National database of private wells used as reference statistics /SGU 2005a/.

| Element | | Uppsala County | | Sweden | |
|------------------------|--------------------|----------------|---------|-----------|---------|
| | | Excavated | Drilled | Excavated | Drilled |
| Aluminium | Al | 46 | 70 | 1,423 | 1,668 |
| Calcium | Ca | 47 | 73 | 900 | 2,056 |
| Chloride | Cl | 66 | 672 | 6,822 | 12,433 |
| Chemical Oxygen Demand | COD | 9 | 12 | 5,374 | 2,887 |
| Fluoride | F | 66 | 647 | 1,464 | 9,362 |
| Iron | Fe | 66 | 672 | 4,555 | 11,091 |
| Bicarbonate | HCO ₃ | 66 | 672 | 8,897 | 13,579 |
| Potassium | K | 56 | 85 | 974 | 2,223 |
| Magnesium | Mg | 56 | 85 | 1,058 | 2,231 |
| Manganese | Mn | 66 | 672 | 4,252 | 10,934 |
| Sodium | Na | 56 | 85 | 1,054 | 2,237 |
| Ammonium nitrogen | NH ₄ -N | 65 | 669 | 1,611 | 9,805 |
| Nitrite nitrogen | NO ₂ -N | 66 | 672 | 1,635 | 10,119 |
| Nitrate nitrogen | NO ₃ -N | 66 | 671 | 1,724 | 10,134 |
| pH | pH | 59 | 667 | 8,948 | 13,745 |
| Phosphate phosphorus | PO ₄ -P | 18 | 571 | 713 | 7,532 |
| Sulphate | SO ₄ | 65 | 299 | 7,762 | 8,726 |

3.1.5 Reference data from Simpevarp

When available, reference data of soil tubes and private wells from the Simpevarp area are shown in box plots and statistical compilations. These data are described in /Tröjbom and Söderbäck 2006/, a parallel report to the present report for the Forsmark area.

3.1.6 Reference data – trace elements

From the report “Grundvattnets kemi i Sverige” /Naturvårdsverket 1995/ reference values were derived for the trace metals aluminium, copper, cadmium, zinc, arsenic and lead. These values, which represent non-disturbed shallow groundwaters, are based on data from the national and regional monitoring programmes “Grundvattennätet” and “PMK-grundvatten”.

Thorium and uranium reference data were derived from /SSI 2005/. These data, which may be assumed to represent typical conditions in Sweden, originates from a partly published research programme at SGU. During 2006, data on several more trace elements included in the same programme will be published.

For most other trace elements, e.g. rare earth metals, there are no reference data available for groundwater. As a complement, data from surface waters (lakes) are used as a reference. These data were derived from the background documents of the Swedish Environmental Quality Criteria for lakes and streams /Naturvårdsverket 1999a/ and the National survey of Swedish lakes and streams conducted at the year 2000 /IMA 2005/.

Reference data of precipitation were derived from Gårdsjön in the western part of Sweden /Eriksson 2001/.

3.2 Precipitation

Precipitation has been measured at two meteorological stations in the Forsmark area.

Descriptions of the meteorological sampling stations as well as some evaluations of chemical composition of precipitation is found in /Nilsson 2005/. Some meteorological data have been evaluated in the preliminary site description of Forsmark 1.2 /Johansson et al. 2005/.

3.2.1 Chemical data from precipitation

The chemical composition of precipitation has been analysed for 24 parameters at the meteorological sampling stations in the Forsmark area. During 2002 and most of 2003, the chemical sampling took place at PFM002457 and since the end of 2003 chemical sampling is conducted at PFM002564. The number of chemical analyses per month included in the compilations in this report is listed in Table 3-6.

Table 3-6. Number of analyses per month in precipitation at the sampling stations PFM002457 and PFM002564 in the Forsmark area.

| Station Year Month | PFM002457 | | PFM002564 | | | | | | | | | | | | | | | | | | | | |
|--------------------------|-----------|----|-----------|---|---|---|---|------|---|---|---|----|----|----|---|---|---|---|---|---|---|---|---|
| | 2002 | | 2003 | | | | | 2004 | | | | | | | | | | | | | | | |
| | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Aluminium | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Bicarbonate | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Bromide | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Calcium | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Chloride | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Conductivity | | | | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Deuterium | | | | | | | | | | | 1 | | | | 1 | 1 | | 1 | 1 | | | 1 | 1 |
| Dissolved organic carbon | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Fluoride | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Iodide | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Iron | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Magnesium | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Nitrogen (Kjeldahl) | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Nitrogen (nitrate) | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Nitrogen (total) | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Oxygen-18 | | | | | | | | | | | 1 | | | | 1 | 1 | | 1 | 1 | | | 1 | 1 |
| pH | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Phosphorus | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Potassium | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Silicon | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Sodium | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Sulphur as sulphate | 1 | 1 | 1 | | | 2 | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 |
| Sulphate | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Tritium | | | | | | | | | | | 1 | | | | 1 | 1 | | 1 | 1 | | | 1 | 1 |

3.2.2 Reference data from precipitation

Reference data of chemical composition was derived from two national sampling stations in Enköping (IVL:289) and Gotland (IVL:1554), respectively /IVL 2005/. These reference data represent the distribution of the yearly averages during the period 2000–2004.

3.3 Regolith

3.3.1 Investigations and previous evaluations

The Preliminary Site Description of Forsmark 1.2 includes a brief description of the chemistry of Quaternary deposits, based on available data from the site investigations /Lindborg et al. 2005/. Detailed descriptions of sampling and analytical issues are found in the reports compiled in Table 3-7.

Table 3-7. Summary of reports containing detailed descriptions of sampling and chemical analysis of Quaternary deposits in the Forsmark area.

| Description | SKB report number | Reference |
|---|-------------------|------------------------------|
| Description of the surface systems, Forsmark area – version 1.2. | R-05-03 | /Lindborg et al. 2005/ |
| Preliminary site description Forsmark area – version 1.2. | R-05-18. | /SKB 2005c/ |
| Mapping of unconsolidated Quaternary deposits. Forsmark. | P-03-11 | /Sohlenius et al. 2003/ |
| Mapping of unconsolidated Quaternary deposits. | P-03-14 | /Sohlenius and Rudmark 2003/ |
| Mapping of unconsolidated Quaternary deposits 2002–2003. | R-04-39 | /Sohlenius et al. 2004/ |
| Modelling of soil depth and lake sediments. An application of the GeoEditor at the Forsmark site. Svensk Kärnbränslehantering AB. | R-05-07 | /Vikström 2005/ |
| Element distribution in till at Forsmark – a geochemical study. | P-03-118 | /Nilsson 2003/ |
| Stratigraphical and analytical data from auger drillings and pits. | P-04-111 | /Hedenström et al. 2004/ |
| Stratigraphical and analytical data of Quaternary deposits. Forsmark site investigation. | P-04-148 | /Hedenström 2004b/ |
| Stratigraphical investigation of till in machine cut trenches. | P-04-34 | /Sundh et al. 2004/ |
| Drilling and sampling in soil. Installation of groundwater monitoring wells and surface water level gauges. | P-03-64 | /Johansson 2003/ |
| Drilling and pumping test of wells at Börstilåsen. | P-04-138 | /Werner et al. 2004/ |
| Supplementary drilling and soil sampling, installation of groundwater monitoring wells, a pumping well and surface water level gauges. | P-04-139 | /Werner and Lundholm 2004a/ |
| Boremap mapping of percussion boreholes HFM01–03. | P-03-20 | /Nordman 2003/ |
| Sampling and analyses of groundwater in percussion drilled boreholes at drillsite DS3. Results from the percussion boreholes HFM06 and HFM08. | P-03-49 | /Nilsson 2003c/ |
| Drilling of five percussion boreholes, HFM11–12 and HFM17–19, on different lineaments. | P-04-106. | /Claesson and Nilsson 2004/ |
| Investigation of marine and lacustrine sediment in lakes. | P-03-24 | /Hedenström 2003/ |
| Sampling and analyses of surface sediment inlakes and shallow bays. | P-04-05 | /Borgiel 2004/ |
| Investigation of marine and lacustrine sediment in lakes – Stratigraphical and analytical data. | P-04-86 | /Hedenström 2004a/ |
| Peatland investigation Forsmark. | P-04-127 | /Fredriksson 2004/ |
| Soils and site types in the Forsmark area. | R-04-08 | /Lundin et al. 2004/ |

3.3.2 Chemical data from Quaternary deposits

Samples of Quaternary deposits have been taken either during drilling of boreholes and soil tubes or in test pits and machine-excavated trenches. There are also a number of organic sediment samples taken from the bottom of lakes as well as a few peat samples from bogs. In Table 3-8 the available chemical data in the SICADA database on May 2005 is compiled. Details about the sampling techniques, descriptions of local conditions and stratigraphy of the sampling sites are described in the reports cited in Table 3-7 and 3-8. In the reports, there are often compilations of raw data and in some cases evaluations of data.

At some sampling sites of till, several sub-samples were taken at different depths, representing different levels of the deposits at each site. In one or two of these sub-samples the chemical composition were analysed /Sohlenius and Rudmark 2003/. In the following presentations these samples are either handled as separate observations or compiled as mean values. All individual samples of till are compiled in Appendix 5

The sampling of marine and lacustrine sediments consists of core samples analysed as sub-samples representing different depth intervals /Hedenström 2004ab/.

The chemical composition of peat was analysed in three general samples consisting of a large number of pooled sub-samples. At Lersättermyran, two different depth intervals were analysed separately /Fredriksson 2004/.

Soil sampling was conducted in sample plots where the different soil horizons were sampled in a few pits at each site /Lundin et al. 2004/. The sampling points of the different categories are shown in Figure 3-1.

Table 3-8. Compilation of available samples from till, sediment, peat and soil in the Forsmark area in the SICADA database in May 2005. Number of objects per category denotes the number of samples within the categories HCNS (pH, carbon, nitrogen, sulphur), calcium carbonate (CaCO₃), major constituents (Major), trace elements (Trace) and miscellaneous analyses (Misc). The different sampling campaigns are described in the SKB reports listed under 'Reference'. See Table 3-7 for further references on the SKB report numbers.

| Sample | Objekt | From | To | HCNS | CaCO ₃ | Major | Trace | Misc | Reference SKB report |
|----------|---------------------|----------------|-----------|------|-------------------|-------|-------|-------|----------------------|
| Till | Core drilling | KFM01A | KFM01A | 1 | | | | | – |
| Till | Percussion drilling | HFM01 | HFM13 | 9 | 4 | 4 | | | b) |
| Till | Soil tube | SFM0001 | SFM0072 | 35 | 14 | 14 | | | c) |
| Till | Soil depth test | PFM002461 | PFM002574 | 7 | 3 | 3 | | | P-03-64 |
| Till | Test pit | PFM002687 | PFM003742 | 10 | 5 | 5 | | | P-03-14 |
| Till | Trench | PFM002576 | PFM004761 | 15 | 8 | 8 | | | P-04-34 |
| Till | No info | PFM004531 | PFM004762 | | | | | | – |
| Soil | Sample area | AFM001066 | AFM001081 | 14 | | | | | R-04-08 |
| Peat | Sample area | AFM001078 | AFM001079 | 2 | | | | | R-04-08 |
| Peat | Bog | PFM004414 | PFM004429 | | | 2 | 2 | | P-04-127 |
| Sediment | Lake | PFM004193 | PFM004294 | 3 | 8 | | | | P-04-86 |
| Sediment | Lake | AFM000010 | AFM000076 | | | | | 7 (a) | P-04-05 |
| Sediment | Lake | Lake Stocksjön | | | | 1 (d) | 1 (d) | | – |

a. Aliphatics, PCB, and tin-compounds.

b. P-03-20, P-03-49. P-04-106.

c. P-03-64, P-04-138, P-04-139, P-04-148.

d. Unpublished data from Anna Brunberg, Uppsala University.

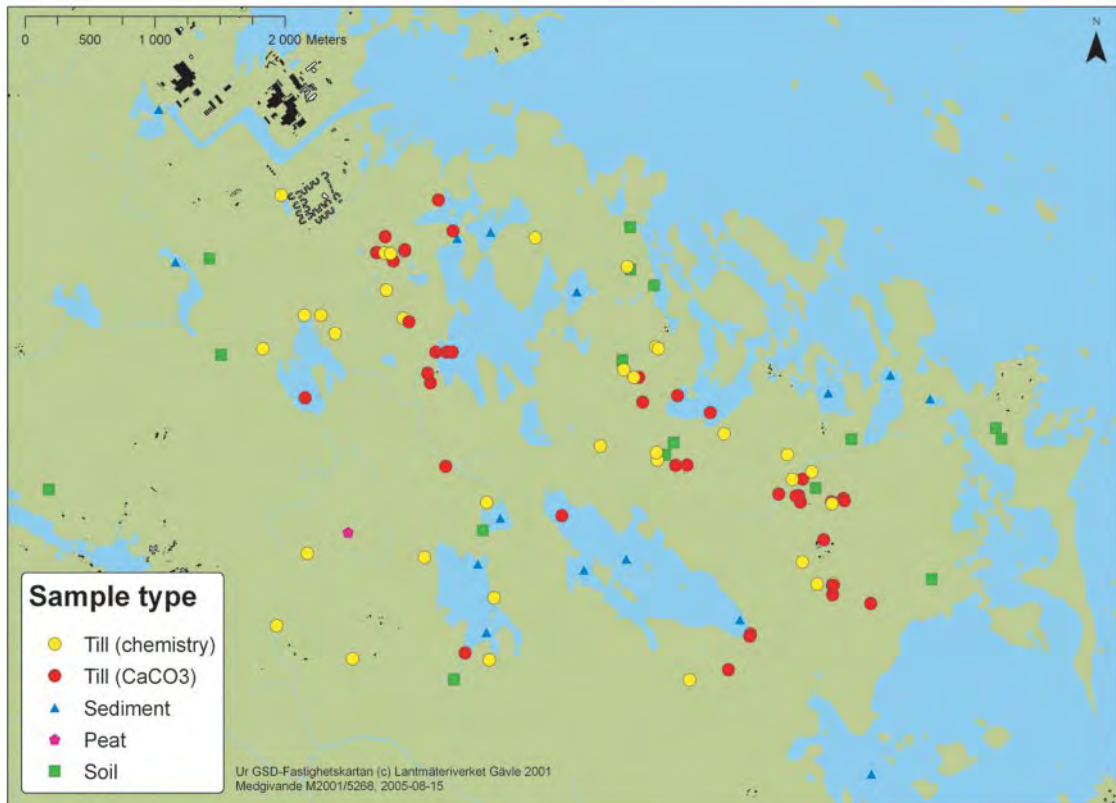


Figure 3-1. Map showing sampling sites for the different categories of samples in the Quaternary deposits in the Forsmark area. Till samples marked yellow denotes extended analysis of chemical composition and not only calcium carbonate (red).

3.3.3 Reference data from till samples

The geochemical database from the Geological Survey of Sweden, SGU was used as reference to till data from the Forsmark area. This database contains about 15 000 geochemical data of mostly fine-grained soils, sampled at a depth of 0.6 to 1.0 m. The database, which covers more than half the area of Sweden, is judged to be representative for the country. Since the region around Forsmark has not yet been surveyed, there are no regional reference data available for this region. The database contains element analyses based on various techniques as well as various solvents, a fact that has been accounted for at comparisons with data from the site investigations.

Descriptive statistics from the geochemical database was compiled by SGU. Statistics based on all Swedish till data is used as a national reference to the till data from the Forsmark area.

3.3.4 Reference data from sediment samples

The geochemical database of SGU also contains element analyses of fine grained sediments as glacial and post glacial clays. These data are sampled at a depth of about one meter below the soil surface. Median values of all sediment data in the geochemical database is used as a reference to the element analyses on samples from a sediment core from Lake Stocksjön. In addition, element concentrations of Swedish lake sediments, compiled by /Lithner and Holm 2003/, is used as a complementary reference.

3.3.5 Reference data peat samples

Peat data are compared with Swedish reference data from peat lands, presented in /Fredriksson 1984/.

3.3.6 Reference data from soil samples

In the section dealing with chemical soil composition, reference data from the nation wide Swedish survey of forest Soils and Vegetation (sw. *Ståndortskarteringen*) are reproduced /SML 2005/.

3.3.7 Element contents in amphibious plants

As an independent reference to the geochemical data presented in this report, data from the biogeochemical survey of SGU is compiled /SGU 2005b/. This database contains approximately 36 000 element analyses of amphibious plants collected in minor water courses. The sampled species are mainly different *Carex* species, *Fontinalis antipyretica* and *Filipendula ulmaria*.

4 Statistical methods used in data evaluations

In this section details on data handling, statistical methods, classification and presentation techniques are summarised.

4.1 Handling of values below reporting limits

For many elements there is a variation in the reporting limit, sometimes depending on different analytical methods used, and sometimes because different labs use different reporting limits. Environmental factors, e.g. salinity, may also influence the reporting limits. In all statistical calculations, values below reporting limits were set to a value equivalent to half of the reporting limit. When different reporting limits occur for a single object, the highest limit is shown in statistics and figures.

4.2 Classification of soil tubes

In order to condense and aggregate soil tube characteristics, statistics are shown for few categories, besides values for individual soil tubes.

A factor that probably is important for the chemical composition of groundwater is whether the soil tube is located in a recharge or discharge area. When the present report was compiled, no hydrological classification with respect to the direction of the groundwater flow was available. The preliminary classification used in this report is based on a combination of coarse topographical considerations and chemistry of soil tubes. Specifically, the identification of recharge and discharge areas (blue and red areas on the map below) made by the hydrogeochemical modelling group, ChemNet /SKB 2005b; Appendix 3/, was used to classify the soil tubes as situated in possible recharge or discharge areas (Figure 4-1).

In order to emphasise the preliminary nature of this classification, the soil tubes located in presumably recharge areas are termed 'higher' and tubes located in presumably discharge areas 'lower'. This designation reflects the fact that recharge areas usually are found at local topographical maxima and that discharge areas are found in lower points of the landscape, e.g. in the bottom of valleys or near lakes and streams. Among the soil tubes shown in Figure 4-1, 25 were classified as "higher" and 20 as "lower".

In addition to the categories 'all soil tubes', 'lower' and 'higher', separate statistics are also shown for the categories 'soil tubes in lake' and 'soil tubes at sea'. These soil tubes, which are installed in till below lake or sea sediments, show highly deviating chemical characteristics compared to the rest of the soil tubes. The category 'lower' includes the soil tubes located in lakes and at sea (Figure 4-2).

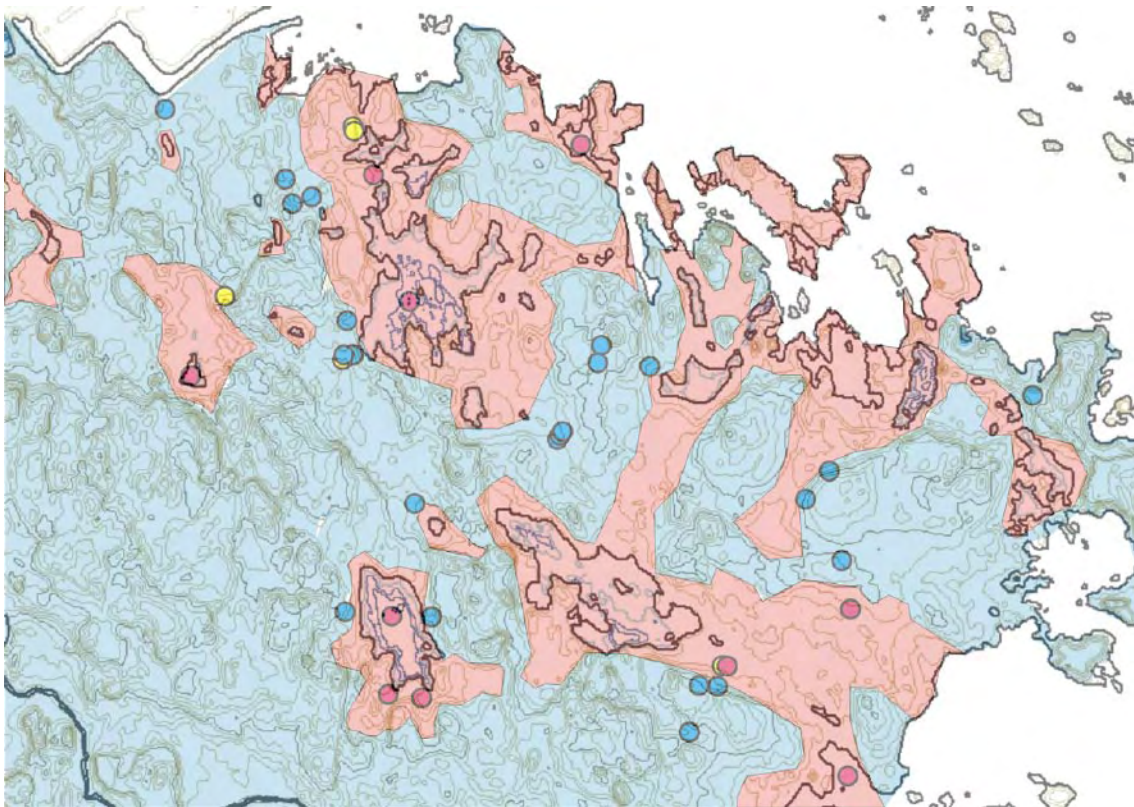


Figure 4-1. Hydrogeologic map showing presumably recharge (blue) and discharge (red) zones in Forsmark area /SKB 2005b/.

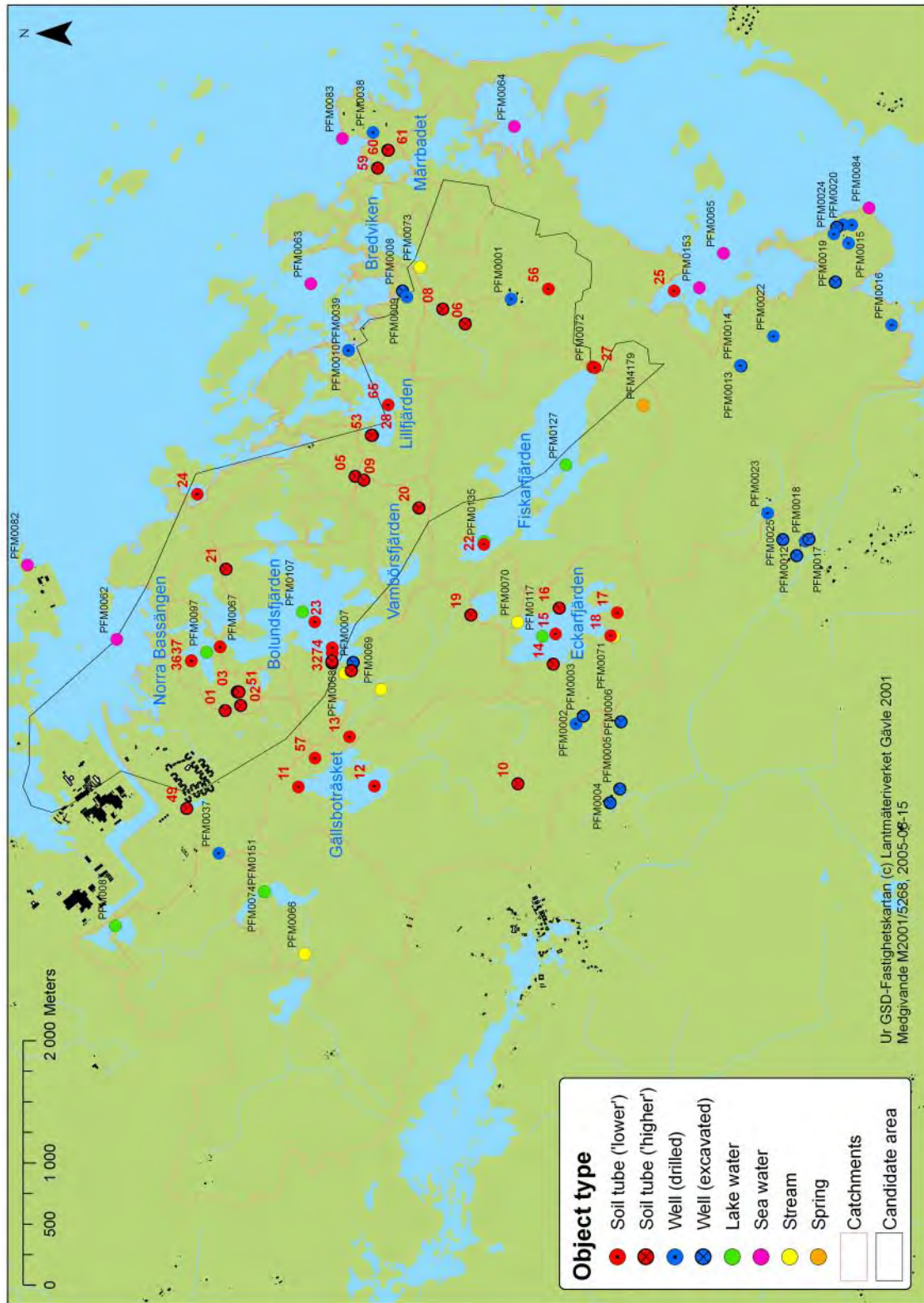


Figure 4-2. Map showing the preliminary classification of soil tubes in 'higher' and 'lower' located soil tubes (point or cross in red symbol). Identities for soil tubes are marked in red (SFM00XX). In addition, sampling sites for surface waters are marked in this map for orientation. The catchments are described in /Brunberg et al. 2004/.

4.3 Presentation techniques for comparisons among sampling sites

For data on water chemistry, the parameter values from individual sampling sites are compared among sites and with reference data by their statistical distributions. The statistical properties used in figures and tables are minimum, maximum, the 10-, 25-, 50- (median), 75- and 90-percentiles and the mean. The exact values of these properties, together with observation count, standard deviation and coefficient of variation (CV) are found in the appendices on the enclosed CD, where statistics for all parameters are compiled.

Box-plots are used to visualise the statistical distributions of the data. Depending on the amount of data available are the individual boxes more or less complete. When there are at least five observations, a full box including all statistical properties above is shown. When there is one observation available, only the mean is shown. When there are 2–4 observations, the minimum, mean and maximum values are shown (Figure 4-3).

Each sampling site is identified on the left side of the box-plot by the ID-code, the classification in ‘higher’ (H) or ‘lower’ (L) location (see previous section for the rationale behind the classification), the sub-catchment number, and finally the supplementary information if the soil tube is located at a drill site (ds), in till below lake sediments (la) or sea sediments (se). The rest of the soil tubes are marked ‘no’. For example has the soil tube located in till below the sediments of Lake Bolundsfjärden in sub-catchment 2:3 the identity **SFM0023 (L2:3) la**.

In the box-plots, sampling sites situated in different sub-catchments are separated by horizontal broken lines. The objects found in the top of the figures are part of the northernmost catchment. Additionally, all sub-catchments are assorted by the position in the water system when possible, i.e. the water flows from upstream to downstream in each catchment. When possible, data were compared with local, regional and national reference data, marked as ‘reference’ in the box-plots. The different reference data sets used are described earlier in this report.

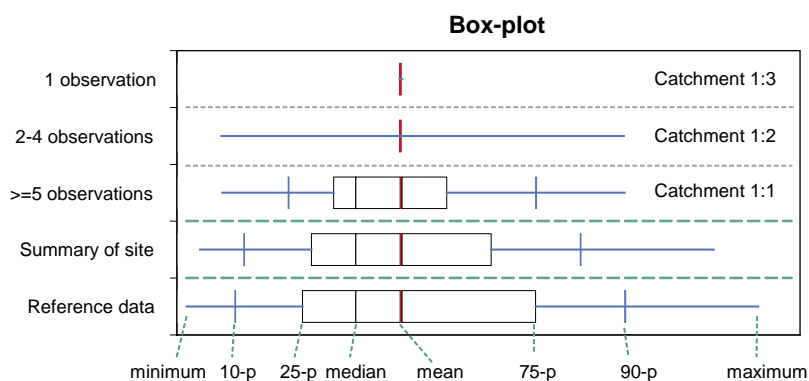


Figure 4-3. The construction of box-plots, showing statistical distributions of parameter values for individual sampling sites or soil tubes, and for different categories (summary of site). The corresponding distributions for local, regional and national reference data are included under ‘Reference data’. 10-p denotes the 10th percentile etcetera.

4.4 Spatial variation

The spatial variation in the area is outlined in maps where concentration differences are visualised by dots of different sizes, representing the arithmetic mean values for the individual objects. An automatic algorithm in ArcGis, called 'natural breaks' is in most cases used in order to find eight suitable classes. This method enhances the differences by making a non-linear scale, which should be held in mind when the maps are evaluated.

In addition to the soil tubes, also private wells and sampling sites in surface waters (lakes, streams and sea) are included in the maps. By this, it is possible to relate the concentrations in the shallow groundwater to the measurements in adjacent wells and surface waters.

4.5 Temporal variation

The time trends and temporal variation over time in the chemical composition of shallow groundwater was investigated by comparing coefficients of variation and by studying time series. In this study, soil tubes with seven or more observations were selected in order to exclude the shorter and possibly non-representative series. As the sampling occurs at only four times a year the possibilities to catch the seasonal variation are somewhat limited, especially in recharge areas.

4.6 Relationships among elements and among sampling sites

The relationships among both the sampling sites and the different chemical parameters were investigated by applying a *Principal Component Analysis* (PCA). A PCA was performed separately on data from groundwater, till, and sediment, respectively. In the PCA, mean values from each sampling site were used in order to isolate the spatial variation. The PCA analysis reveals underlying factors that influence the parameters to different extent. By comparing the co-variation (the loadings) between the parameters and these factors, conclusions could be drawn about the relationships among parameters and parameter groups. The analysis also reveals the influence from individual objects (scores), making it possible to identify soil tubes with similar properties. The PCA was based on a Pearson correlation matrix, with scaled and centred data. No transformations were made prior to the analysis. Missing data was handled by an automatic algorithm, which replace the missing values with the overall mean of the parameter.

In order to facilitate an interpretation of the processes involved in the forming of the chemical composition of shallow groundwater, a selection of *ratios* between elements or chemical species is presented. Ratios are calculated both between major elements and between environmental isotopes. To reveal rock-water interactions affecting the chemical composition of the shallow groundwater, *saturation indexes* were calculated for several minerals. The thermodynamic database WATEQ4F was used in these calculations /USGS 2005/. For some of the parameters and parameter groups *correlation plots* and *correlation matrices* are shown in order to facilitate the evaluation.

5 Shallow groundwater – presentation and evaluation of primary data

The evaluation of water chemical composition of shallow groundwater in the Forsmark area has been divided in three sections.

In the *first section* observations from individual soil tubes and different categories are compared to various reference data. The spatial variation is also shown in maps for most elements. This section is divided in six parts dealing with major constituents, nutrients (CNP), redox state, pH, trace elements and isotopes.

The *second section* deals with temporal and seasonal variations and time trends.

In the *third section*, relationships between variables are explored by methods such as principal component analysis, ratios and saturation indices.

5.1 Parameter overview

In the SICADA database there are nearly hundred different chemical parameters measured in groundwater, including isotopes and trace elements. In Figure 5-1 the concentration distributions are shown for a selection of these parameters.

The elements occur in concentrations differing about six orders of magnitude. The highest concentrations are found among the major elements, which range from a few milligrams per litre to more than a gram per litre. The lowest concentrations, which are found for trace elements as cadmium and thorium, are measured in nanograms per litre.

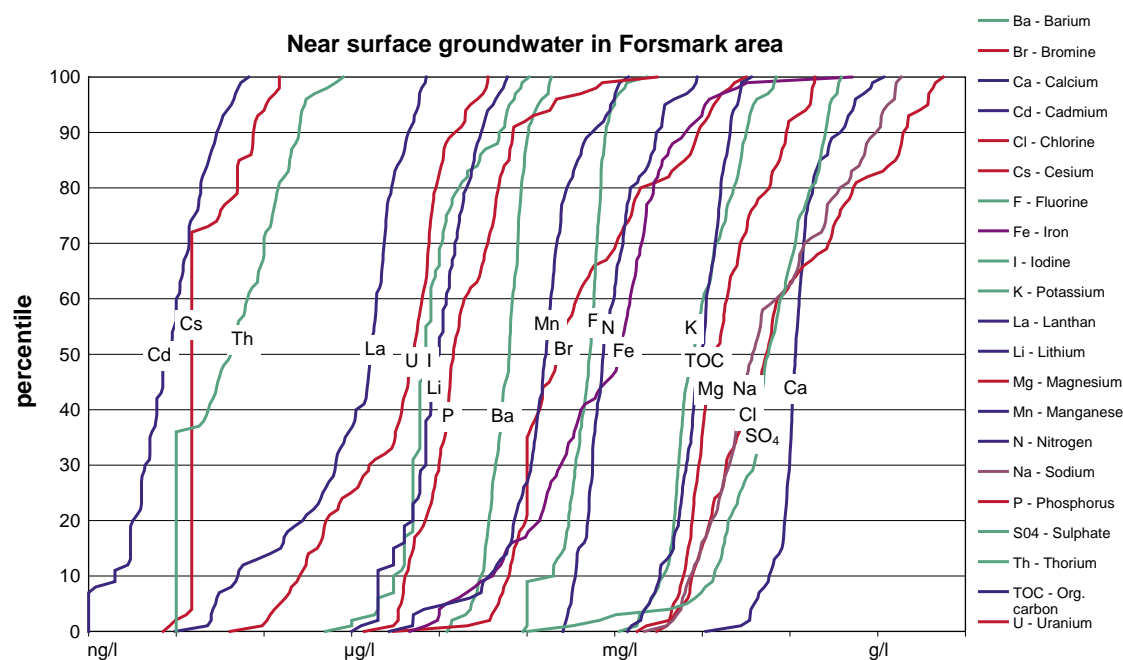


Figure 5-1. Concentration distributions for a selection of the parameters measured in soil tubes at Forsmark site.

5.2 Evaluation of data quality

The data quality in the material was evaluated by calculating the charge balance error for the major constituents. In the soil, tubes the average of the absolute deviations is 2.3%, which is well below 5%, the frequently used limit for individual analyses accepted as valid. Six percent of the analyses in soil tubes, and as much as 27 percent of the analyses of private wells exceed this limit (Table 5-1).

For some of the parameters, more or less of the observations falls below reporting limits. As these observations are included in the statistics by a value equivalent to half of the reporting limit, it is important to identify parameters and objects where a considerable fraction of the observations fulfil these criteria. In Figure 5-2 all parameters are shown, where more than 5% percent of the observations fall below the reporting limit.

This is the case for a total of 40 parameters. For some trace elements as scandium, terbium and thorium this fraction exceeds 30%. For cesium, mercury, thallium and the isotopes of thorium-232 and uranium-235 this fraction exceeds 70%, making these parameters difficult to evaluate.

It should be pointed out that the fraction that falls below reporting limits may constitute a considerably greater fraction when individual soil tubes are concerned, making the comparisons including these objects uncertain. In the appendices, all values below reporting limit is denoted by a '<' sign followed by the reporting limit.

Table 5-1. Charge balance error (CBE) including Ca, Mg, Na, K, Cl, SO₄ and HCO₃. The error expressed in percent was calculated by the formula $100 * (\text{cations}-\text{anions}) / (\text{cations}+\text{anions})$, with all ions expressed in meq/l.

| Object | Total number of observations | Number of observations where CBE > 5% or CBE < 5% | Average of absolute CBE in all observations % |
|---------------|------------------------------|---|---|
| Soil tubes | 189 | 11 (6%) | 2.3 |
| Private wells | 48 | 13 (27%) | 4.2 |

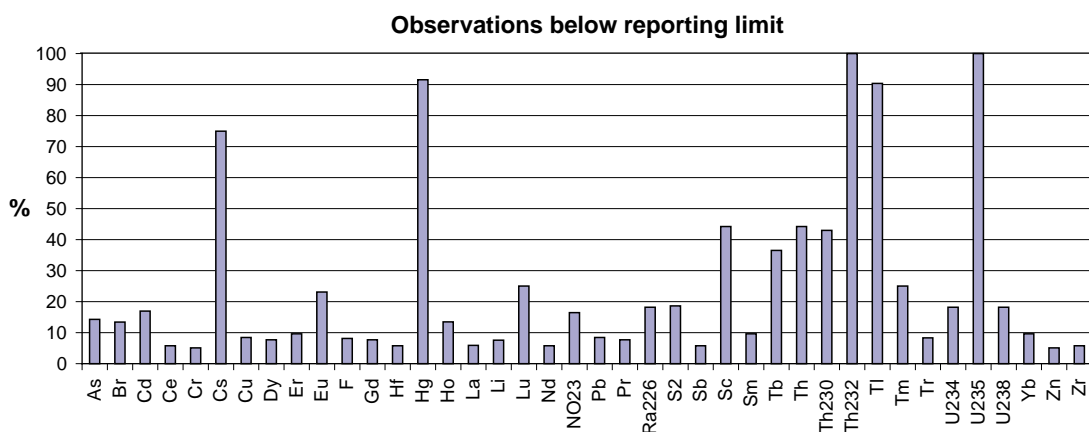


Figure 5-2. The portion of the observations that falls below the reporting limit of the used analytical methods in the soil tubes in the Forsmark area.

5.3 Major and minor constituents – overview

Shallow groundwater contains various dissolved and particulate minerals, organic substances and dissolved gases. Depending on factors in the catchments, the overburden and the underlying bedrock, the groundwater composition is influenced by a number of hydrogeochemical processes. These processes involve the atmosphere, biosphere and lithosphere. Examples of processes affecting the local chemistry of shallow groundwater are decomposition of organic matter, dissolution of soluble phases (e.g. calcite), and mixing with relict saline waters. As the groundwater composition is highly dependent on the contact time between water and bedrock or minerals in the overburden, younger ground waters can be assumed to differ significantly from waters with longer residence time.

The major constituents of groundwater are in general bicarbonate, calcium, chloride, magnesium, silicon, sodium, sulphate and carbonic acid. The minor constituents are in general boron, carbonate, fluoride, iron, nitrate, potassium and strontium. The rest of the elements presented in this section, that sometimes are considered as trace elements, are barium bromide, and iodide /Schwartz and Zhang 2003/.

Figure 5-3 shows a Piper diagram where average concentrations of the major constituents are plotted. Blue dots represent soil tubes at ‘higher’ levels and red dots tubes at ‘lower’ levels, according to the classification previously described.

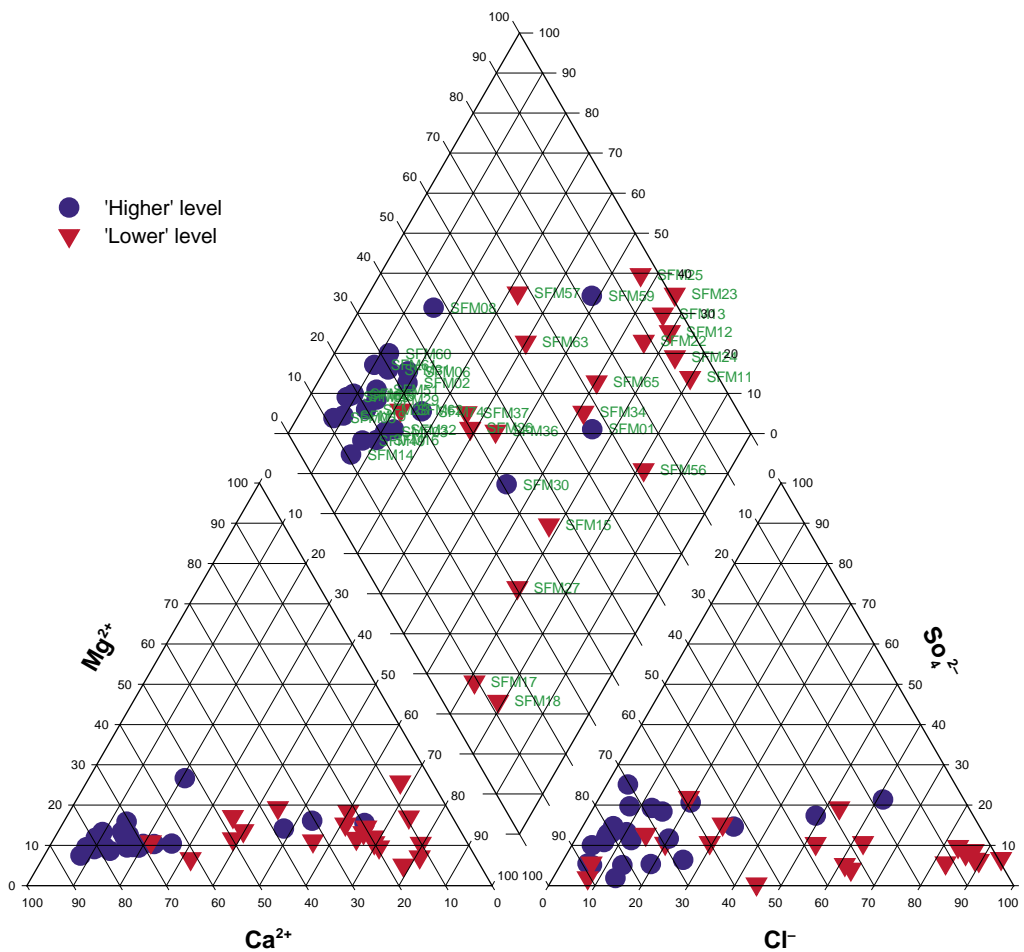


Figure 5-3. Piper diagram where mean concentrations of the major constituents are plotted for the soil tubes in the Forsmark area. The id-codes for the soil tubes are shown as green numbers. See Section 4.2 for an explanation of the classification in ‘higher’ and ‘lower’ soil tubes used in the plot.

Most of the soil tubes at ‘higher’ levels are of Ca-HCO₃ type (left side of the prism), indicating recently infiltrated water. Soil tubes at ‘lower’ levels forms two different groups; on the right side the Na-Cl type dominated by the soil tubes located in the lakes and at sea, and in the lower part the Na-HCO₃ type dominated by soil tubes in the vicinity of Lake Eckarfjärden.

There are a number of soil tubes in the middle of the Piper plot, showing intermediate characteristics in respect to the major constituents. Mixing of groundwaters of different origin could be an explanation to the observed pattern.

SFM0001, SFM0030 and SFM0059 are examples of soil tubes classified as ‘higher’ that falls into the area dominated by ‘lower’ located soil tubes in the Piper diagram. SFM0001 is located on a topographic maximum at drill site DS1, and the latter two are located near a lake or coast. The opposite applies to the soil tubes SFM0026, SFM0036, SFM0037, SFM0057, SFM0062 and SFM0063, which may indicate that the ground water in these tubes has mostly local origin with probably shorter residence times.

The electrical conductivity is a measure of the total content of dissolved ions. Some of the soil tubes, especially those located in lakes, show high conductivities, comparable to sea water (Figure 5-4). This is also the fact for some of the private wells near the coast. For most of the soil tubes classed as ‘higher level’ the conductivities are slightly higher than for the surface waters in the area. The highest conductivity is found in SFM0023, located in till below the sediments of Lake Bolundsfjärden.

In Table 5-2, median values of major and minor constituents are shown for individual soil tubes as well as for the categories ‘lake’, ‘sea’, ‘higher’ and ‘lower’. The median values represent very different numbers of observations. This table is compiled to facilitate comparisons between several elements. In the following sections each element is accounted for separately. See Appendix 2 for further details on number of observations, percentiles, mean values and variances.

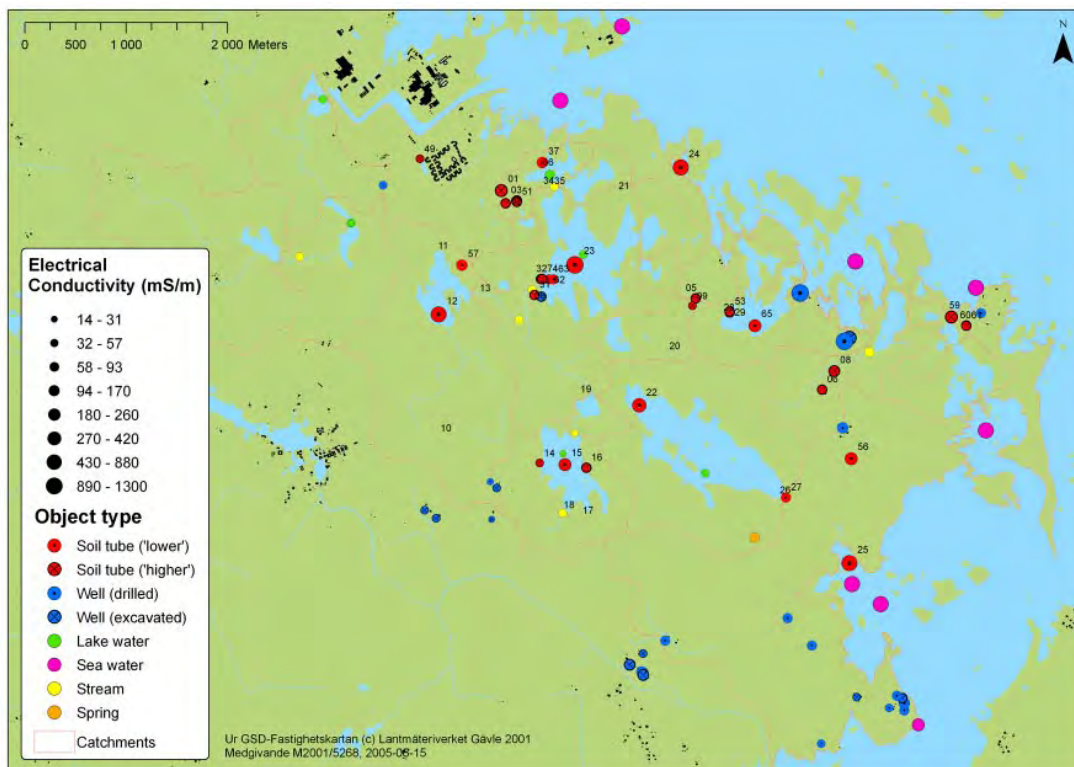


Figure 5-4. Electrical conductivity in soil tubes, private wells, lake, stream and sea water in the Forsmark area. The numbers corresponds to the last two digits in the id-codes of the soil tubes.

Table 5-2. Summary of some major and minor constituents of groundwater in the Forsmark area. Median values in mg/l. The figures corresponds in order from left to right to the identification code for the soil tube, the catchment name , the sub-catchment number, the classification in 'higher' (H) and ' lower' (L) located soil tubes.

| Idcode | Catchment | | Ca | Mg | Na | K | Sr | Li | Cl | HCO ₃ | SO ₄ | F | Br | I |
|-------------------------------|-----------------|--------|-----|-----|-------|-----|-------|---------|-------|------------------|-----------------|-------|-------|--------|
| SFM0001 | Coastal area | H | 88 | 35 | 260 | 16 | 0.33 | 0.016 | 340 | 430 | 160 | 0.59 | 1.00 | 0.0080 |
| SFM0002 | Norra bassängen | 2:1 H | 110 | 8.0 | 22 | 4.5 | 0.17 | < 0.004 | 51 | 340 | 20 | 0.54 | 0.21 | 0.0070 |
| SFM0003 | Norra bassängen | 2:1 H | 93 | 26 | 26 | 13 | 0.46 | 0.015 | 13 | 420 | 57 | 0.69 | < 0.2 | 0.0050 |
| SFM0005 | Coastal area | H | 110 | 5.3 | 7.1 | 1.9 | 0.11 | < 0.004 | 8.2 | 360 | 15 | < 0.2 | 0.071 | 0.018 |
| SFM0006 | Bredviken | 5:1 H | 140 | 10 | 20 | 26 | 0.19 | < 0.004 | 40 | 410 | 81 | 0.30 | 0.21 | 0.0030 |
| SFM0008 | Bredviken | 5:1 H | 150 | 18 | 30 | 7.1 | 0.24 | 0.011 | 110 | 380 | 79 | 0.32 | 0.27 | 0.0010 |
| SFM0009 | Vambörsfjärden | 2:6 H | 89 | 5.8 | 5.9 | 2.7 | 0.098 | 0.0040 | 8.4 | 280 | 21 | 0.29 | < 0.2 | 0.0045 |
| SFM0010 | Gällsboträsket | 2:8 H | 66 | 4.2 | 2.2 | 2.2 | 0.077 | < 0.004 | | 240 | | | 0.011 | |
| SFM0011 | Gällsboträsket | 2:8 L | 150 | 72 | 1,000 | 24 | 1.1 | 0.026 | 1,800 | 330 | 220 | 0.48 | 7.0 | 0.021 |
| SFM0012 | Gällsboträsket | 2:8 L | 280 | 91 | 1,100 | 35 | 2.0 | 0.034 | 2,200 | 340 | 220 | 0.60 | 9.5 | 0.057 |
| SFM0013 | Bolundsfjärden | 2:3 L | 250 | 96 | 790 | 31 | 2.4 | 0.025 | 1,800 | 240 | 160 | 0.96 | 8.8 | 0.027 |
| SFM0014 | Eckarfjärden | 2:10 H | 85 | 7.1 | 15 | 5.2 | 0.17 | 0.0050 | 7.2 | 320 | 14 | 0.68 | 0.048 | 0.0060 |
| SFM0015 | Eckarfjärden | 2:10 L | 36 | 61 | 270 | 29 | 0.50 | 0.018 | 310 | 740 | 0.49 | 0.56 | 1.4 | 0.087 |
| SFM0016 | Eckarfjärden | 2:10 H | 90 | 7.5 | 23 | 3.6 | 0.18 | < 0.004 | 26 | 340 | 15 | 0.45 | 0.082 | 0.0060 |
| SFM0017 | Eckarfjärden | 2:10 L | 44 | 11 | 150 | 8.6 | 0.17 | 0.0070 | 18 | 540 | 7.4 | 1.2 | 0.071 | 0.0080 |
| SFM0018 | Eckarfjärden | 2:10 L | 29 | 4.4 | 130 | 6.1 | 0.080 | < 0.004 | 12 | 430 | 20 | 1.5 | 0.054 | 0.0060 |
| SFM0019 | Bolundsfjärden | 2:3 H | 98 | 9.6 | 7.0 | 5.9 | 0.27 | 0.0050 | 5.1 | 350 | 30 | 0.63 | 0.097 | 0.0070 |
| SFM0020 | Vambörsfjärden | 2:6 H | 120 | 8.1 | 8.0 | 5.1 | 0.18 | 0.0050 | 11 | 370 | 43 | 0.68 | 0.057 | 0.0030 |
| SFM0021 | Bolundsfjärden | 2:3 H | 120 | 12 | 11 | 4.9 | 0.18 | 0.0070 | | 380 | | | 0.036 | 0.0020 |
| SFM0022 | Fiskarfjärden | 8:1 L | 220 | 62 | 630 | 31 | 2.1 | 0.026 | 1,200 | 370 | 110 | 0.90 | 4.7 | 0.061 |
| SFM0023 | Bolundsfjärden | 2:3 L | 530 | 170 | 1,600 | 65 | 3.6 | 0.054 | 3,800 | 130 | 350 | 0.35 | 15 | 0.048 |
| SFM0024 | Coastal area | L | 140 | 120 | 920 | 42 | 1.0 | 0.029 | 1,700 | 350 | 270 | 0.32 | 5.9 | 0.012 |
| SFM0025 | Coastal area | L | 430 | 78 | 730 | 19 | 4.3 | 0.023 | 1,900 | 240 | 240 | 0.36 | 7.9 | 0.029 |
| SFM0026 | Fiskarfjärden | 8:1 L | 99 | 13 | 73 | 8.2 | 0.38 | 0.010 | 97 | 380 | 50 | 0.48 | 0.30 | 0.0060 |
| SFM0027 | Fiskarfjärden | 8:1 L | 39 | 13 | 130 | 8.2 | 0.27 | 0.011 | 62 | 410 | 48 | 0.45 | 0.25 | 0.0065 |
| SFM0028 | Lillfjärden | 4:2 H | 110 | 12 | 16 | 5.7 | 0.21 | 0.0070 | 13 | 380 | 46 | 0.46 | 0.070 | 0.0070 |
| SFM0029 | Lillfjärden | 4:2 H | 120 | 12 | 16 | 4.9 | 0.20 | 0.0080 | 19 | 400 | 51 | 0.35 | < 0.2 | 0.0075 |
| SFM0030 | Bolundsfjärden | 2:3 H | 67 | 19 | 110 | 13 | 0.35 | 0.011 | 69 | 410 | 100 | 1.0 | 0.27 | 0.0080 |
| SFM0031 | Bolundsfjärden | 2:3 H | 140 | 18 | 19 | 9.8 | 0.43 | 0.011 | 8.1 | 440 | 120 | 0.53 | < 0.2 | 0.0040 |
| SFM0032 | Bolundsfjärden | 2:3 H | 100 | 8.8 | 27 | 5.4 | 0.19 | 0.0070 | 24 | 350 | 39 | 0.65 | < 0.2 | 0.0050 |
| SFM0034 | Norra bassängen | 2:1 L | 100 | 36 | 260 | 15 | 0.40 | 0.014 | 430 | 460 | 49 | 0.59 | 1.4 | 0.0080 |
| SFM0036 | Norra bassängen | 2:1 L | 110 | 33 | 130 | 12 | 0.40 | 0.014 | 150 | 520 | 110 | 0.64 | 0.56 | 0.0070 |
| SFM0037 | Norra bassängen | 2:1 L | 120 | 24 | 90 | 9.0 | 0.34 | 0.011 | 68 | 430 | 120 | 0.61 | 0.34 | 0.0060 |
| SFM0049 | Coastal area | H | 62 | 4.4 | 12 | 2.7 | 0.083 | < 0.004 | 16 | 200 | 2.5 | 0.34 | < 0.2 | 0.0040 |
| SFM0051 | Norra bassängen | 2:1 H | 120 | 7.2 | 17 | 5.1 | 0.18 | 0.0070 | 45 | 330 | 17 | 0.55 | < 0.2 | 0.0060 |
| SFM0053 | Lillfjärden | 4:2 H | 130 | 11 | 9.6 | 4.5 | 0.18 | 0.0090 | 11 | 390 | 43 | 0.37 | < 0.2 | 0.0070 |
| SFM0056 | Coastal area | L | 57 | 20 | 500 | 9.8 | 0.40 | 0.017 | 510 | 460 | 250 | 0.63 | 1.7 | 0.012 |
| SFM0057 | Gällsboträsket | 2:8 L | 170 | 9.0 | 83 | 4.7 | 0.25 | < 0.004 | 310 | 260 | 25 | < 0.2 | 1.2 | 0.013 |
| SFM0059 | Märrbadet | 7:2 H | 210 | 43 | 270 | 13 | 0.46 | 0.021 | 580 | 330 | 280 | 0.65 | 1.7 | 0.0090 |
| SFM0060 | Coastal area | H | 120 | 8.3 | 6.6 | 5.1 | 0.14 | 0.0040 | 7.2 | 340 | 70 | 0.71 | 0.043 | 0.0020 |
| SFM0061 | Märrbadet | 7:2 H | 100 | 6.5 | 9.4 | 4.4 | 0.12 | 0.0040 | 13 | 290 | 57 | 0.77 | 0.054 | 0.0020 |
| SFM0062 | Bolundsfjärden | 2:3 L | 88 | 8.5 | 26 | 5.3 | 0.17 | 0.0070 | 27 | 280 | 39 | 0.66 | 0.13 | 0.0060 |
| SFM0063 | Bolundsfjärden | 2:3 L | 75 | 12 | 61 | 6.9 | 0.29 | 0.0085 | 150 | 200 | 40 | 0.42 | 0.47 | 0.0085 |
| SFM0065 | Lillfjärden | 4:2 L | 83 | 38 | 220 | 14 | 0.36 | 0.013 | 370 | 310 | 87 | < 0.2 | 1.2 | 0.0080 |
| SFM0074 | Bolundsfjärden | 2:3 H | 110 | 9.9 | 43 | 5.5 | 0.22 | 0.0070 | 55 | 350 | 45 | 0.62 | 0.22 | 0.0060 |
| Soil tubes at 'higher' levels | | H | 110 | 9.8 | 22 | 5.4 | 0.20 | 0.0070 | 23 | 360 | 45 | 0.56 | < 0.2 | 0.0060 |
| Soil tubes at 'lower' levels | | L | 120 | 53 | 340 | 18 | 0.48 | 0.018 | 400 | 350 | 120 | 0.52 | 1.7 | 0.014 |
| All soil tubes | | | 110 | 13 | 37 | 7.8 | 0.25 | 0.0090 | 56 | 360 | 50 | 0.55 | 0.23 | 0.0070 |

5.3.1 Calcium, magnesium, sodium and potassium

The *calcium* concentrations of the groundwaters are markedly elevated in the Forsmark area compared to the concentrations usually measured in wells in Sweden and Uppsala County. The median value of Forsmark soil tubes exceeds the 90-percentile of the concentrations measured in excavated Swedish wells (Figure 5-5).

Especially high calcium concentrations are found in soil tubes located in till below the sediments of lakes or at sea (e.g. SFM0012, SFM0023, SFM0022 and SFM0025). Except for these soil tubes, there are rather small differences between tubes at 'higher' and 'lower' levels, indicating small differences in calcium concentration between soil tubes in recharge and discharge areas.

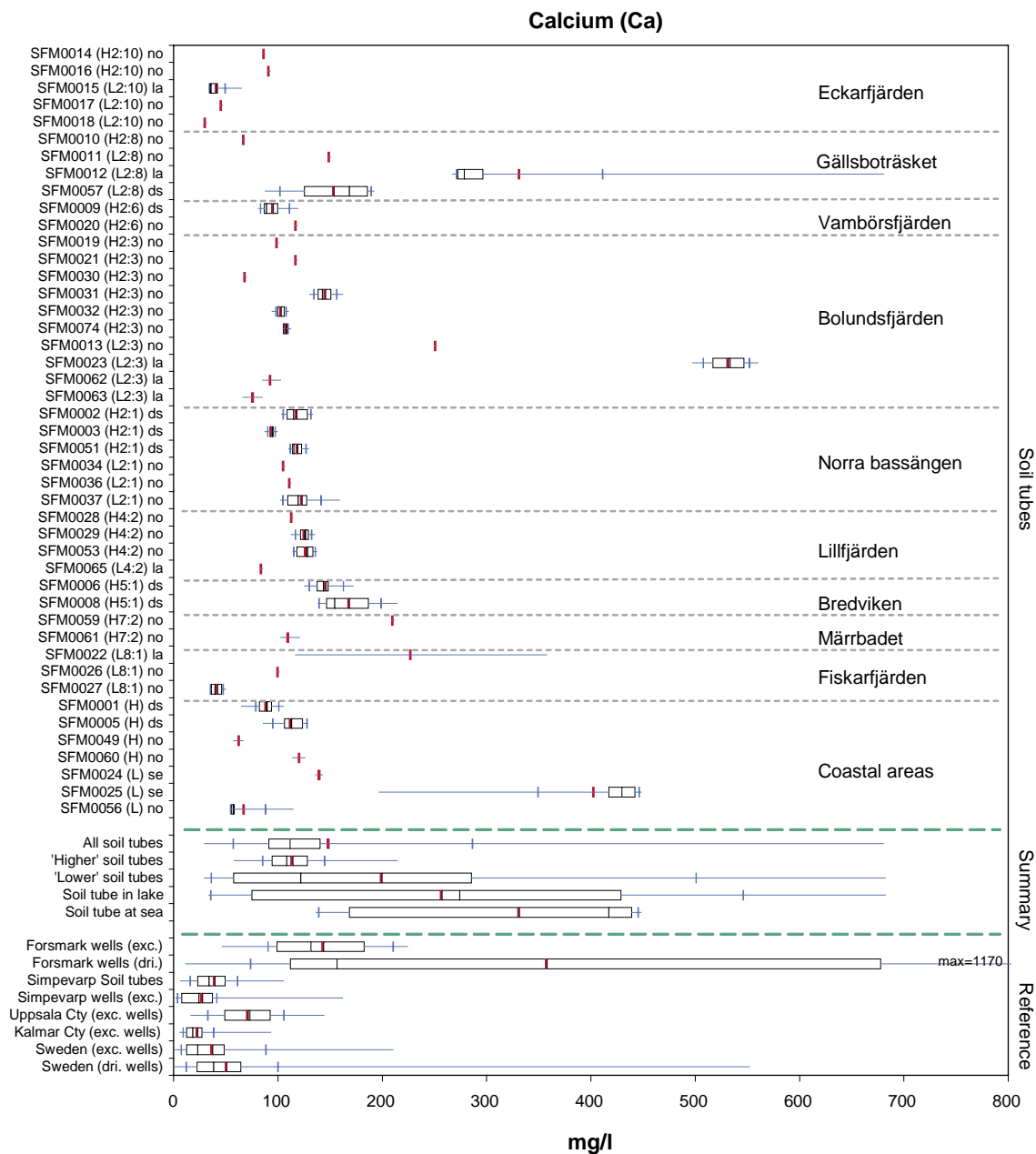


Figure 5-5. Calcium concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The soil tubes at 'lower' levels, in or south of Lake Eckarfjärden show especially low calcium content compared to the rest of the area. This condition is contrary to the pattern of the other soil tubes located in lakes where the concentration is generally higher than in the surrounding soil tubes.

The calcium concentrations are generally higher in shallow groundwaters compared to stream-, lake- and sea waters according to Figure 5-6. The calcium concentrations in precipitation usually range from 0.1 to 0.5 mg/l. In streams concentrations of 50 mg/l is usually measured, compared to 5 mg/l in the rest of Sweden. The values found in sea water are slightly higher, 70 mg/l.

The explanation for the elevated calcium concentrations in the groundwaters is found in the calcium rich quaternary deposits that cover the Forsmark area. The calcium content of these deposits originates from Gävlebukten, a bay of Östersjön about 100 km north of the Forsmark site that is covered by Cambrian and Ordovician sedimentary bedrock. The calcium rich material was transported from Gävlebukten and deposited in the Forsmark area during the latest glacial period. Very high contents of calcite, ranging from 18 to 24% CaCO₃, have been measured in till /SKB 2005c/.

The typical calcium concentration in shallow groundwater in the Forsmark area is 100 mg/l. Concentrations in the order of 500 mg/l are found in some soil tubes located in the till below the sediments of the lakes.

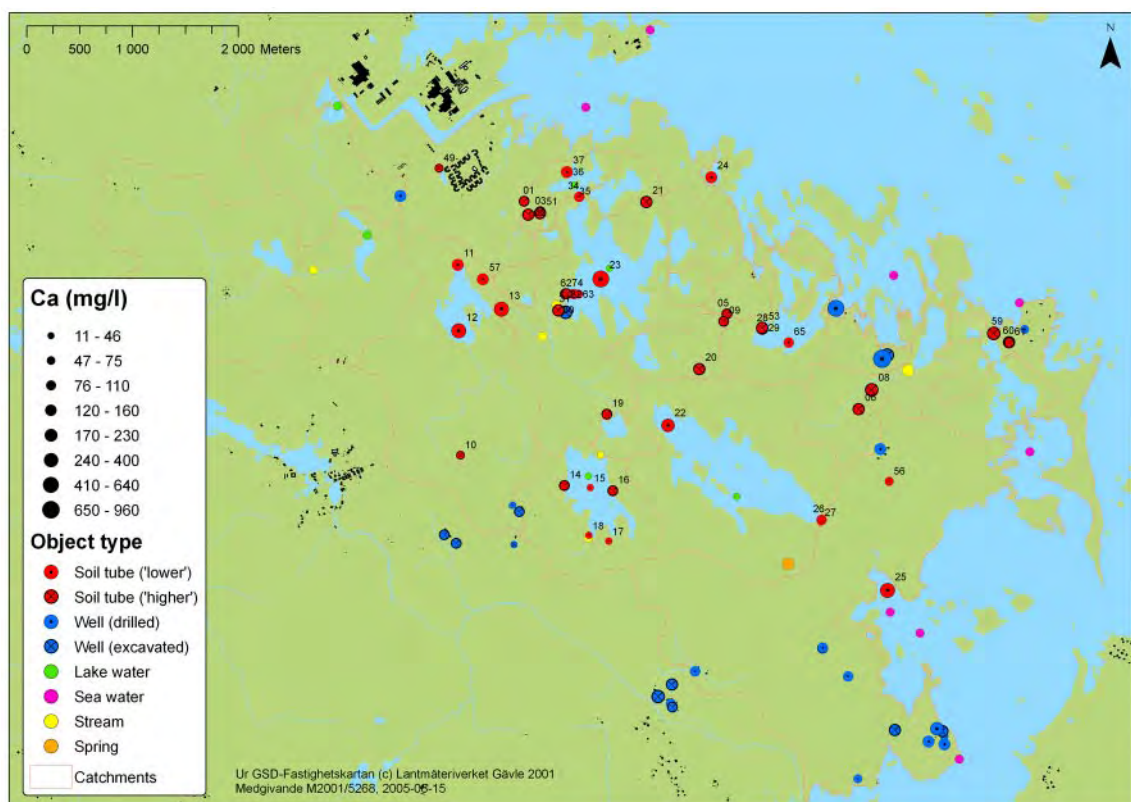


Figure 5-6. Calcium concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The **magnesium** concentrations in the groundwaters of the Forsmark area are slightly elevated compared to concentrations measured in wells in Sweden and Uppsala County. In comparison with the extremely high calcium levels found in the area are the magnesium levels not that noticeable.

Eight soil tubes shows considerably higher magnesium content. In these tubes the magnesium concentration is elevated about an order of magnitude compared to soil tubes at 'higher' levels. The highest magnesium content is found in SFM0023, located in till below the sediments of Lake Bolundsfjärden (Figure 5-7).

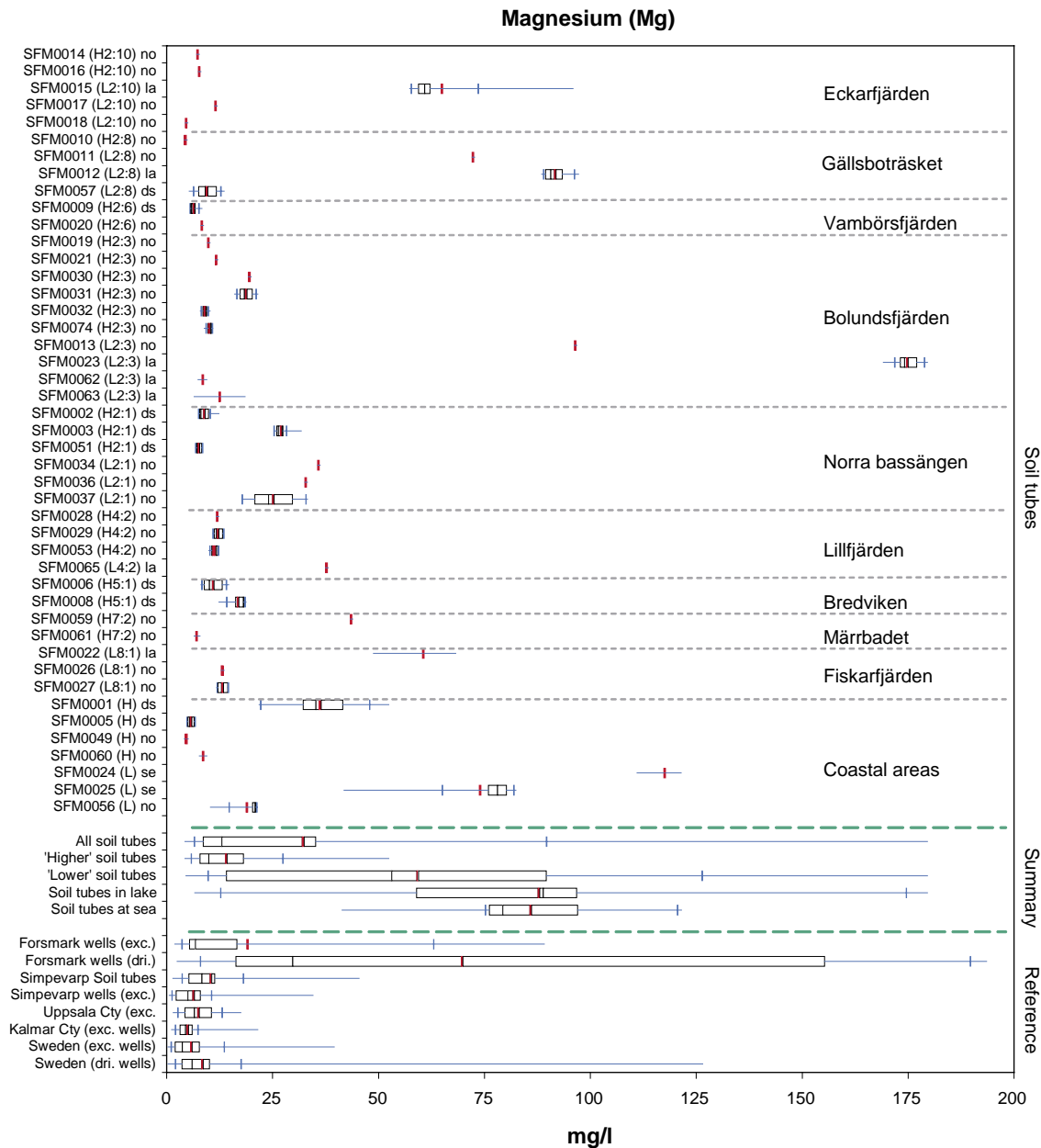


Figure 5-7. Magnesium concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The lowest magnesium concentrations are, as for calcium, found near Lake Eckarfjärden. Contrary to calcium, elevated magnesium levels are found in the soil tube located in the middle of the lake. Comparisons between surface water from the inlet and outlet of Lake Eckarfjärden indicate that water with different origin and different composition might enter the lake besides the sampled inlet /Sonesten 2005/.

The magnesium concentrations are generally higher in shallow groundwaters compared to both stream and lake waters and lower, or in the same magnitude as sea water (Figure 5-8). The magnesium concentration in precipitation is usually around 0.08 mg/l. In streams concentrations of 5 mg/l are usually measured, compared to 1 mg/l in the rest of Sweden. The concentrations found in sea water are markedly higher, 170 mg/l.

The fact the lowest magnesium concentrations coincides with the highest topographical levels indicates that one of the most important factors behind the magnesium pattern probably is marine relics. The uplift is significant in the region and a substantial part of the study area has relatively recently emerged from the sea.

Typical magnesium concentrations in shallow groundwater in the Forsmark area are 10 mg/l at 'higher' levels and 50 mg/l at 'lower' levels.

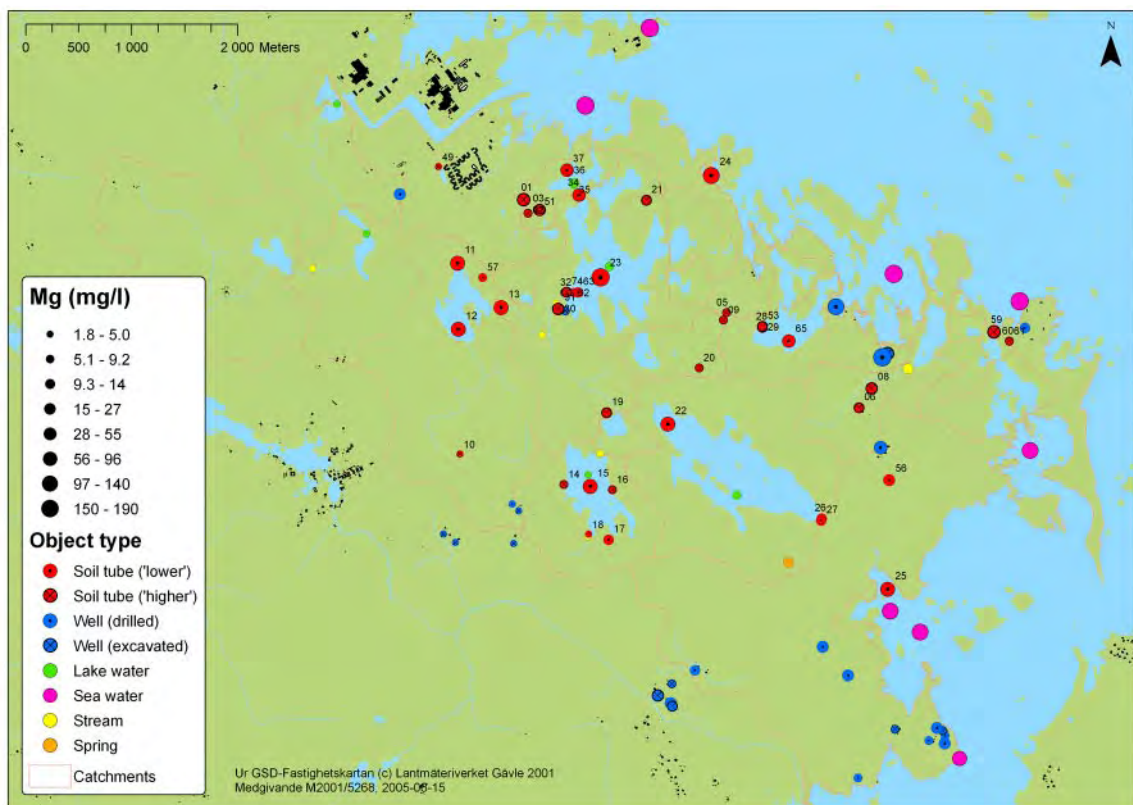


Figure 5-8. Magnesium concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The *sodium* concentrations in ‘higher’ located soil tubes in the Forsmark area are at the same level as the concentrations found in most excavated wells in Sweden. The soil tubes at ‘lower’ levels show markedly elevated sodium concentrations.

Similar to magnesium, eight soil tubes shows markedly elevated sodium concentrations with the highest concentrations found in SFM0023. However, compared to the pattern found for magnesium, the sodium concentration in the soil tube in Lake Eckarfjärden (SFM0015) is lower (Figure 5-9).

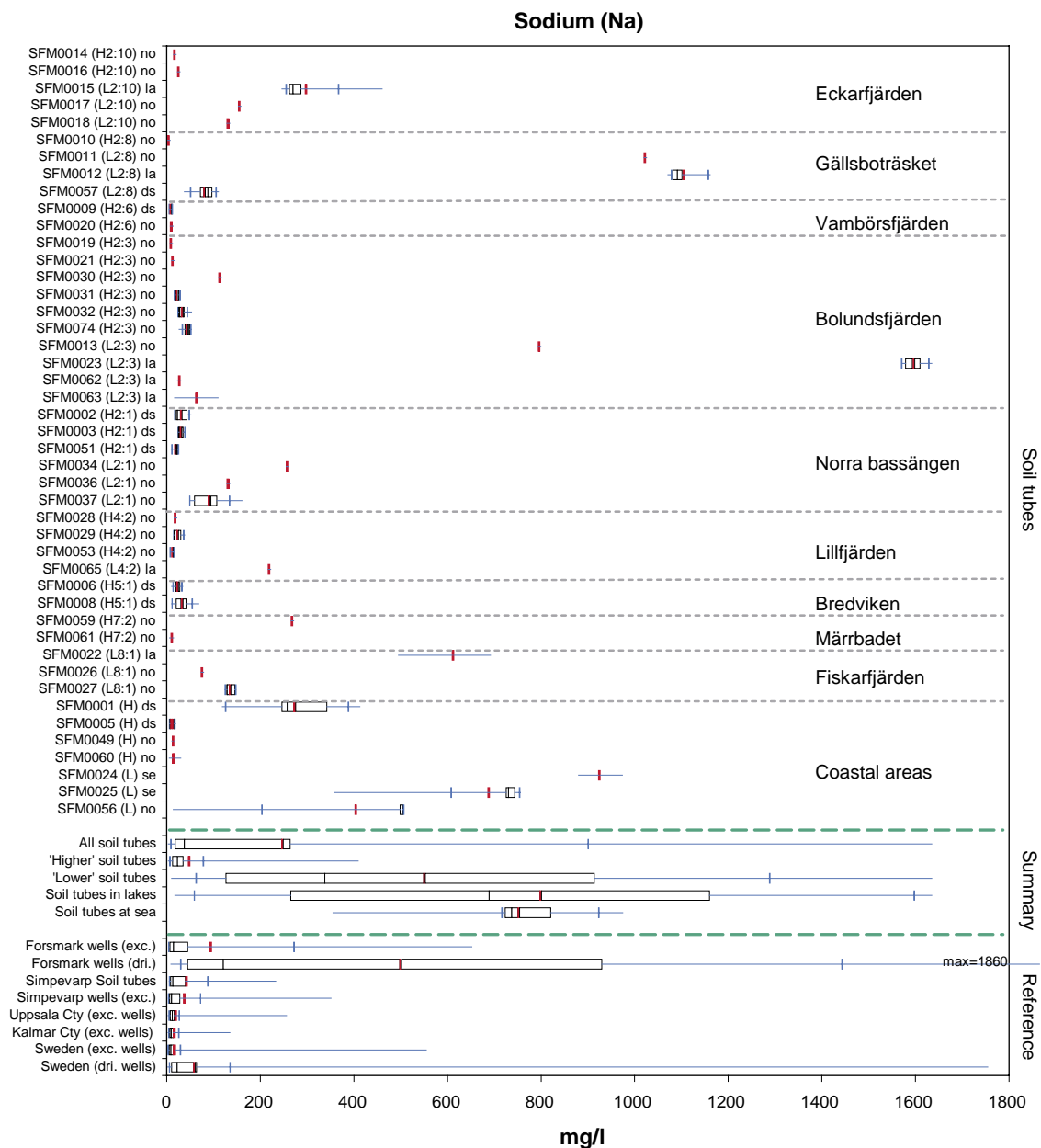


Figure 5-9. Sodium concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The lowest sodium concentrations are found at the topographical heights, showing a pattern very similar to magnesium, indicating that marine relics is the major factor behind the sodium pattern.

The sodium concentrations are generally higher in shallow groundwaters compared to both stream and lake waters and lower, or in the same magnitude as sea water (Figure 5-10). The sodium concentration in precipitation is usually around 0.5 mg/l. In streams concentrations of 12 mg/l is usually measured, compared to 3 mg/l in the rest of Sweden. The concentrations found in sea water are markedly higher, 1,400 mg/l.

The pattern for magnesium differs from sodium with respect to the ratio between the concentrations in 'lower' and 'higher' soil tubes. This ratio is 15 for sodium compared to 5 for magnesium, indicating that there are differences in the mechanisms controlling the concentrations of these elements.

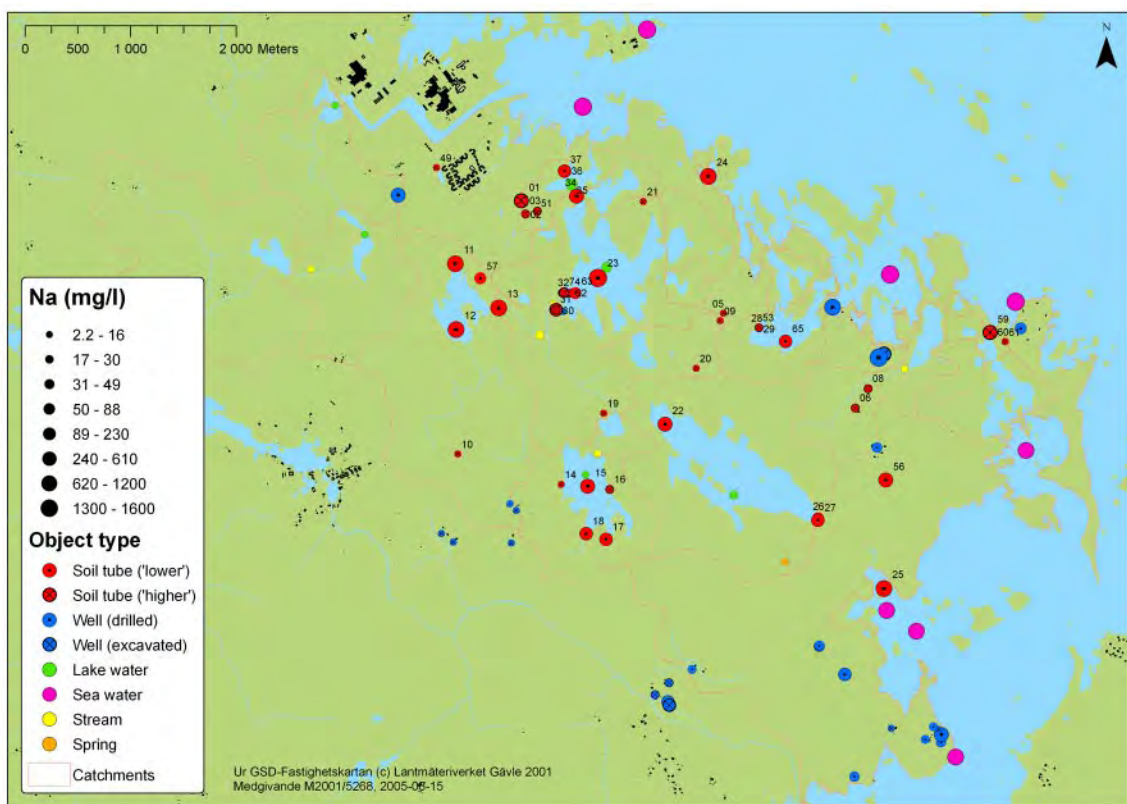


Figure 5-10. Sodium concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

Typical sodium concentrations in shallow groundwater in the Forsmark area are 20 mg/l at 'higher' levels and 200 mg/l at 'lower' levels. Concentrations in the order of 1,000 mg/l are found in some soil tubes located in the open water of lakes.

The **potassium** concentrations in 'higher' located soil tubes in the Forsmark area are elevated compared to the levels found in most excavated wells in Sweden. The soil tubes at 'lower' levels show markedly elevated potassium concentrations compared to these wells.

Potassium follows the same pattern as magnesium and sodium, where a number of soil tubes show elevated concentrations with the highest concentrations found in SFM0023. Comparing sodium and magnesium, the potassium concentrations show a pattern most similar to magnesium. (Figure 5-11).

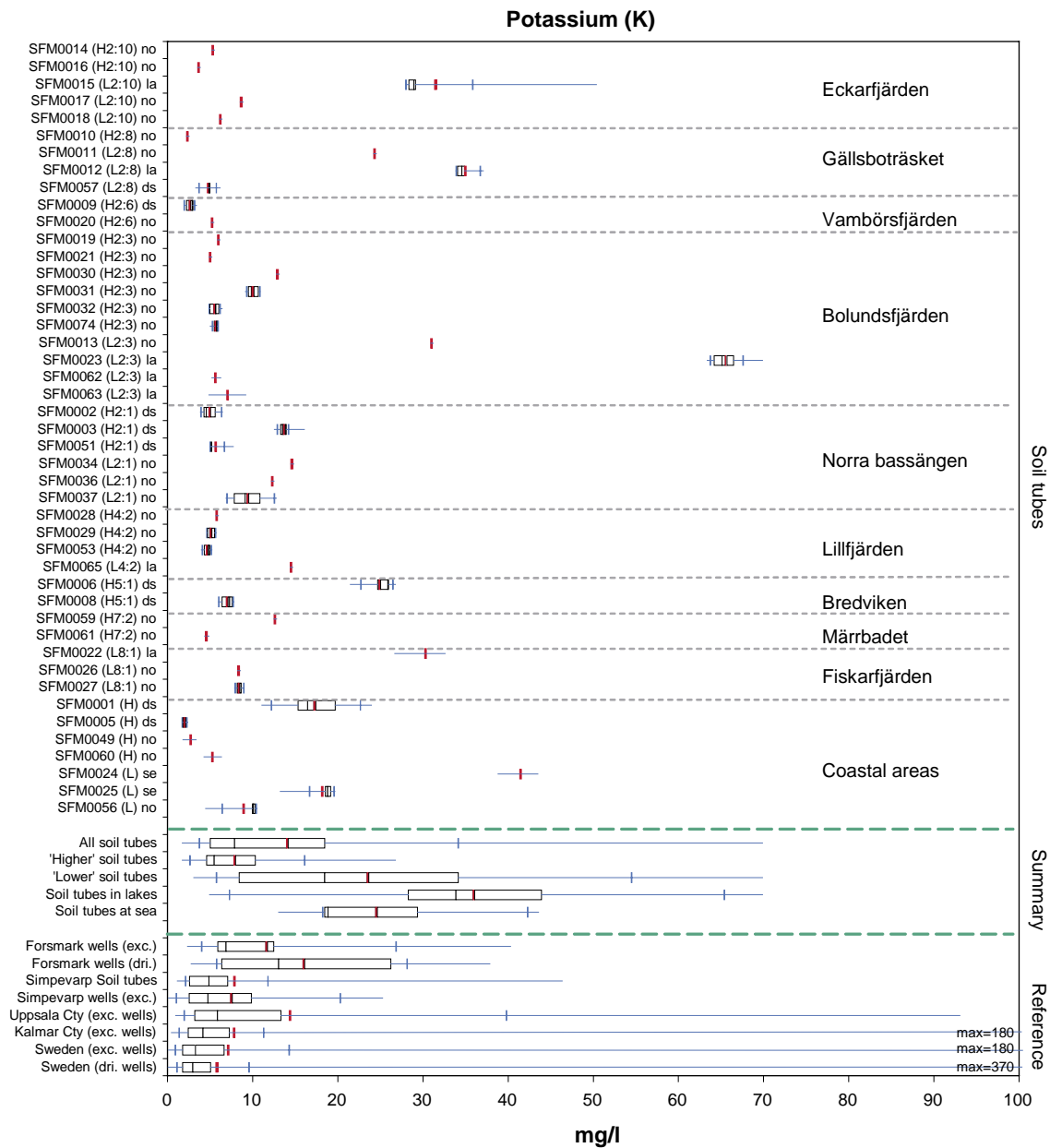


Figure 5-11. Potassium concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The lowest potassium concentrations are found at the topographical heights, similar to magnesium and potassium. The ratio between concentrations found in 'lower' soil tubes and 'higher' soil tubes is four, approximately the same as for magnesium.

The potassium concentrations are generally higher in shallow groundwaters compared to both stream and lake waters and lower, or in the same magnitude as sea water (Figure 5-12). The potassium concentration in precipitation is usually around 0.1 mg/l. In streams concentrations of 2.3 mg/l is usually measured, compared to 0.7 mg/l in the rest of Sweden. The concentrations found in sea water are markedly higher, 50 mg/l.

In the catchment of Bredviken, elevated potassium concentrations are observed both in streaming water and in soil tubes. This catchment as well as the catchment of Lake Eckarfjärden shows deviating chemistry in respect to several parameters.

Typical potassium concentrations in shallow groundwater in the Forsmark area are 5 mg/l at 'higher' levels and 20 mg/l at 'lower' levels.

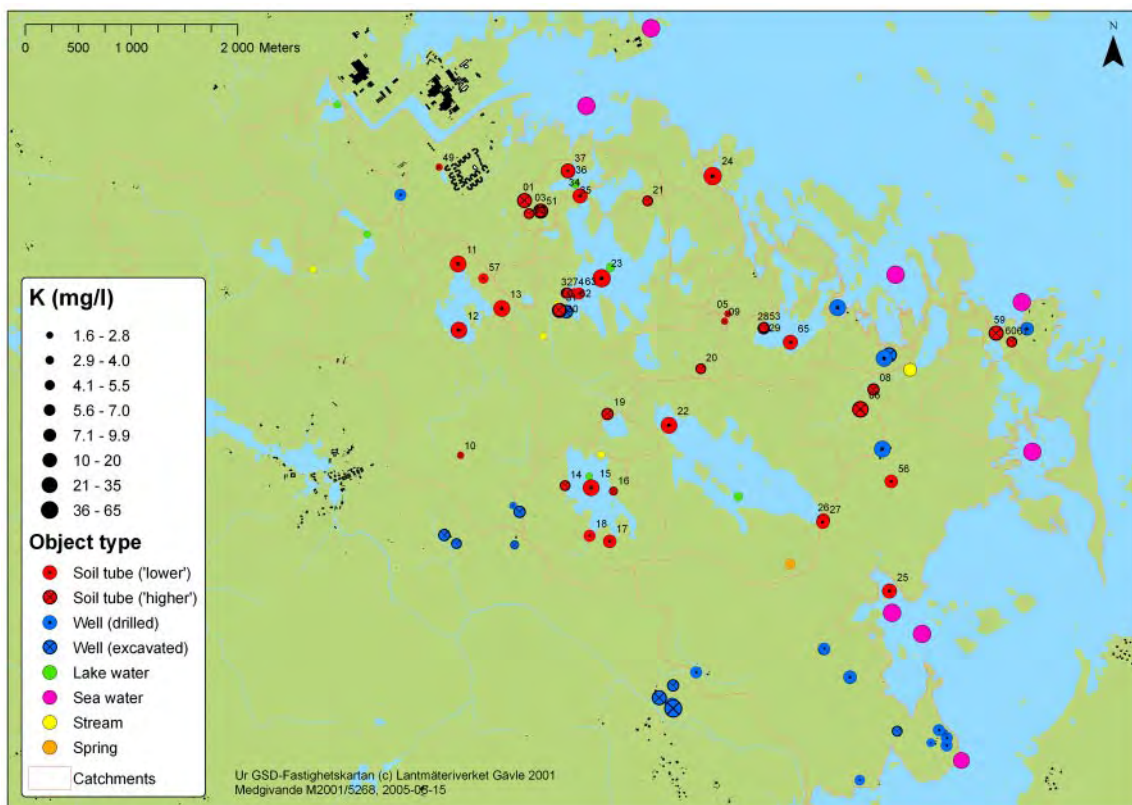


Figure 5-12. Potassium concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

5.3.2 Silicon

Silicon is measured both as total-silicon and silica-silicon. As seen in Figure 5-14 the silica values are in most cases very close to the total concentrations. Most exceptions where silica constitutes a lesser part is found for groundwater samples compared to surface waters.

The silicon concentrations range from about 1 to 10 mg/l in both shallow groundwater and surface waters. The lowest concentrations are found in the catchment of Bolundsfjärden, in SFM0023. Typical concentrations of silicon are 5 mg/l in the ground waters in the Forsmark area, about half the levels measured in the Simpevarp area. (Figure 5-13).

The silicon content in lakes and streams are 2.3 mg/l and 3.6 mg/l, approximately in level with most lakes and streams in Sweden, where 1.6 mg/l and 2.9 mg/l are measured respectively. The silicon content in the sea is lower, about 0.5 mg/l (Figure 5-15).

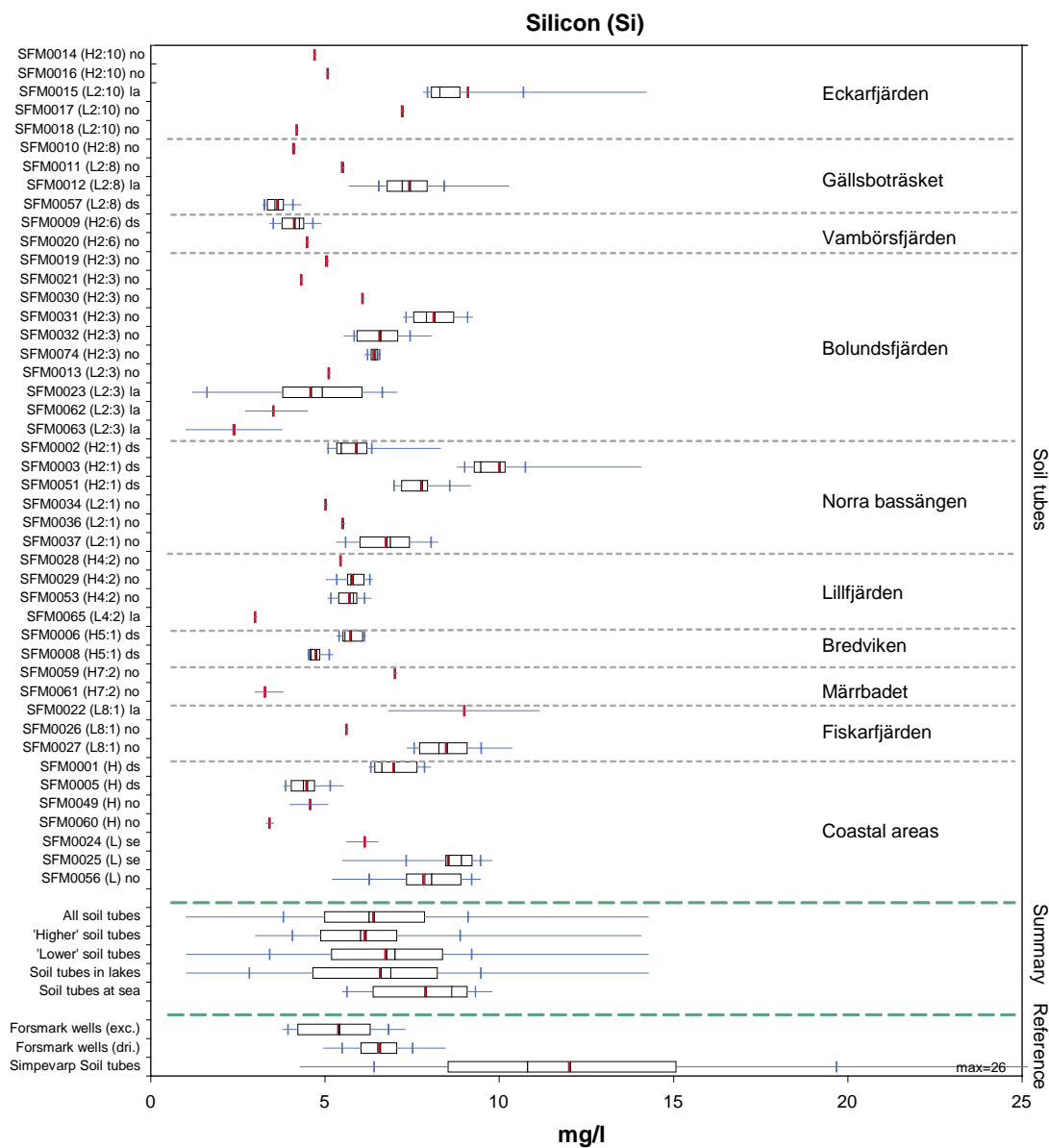


Figure 5-13. Silicon concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

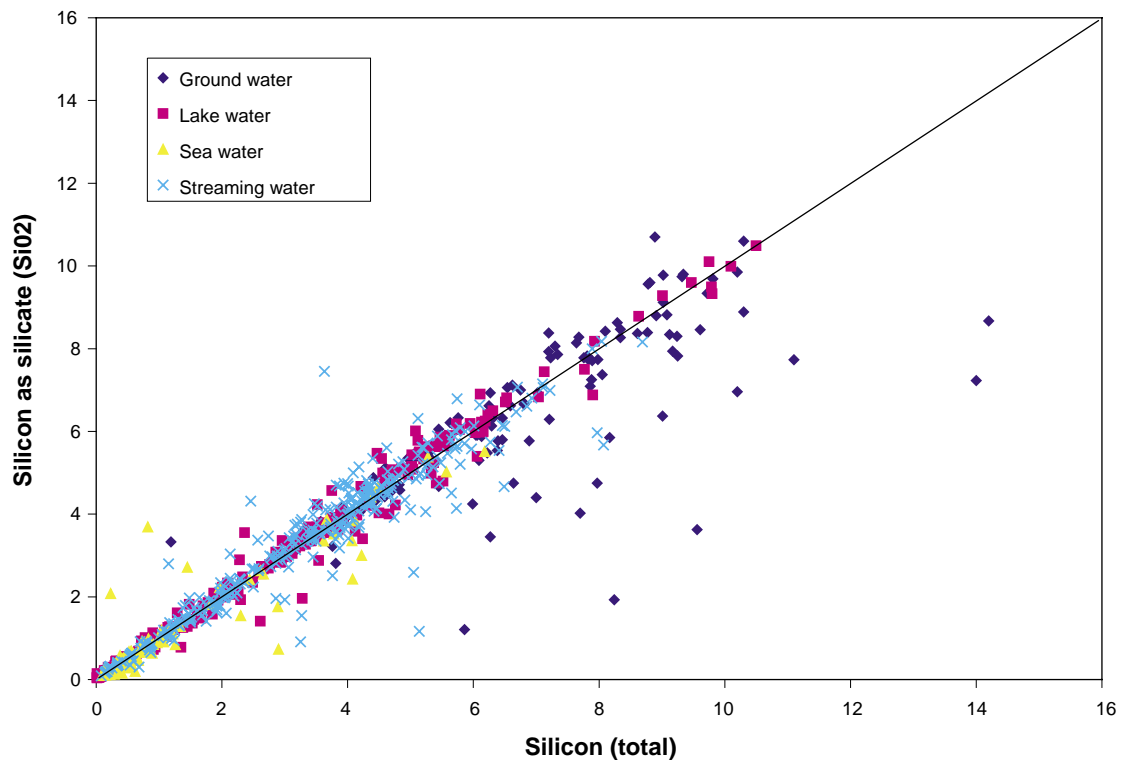


Figure 5-14. Fraction $\text{SiO}_2\text{-Si}$ versus total silicon in the Forsmark area.

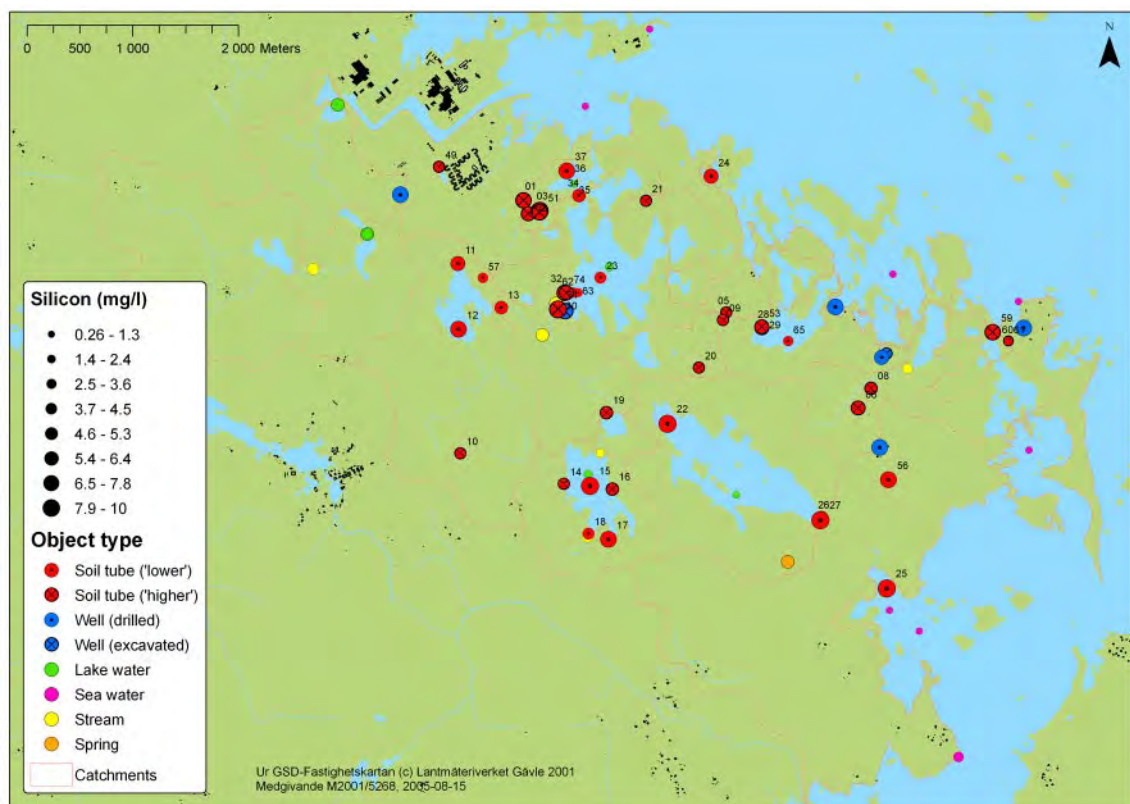


Figure 5-15. Silicon concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

5.3.3 Chloride, sulphate and bicarbonate

The *chloride* concentrations in the ‘higher’ soil tubes in the Forsmark area are only slightly increased compared to the concentrations found in most excavated wells in Sweden. The soil tubes at ‘lower’ levels show markedly elevated sodium concentrations.

Similar to sodium, seven soil tubes shows markedly elevated chloride concentrations with the highest concentrations found in SFM0023. If the sodium and chloride concentrations are compared between the two soil tubes located at sea (SFM0024 and SFM0025), the latter shows relatively higher chloride content. (Figure 5-16).

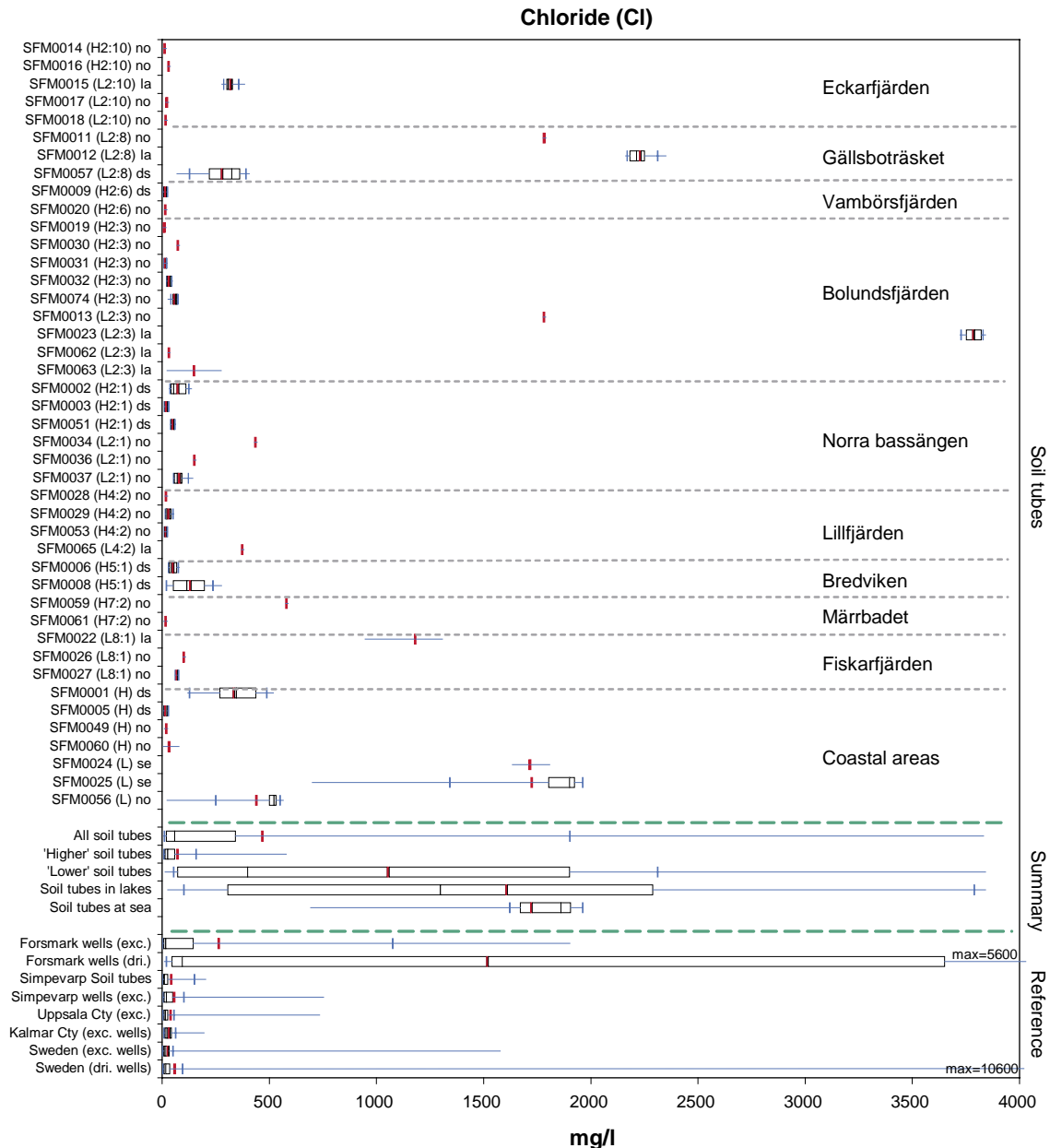


Figure 5-16. Chloride concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The lowest chloride concentrations are found in soil tubes at the topographical heights, in accordance with the other major constituents. The highest chloride concentrations are found in the soil tubes located in the catchments of Gällsboträsket and Bolundsfjärden, where the concentrations range from 2,000–4,000 mg/l.

The chloride concentrations in soil tubes at ‘lower’ levels are generally higher compared to both stream and lake waters (Figure 5-17). Soil tubes at ‘higher’ levels show concentrations at lower, or at the same level as stream and lake water. The chloride concentration in precipitation is usually around 0.7 mg/l. In the outlet from Lake Eckarfjärden chloride concentrations of 2.6 mg/l has been observed, which is in level with the rest of Sweden (2.9 mg/l). In the outlets of Gällsboträsket and Lake Bolundsfjärden distinctly higher concentrations are observed, often in the range of 30–50 mg/l. The concentrations found in sea water are markedly higher, 2,600 mg/l.

Typical chloride concentrations in shallow groundwater in the Forsmark area are 20 mg/l at ‘higher’ levels and 400 mg/l at ‘lower’ levels. In some of the soil tubes located in lakes and at sea concentrations range between 2,000–4,000 mg/l.

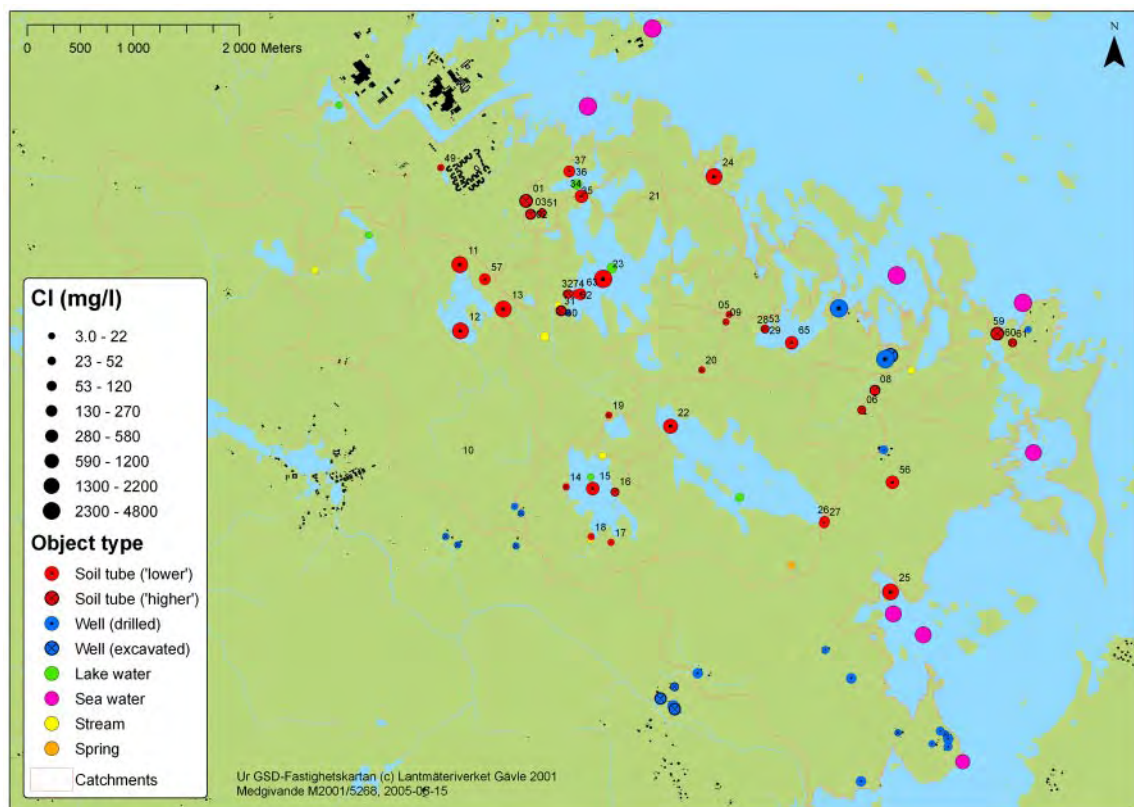


Figure 5-17. Chloride concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The *sulphate* concentrations in soil tubes of the Forsmark area are elevated 3–6 times compared to concentrations observed in most excavated wells in Sweden.

Similar to chloride, soil tubes in the catchments Gällsboträsket, Bolundsfjärden and the coastal areas, show the highest concentrations. The highest sulphate concentration is found in SFM0023 in Lake Bolundsfjärden. In a few soil tubes, (SFM0001, SFM0036, SFM0037, SFM0056, SFM0059) elevated sulphate concentrations are observed, opposite to the pattern for chloride (Figure 5-18).

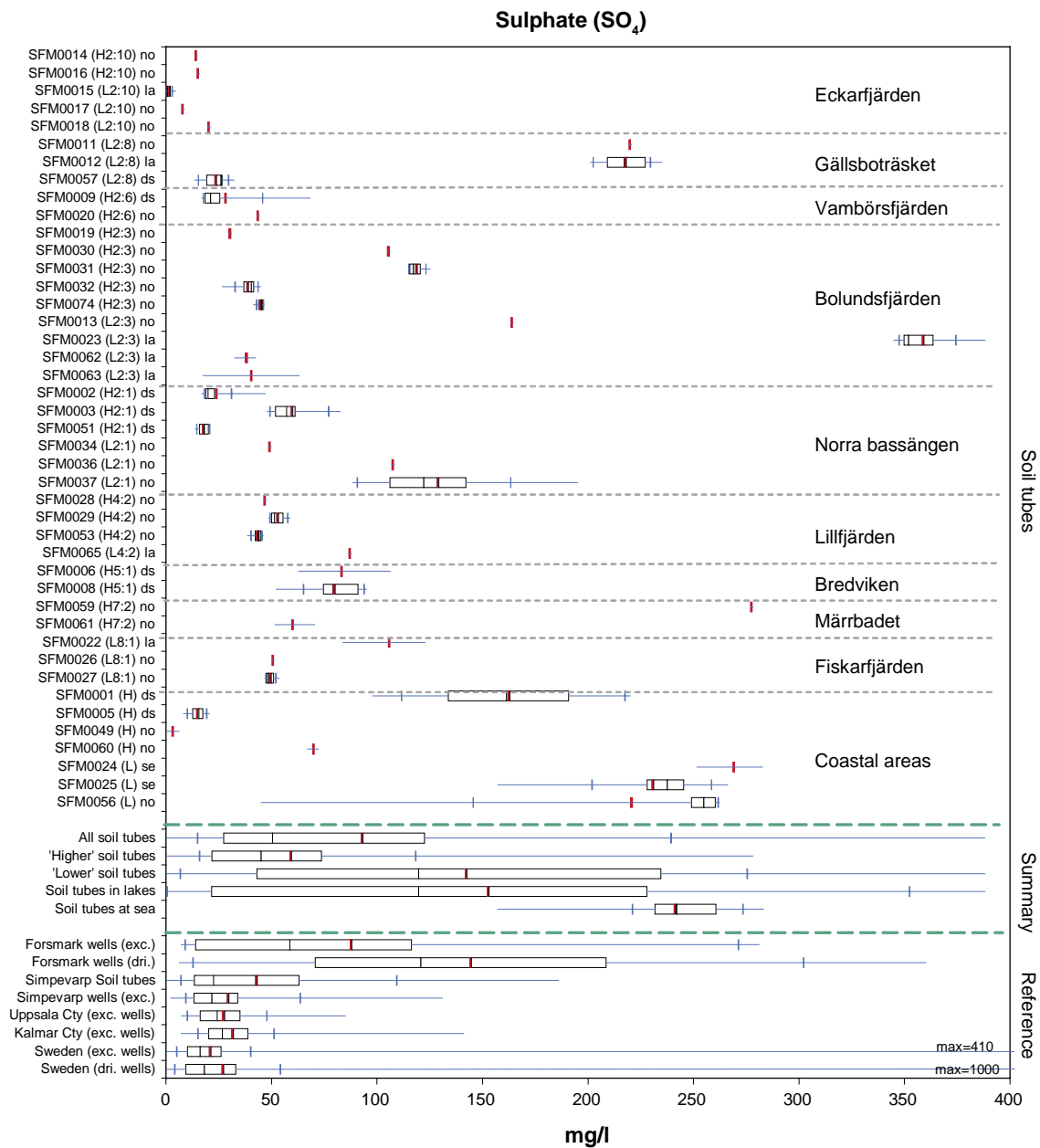


Figure 5-18. Sulphate concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The lowest sulphate concentrations are found at the topographical heights, similar to sodium. The catchment of Eckarfjärden marks out by especially low sulphate concentrations.

The sulphate concentrations are generally higher in shallow groundwaters compared to both stream and lake waters, and lower, or in the same magnitude as sea water (Figure 5-19). The sulphate concentration in precipitation is usually around 1.5 mg/l. In streams concentrations of 13 mg/l are usually measured, compared to 4 mg/l in the rest of Sweden. The concentrations found in sea water are markedly higher, 360 mg/l.

Compared to chloride, the ratio between the highest and lowest observed concentrations is considerably smaller, indicating that different groundwater forming processes are involved.

Typical sulphate concentrations in shallow groundwater in the Forsmark area are 50 mg/l at 'higher' levels and 150 mg/l at 'lower' levels.

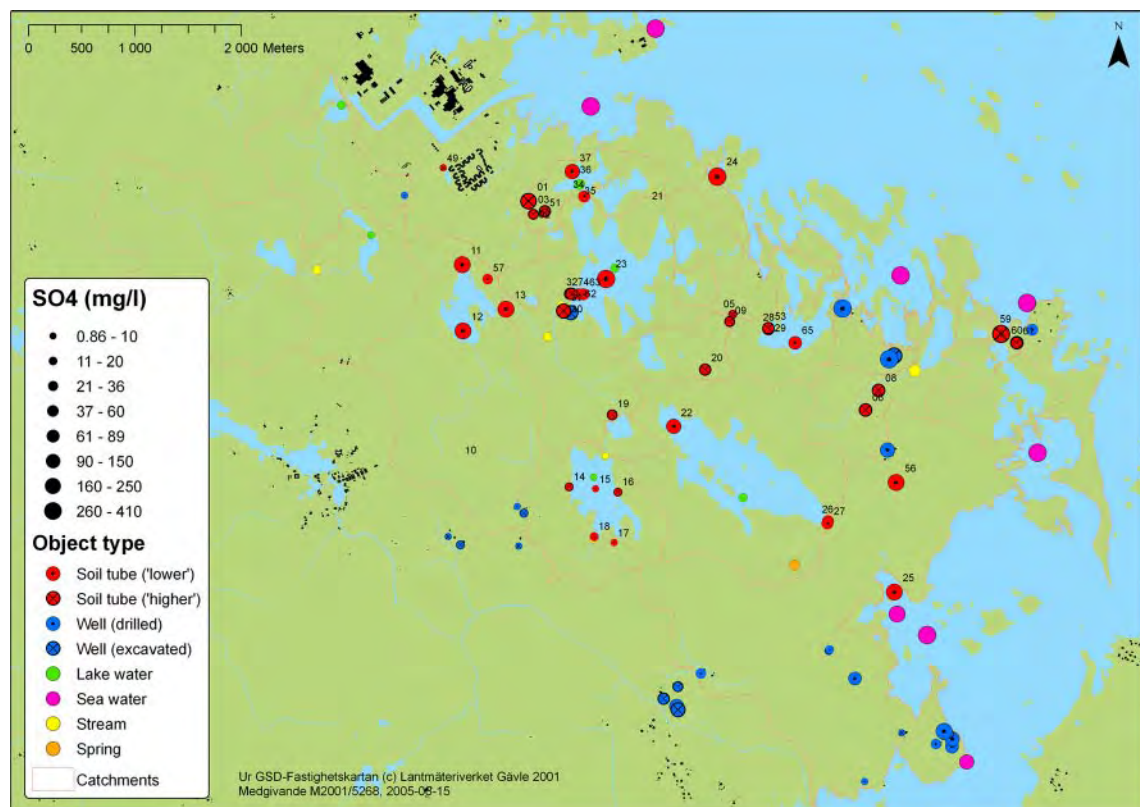


Figure 5-19. Sulphate concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The *bicarbonate* concentrations in soil tubes of the Forsmark area are elevated ten times compared to concentrations observed in most excavated wells in Sweden.

Contrary to most other major constituents, soil tubes in the Lake Eckarfjärden catchment show the highest concentrations. The lowest concentrations are observed in SFM0023 in Lake Bolundsfjärden and in the Gällsbofjärden catchment. (Figure 5-20).

The bicarbonate concentrations are generally higher in shallow groundwater than in stream, lake and sea water (Figure 5-21). The bicarbonate concentration in precipitation is usually less than 1 mg/l. In streams concentrations of 170 mg/l is usually measured, compared to 12 mg/l in the rest of Sweden. The concentrations found in sea water are slightly lower, 80 mg/l.

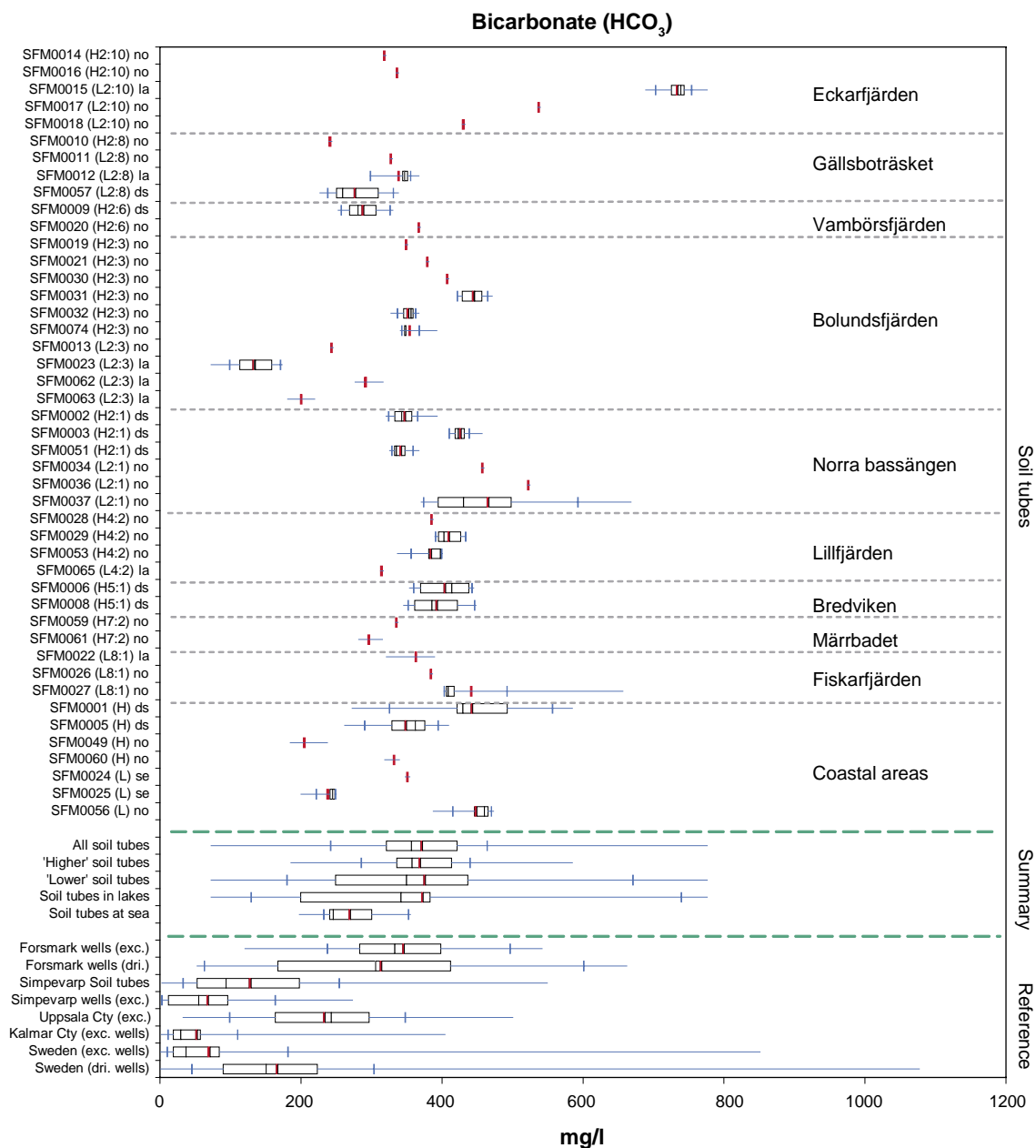


Figure 5-20. Bicarbonate concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The variation within the Forsmark area is considerably lower for bicarbonate compared to most other major constituents. The differences between soil tubes in recharge and discharge areas are probably small. Except for the especially high concentrations measured in the soil tube in Lake Eckarfjärden, and the especially low concentrations observed in the soil tube in Lake Bolundsfjärden, the bicarbonate concentrations are rather uniformly distributed throughout the whole area.

The explanation for the elevated bicarbonate concentrations in the shallow groundwaters is found in the calcite rich quaternary deposits that cover the Forsmark area (see calcium), where calcite dissolution processes occur. Very high contents of calcite, ranging from 18 to 24% CaCO_3 , have been measured in till /SKB 2005c/.

Typical bicarbonate concentration in shallow groundwater in the Forsmark area is 350 mg/l.

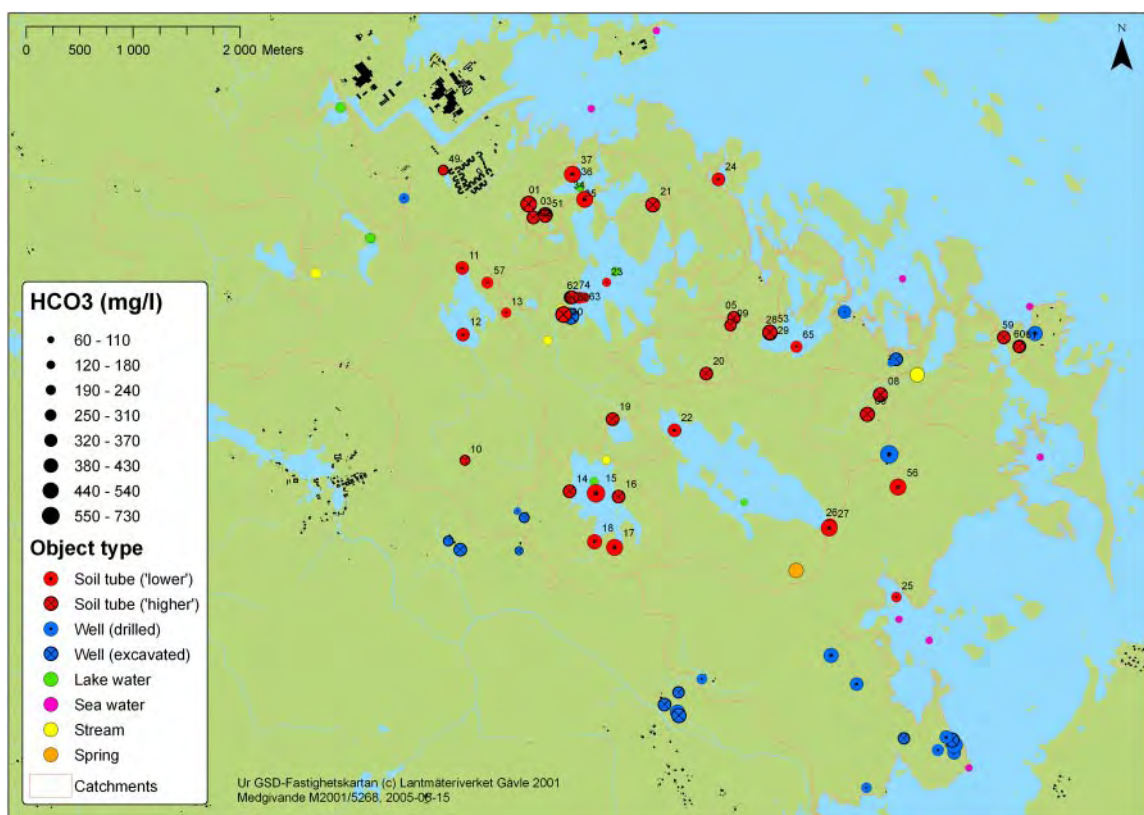


Figure 5-21. Bicarbonate concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

5.3.4 Fluoride, bromide, iodide

The *fluoride* concentrations in soil tubes of the Forsmark area are approximately twice the concentrations observed in most excavated wells in Sweden. 0.5 mg/l compared to 0.2 mg/l.

The fluoride concentrations are rather uniformly distributed within the area and the spatial pattern deviate from the pattern observed for most the major constituents. The highest fluoride concentrations are found in the catchments of Eckarfjärden, Bolundsfjärden and Fiskarfjärden (Figure 5-22).

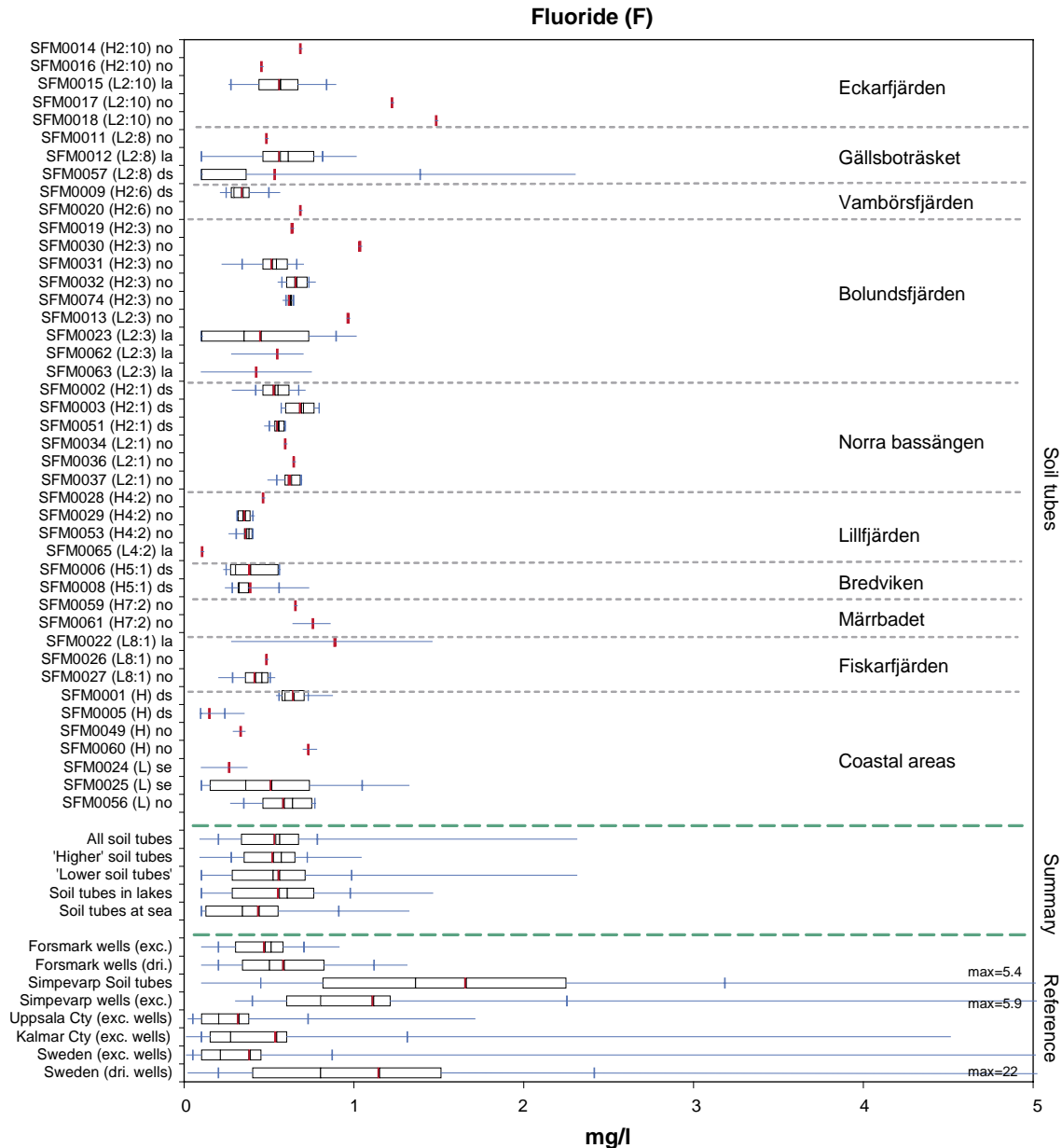


Figure 5-22. Fluoride concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The fluoride concentrations are generally higher in shallow groundwater than in stream, lake and sea water (Figure 5-23). The fluoride concentration in the single observation of precipitation is less than 0.2 mg/l. In streams concentrations of 0.2 mg/l are usually measured, compared to 0.1 mg/l in the rest of Sweden. The concentrations measured in sea water are usually lower than 0.2 mg/l.

The variation within the Forsmark area is considerably lower for fluoride compared to most major constituents. There are probably small differences in fluoride concentration between soil tubes in recharge and discharge areas.

Typical fluoride concentration in shallow groundwater in the Forsmark area is 0.5 mg/l.

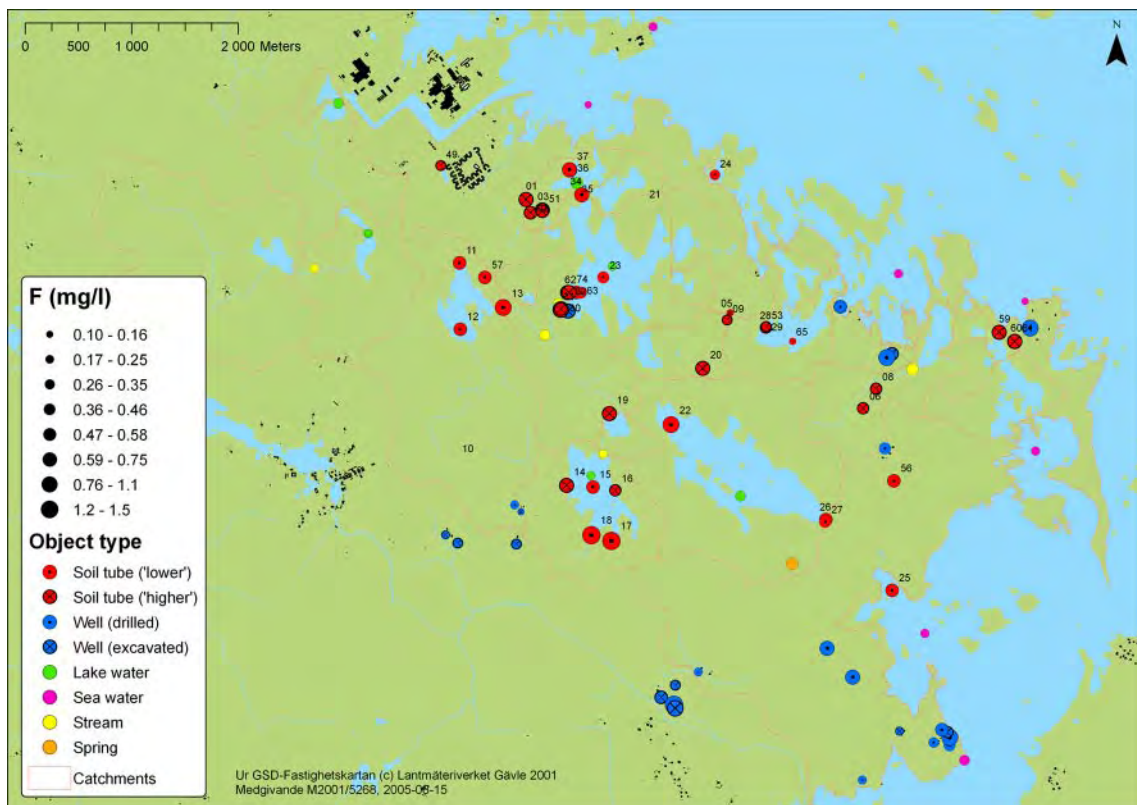


Figure 5-23. Fluoride concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

A large portion of the **bromide** concentrations in soil tubes, as well as surface waters, falls below the reporting limit of 0.2 mg/l. This fact makes the comparisons for bromide less reliable compared to most other ions.

The spatial pattern for bromide is much the same as the pattern seen for chloride, with the highest concentrations found in SFM001, SFM0012, SFM0013, SFM0023, SFM0024 and SFM0025 (Figure 5-24). However, the soil tubes with elevated bromide concentrations shows significant larger variation compared to chloride.

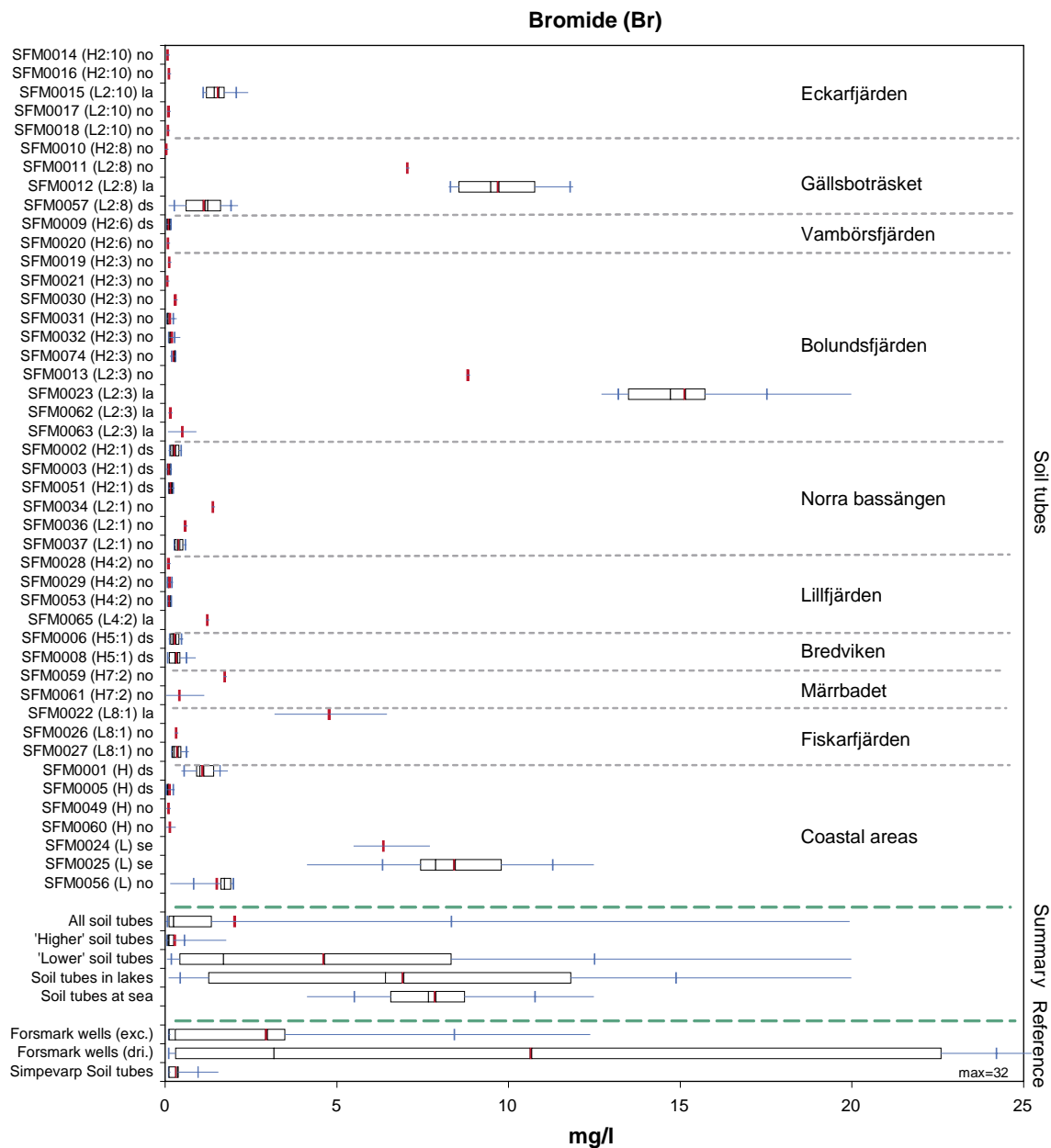


Figure 5-24. Bromide concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

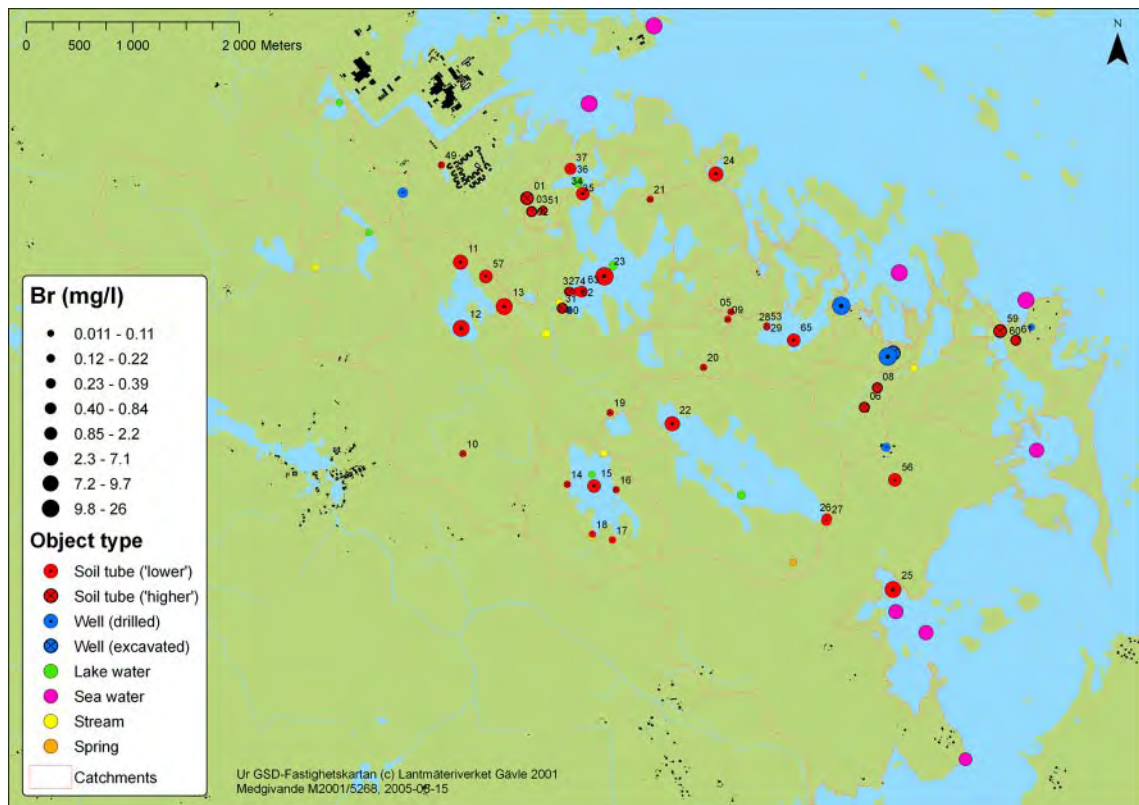


Figure 5-25. Bromide concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The bromide concentrations in soil tubes at ‘lower’ levels are generally higher than in both stream and lake waters (Figure 5-25). Soil tubes at ‘higher’ levels show lower or similar concentrations as stream and lake water. The bromide concentration in precipitation is usually less than 0.005 mg/l. In most surface waters in the Forsmark area, bromide concentrations less than 0.2 mg/l have been observed. The concentrations found in sea water are markedly higher, about 8 mg/l.

In a sample of 242 Swedish lakes the median bromide concentration was 0.007 mg/l /Naturvårdsverket 1999a/.

The major source for bromide in the shallow groundwater is probably marine relicts, analogue to chloride.

Typical bromide concentrations in shallow groundwater in the Forsmark area are usually less than 0.2 mg/l at ‘higher’ levels and about 2 mg/l at ‘lower’ levels. Concentrations in the order of 10 mg/l are found in some soil tubes located in the open water of lakes.

The *iodide* concentrations in the soil tubes of the Forsmark area range from 0.001 to 0.1 mg/l. The iodide concentrations are with exception of the high levels observed in SFM0015, SFM0012, SFM0023, SFM0022 rather uniformly distributed throughout the Forsmark area (Figure 5-26).

The spatial pattern of iodide is with a few notable exceptions similar to chloride: the soil tube in Lake Eckarfjärden (SFM0015) shows the highest concentrations observed and the soil tubes located at sea show only a minor elevation compared to most other soil tubes.

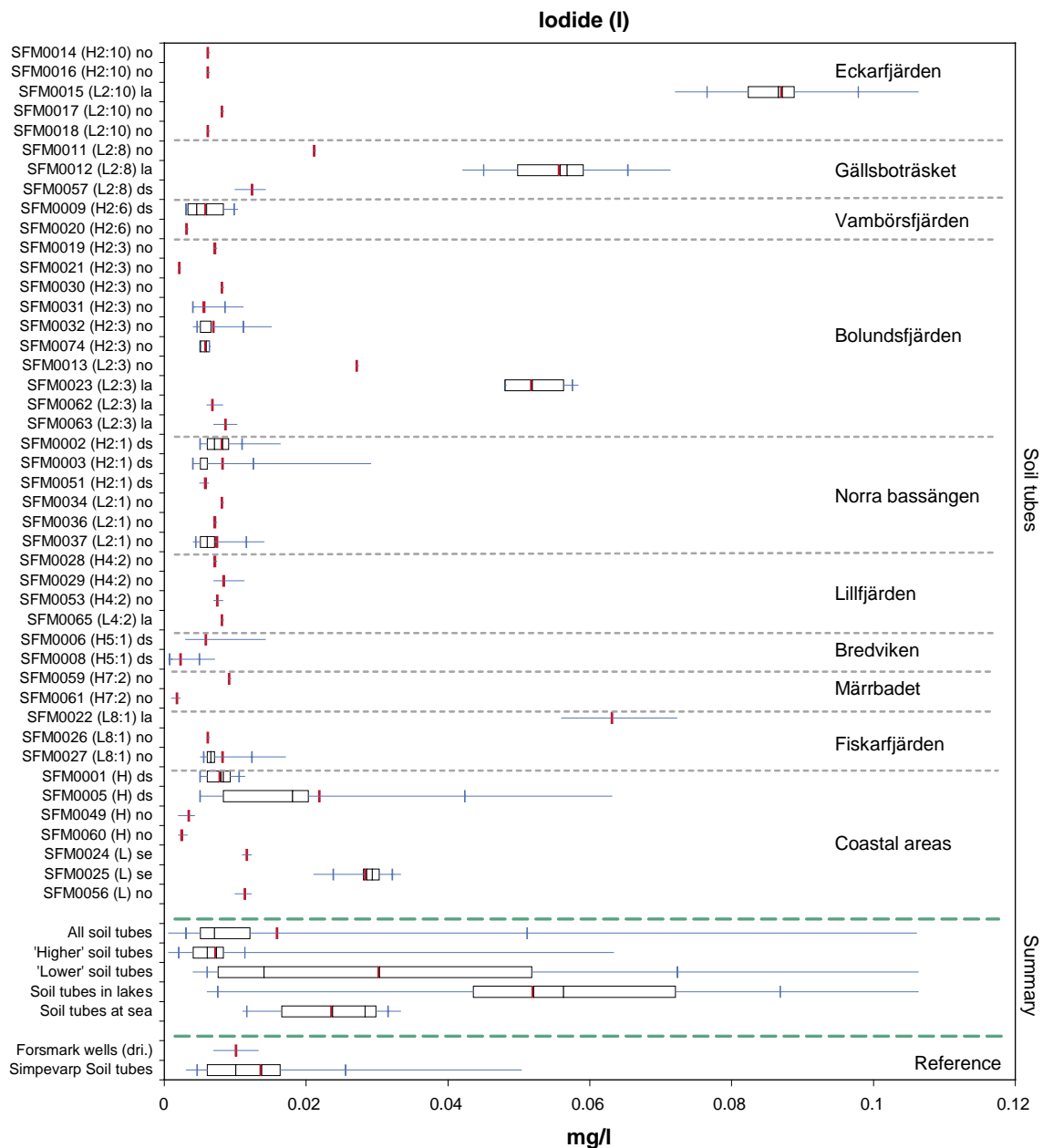


Figure 5-26. Iodide concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

In the catchment of Bredviken especially low iodide concentrations are found in both soil tubes and streaming water. This pattern is opposite for potassium, where the concentrations in both soil tubes and streams are elevated in this catchment.

The iodide concentrations in the Forsmark area are generally higher in shallow groundwaters compared to both stream, lake and sea water (Figure 5-27). The iodide concentration in the single observation of precipitation is less than 0.001 mg/l. In streams concentrations of 0.005 mg/l is usually measured. The concentrations measured in sea water are usually 0.009 mg/l.

In a sample of 242 Swedish lakes the iodide concentrations were ranging from 0.0002 to 0.0017 mg/l (10- and 90-percentile) /Naturvårdsverket 1999a/.

The typical iodide concentration in shallow groundwater in the Forsmark area is 0.01 mg/l. Soil tubes located in till below the lake sediments usually show concentrations almost an order of magnitude higher.

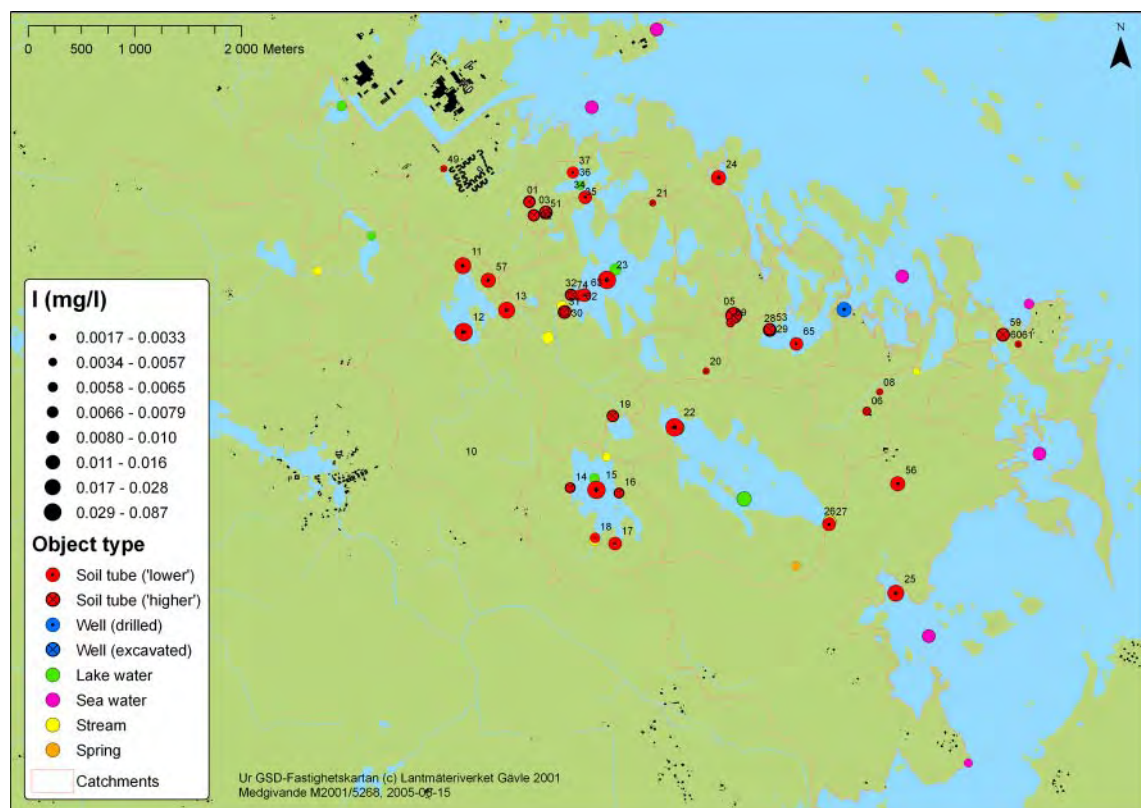


Figure 5-27. Iodide concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

5.3.5 Lithium, strontium, barium

Lithium shows a pattern most similar to potassium. A number of soil tubes show elevated concentrations with the highest concentrations found in SFM0023 (Figure 5-28).

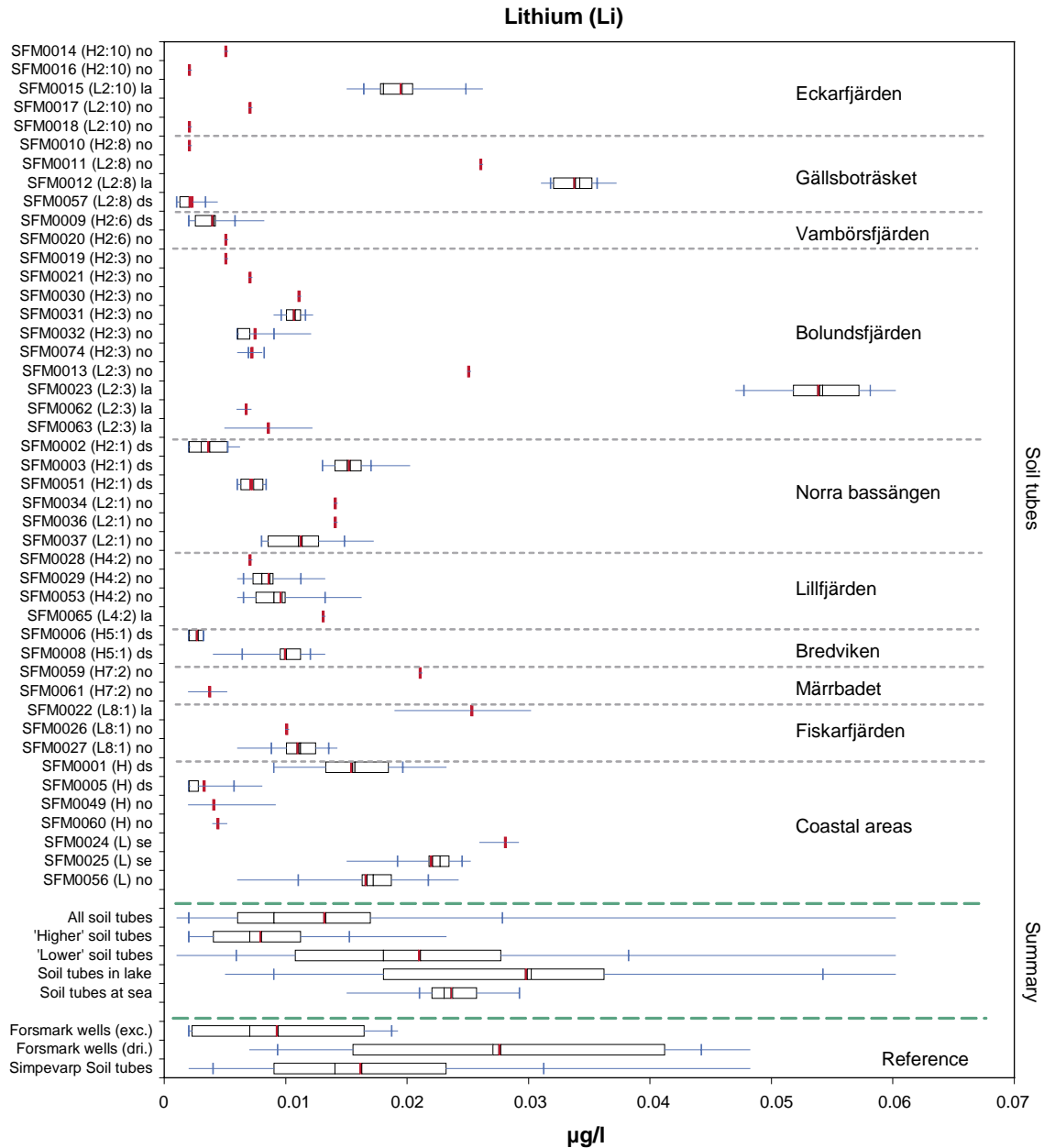


Figure 5-28. Lithium concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The lithium concentrations in the soil tubes at 'higher' levels are generally in the same level as both stream and lake water. Soil tubes at 'lower' levels often show higher concentrations compared to surface waters (Figure 5-29). The lithium content in precipitation, measured at Gårdsjön in western Sweden is 0.00005 mg/l /Eriksson 2001/. In streams of the Forsmark area concentrations usually less than 0.004 mg/l are measured. The concentrations found in sea water are markedly higher, 0.023 mg/l.

In a sample of 242 Swedish lakes the lithium concentrations were ranging from 0.0001 to 0.0014 mg/l (10- and 90-percentile) /Naturvårdsverket 1999a/.

The lowest lithium concentrations are found at the topographical heights, similar to magnesium and potassium, indicating that marine relicts probably are an important source for lithium.

Typical lithium concentrations in shallow groundwater in the Forsmark area are 0.01 mg/l at 'higher' levels and 0.02 mg/l at 'lower' levels.

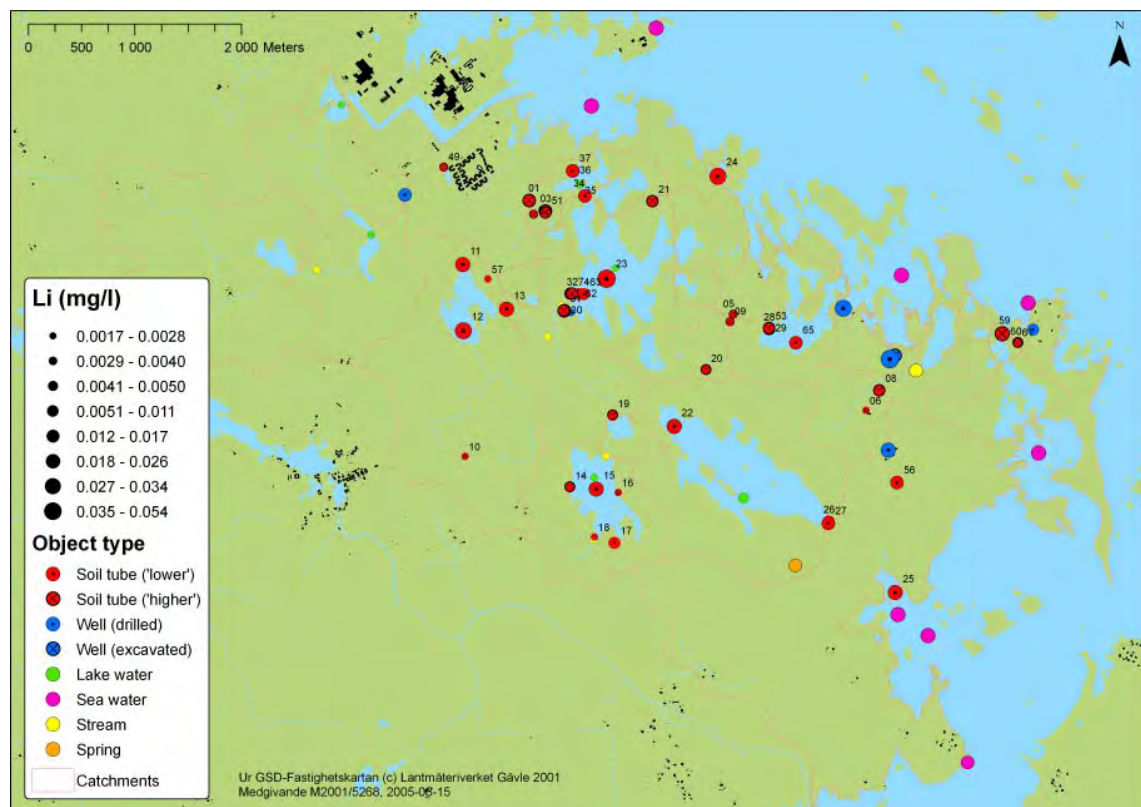


Figure 5-29. Lithium concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The **strontium** concentrations show a pattern most similar to calcium. A number of soil tubes show elevated concentrations and the highest concentrations are found in SFM0025. Compared to calcium, SFM0025 has relatively higher strontium content (Figure 5-30).

The strontium concentrations in the soil tubes are generally higher than in both stream and lake water (Figure 5-31). The strontium content in precipitation, measured at Gårdsjön in western Sweden is 0.0007 mg/l /Eriksson 2001/. In streams and lakes, strontium concentrations of about 0.08 mg/l are usually observed. The concentrations found in sea water are markedly higher, about 1 mg/l.

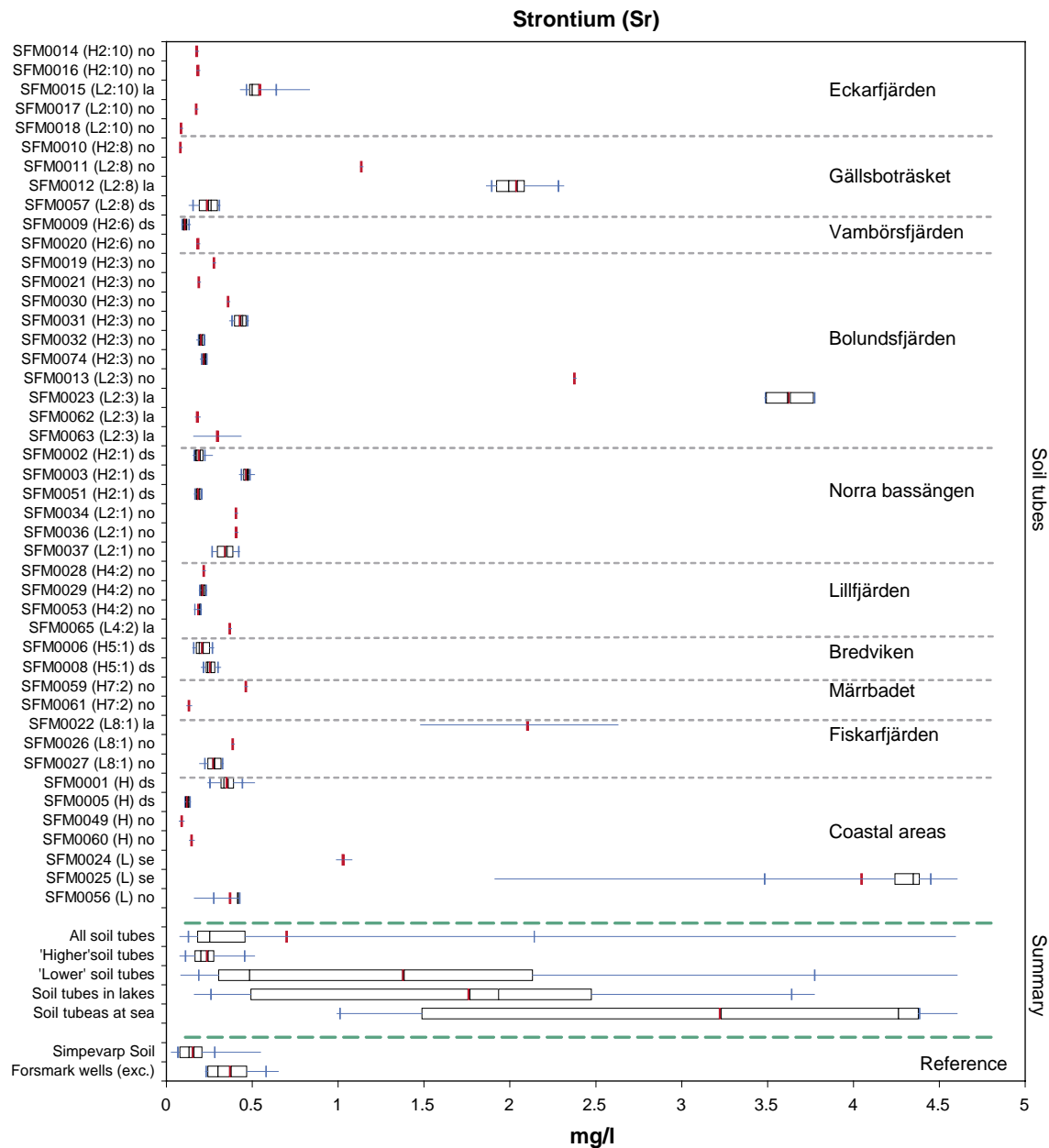


Figure 5-30. Strontium concentrations in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

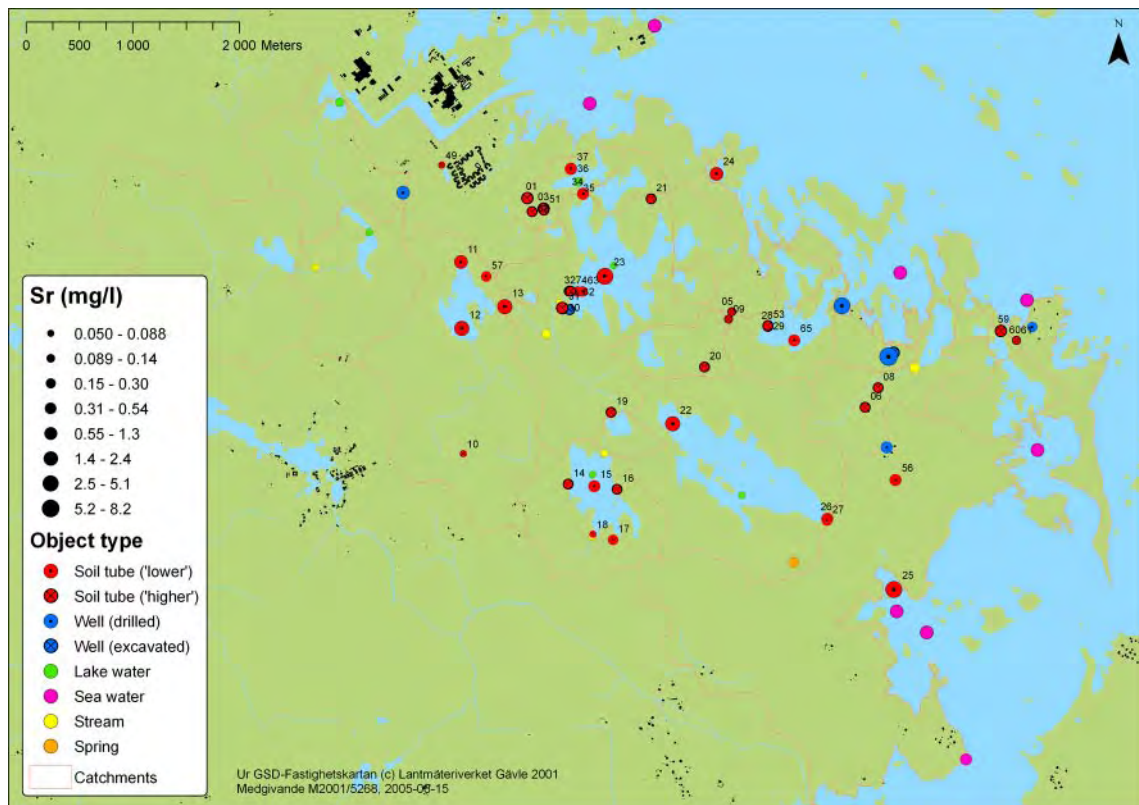


Figure 5-31. Strontium concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

In a sample of 242 Swedish lakes the strontium concentrations were ranging from 0.004 to 0.041 mg/l (10- and 90-percentile) /Naturvårdsverket 1999a/. This indicates that the strontium concentrations in the Forsmark area are elevated compared to most lakes in Sweden.

Typical strontium concentration in shallow groundwaters in the Forsmark area is 0.25 mg/l. In groundwater in till below the lake sediments, strontium concentrations are usually an order of magnitude higher.

Barium shows a pattern almost contradictory to strontium and calcium. In soil tubes showing especially high strontium content, low barium values are observed.

Elevated barium concentrations are found for SFM0015, SFM0006 and SFM0057, of which the latter two are located at drill sites. There is no clear difference between 'higher' and 'lower' located soil tubes (Figure 5-32).

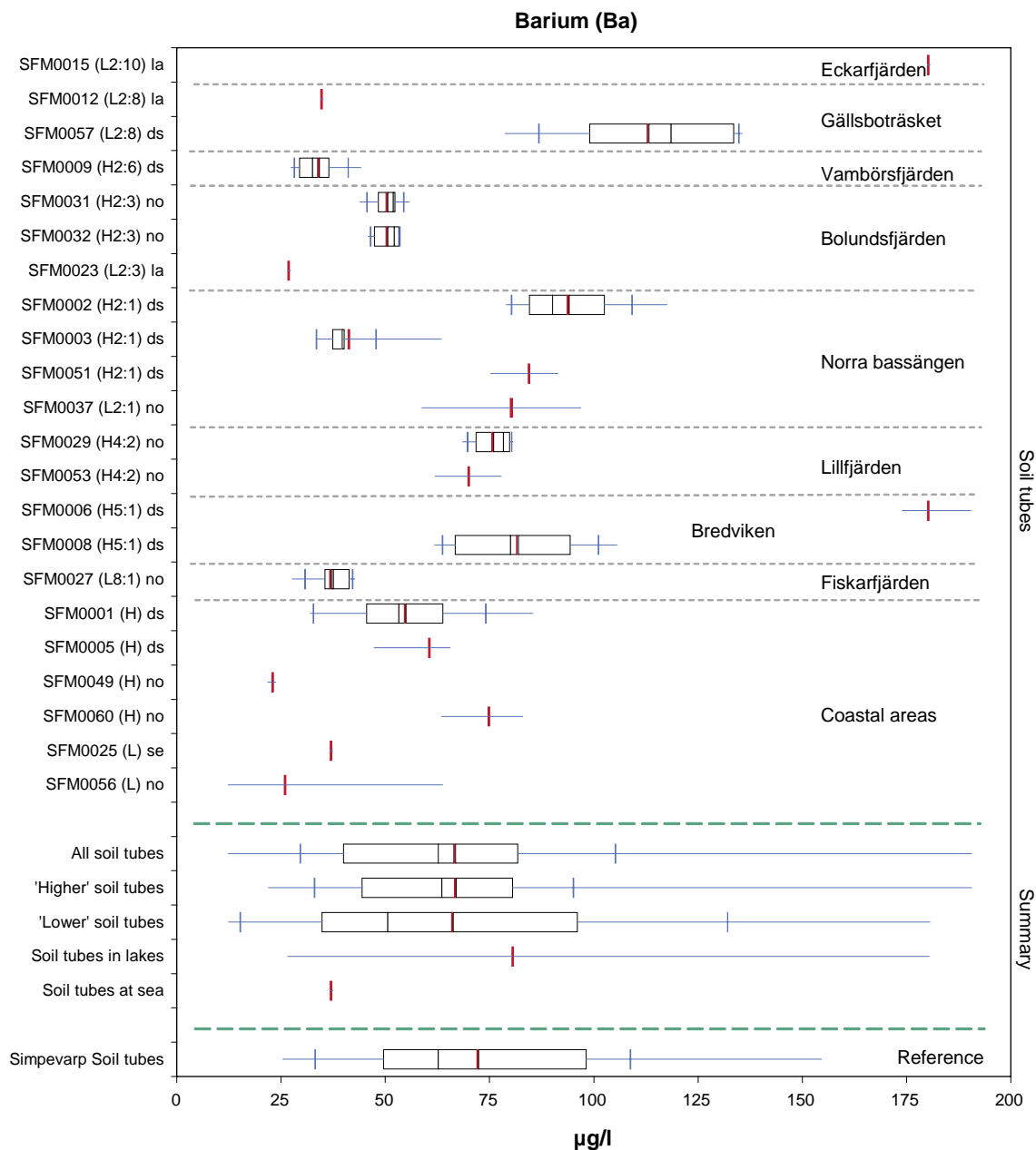


Figure 5-32. Barium concentrations in the Forsmark area. Note that barium concentrations are expressed in $\mu\text{g/l}$ in contrast to the preceding ions. Explanations are given in Section 4.3.

Except for the soil tubes mentioned above, the barium concentrations in the soil tubes are usually slightly higher compared to lake, stream and sea water (Figure 5-33). The barium content in precipitation, measured at Gårdsjön in western Sweden is 0.0008 mg/l /Eriksson 2001/. Median barium concentrations in stream, lake and sea water are 0.02 mg/l in the Forsmark area.

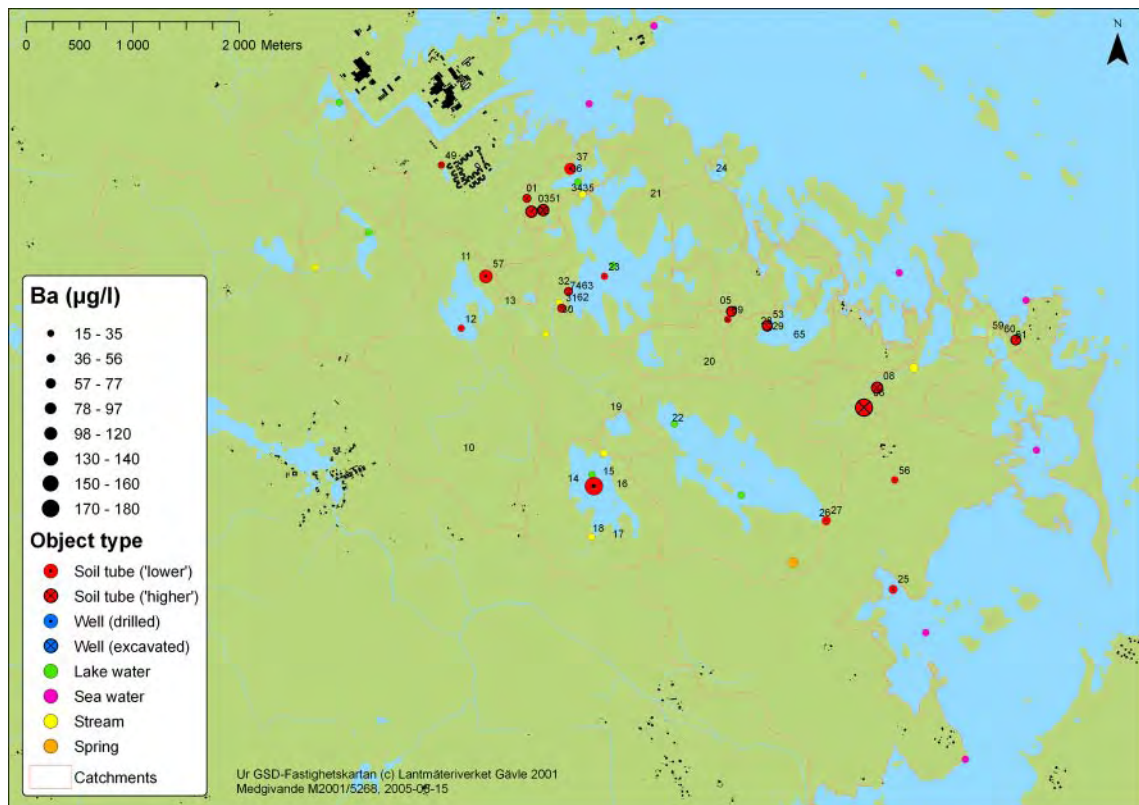


Figure 5-33. Barium concentrations in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

In a sample of 242 Swedish lakes the barium concentrations were ranging from 0.002 to 0.020 mg/l (10- and 90-percentile) /Naturvårdsverket 1999a/, indicating that the barium concentrations are elevated in the Forsmark area compared to most lakes in Sweden.

Typical barium concentration in shallow groundwater in the Forsmark area is 0.06 mg/l.

5.3.6 Summary – major and minor constituents

Typical values of the major and minor constituents are summarised in Table 5-3. Separate values are presented for soil tubes at ‘higher’ and ‘lower’ locations in the landscape, as there usually are great differences between the groundwater chemical compositions in these two categories. Typical values of the soil tubes located in till below the sediments of lakes and shallow bays are shown in brackets under ‘lower’ due to the differing character of these tubes. The elements are sorted in descending order after the typical concentrations of the higher located soil tubes.

Table 5-3. Typical concentrations (mg/l) of major and minor constituents in shallow groundwater from topographically higher and lower situated soil tubes in the Forsmark area. Typical values of groundwater in till below sediments of lakes and shallow bays are shown in brackets under 'Lower'.

| Element | Abbreviation | 'Higher' located soil tubes | 'Lower' located soil tubes |
|-------------------------|------------------|-----------------------------|----------------------------|
| Bicarbonate | HCO ₃ | 350 | 350 |
| Calcium | Ca | 100 | 100 (500) |
| Electrical conductivity | Cond | 70 | 200 |
| Sulphate | SO ₄ | 50 | 150 |
| Sodium | Na | 20 | 200 (1,000) |
| Chloride | Cl | 20 | 400 (2,000) |
| Total organic carbon | TOC | 13 | 5 |
| Magnesium | Mg | 10 | 50 |
| pH | pH | 7.2 | 7.2 |
| Potassium | K | 5 | 20 |
| Silicon | Si | 5 | 5 |
| Total nitrogen | Tot-N | 1 | 1 |
| Iron | Fe | 1 | 1 |
| Fluoride | F | 0.5 | 0.5 |
| Strontium | Sr | 0.25 | 0.25 (2.5) |
| Manganese | Mn | 0.2 | 0.2 (1) |
| Bromide | Br | < 0.2 | 2 (10) |
| Barium | Ba | 0.06 | 0.06 |
| Total phosphorus | Tot-P | 0.02 | 0.02 |
| Iodide | I | 0.01 | 0.01 (0.06) |
| Lithium | Li | 0.01 | 0.02 |

5.4 Carbon, nitrogen and phosphorus

Species of carbon, nitrogen and phosphorus are measured in a minor selection of the soil tubes compared to e.g. major constituents. In Table 5-4 the median values are summarised for all species and in Figures 5-34 to 5-37 distributions are shown for total contents of carbon, nitrogen and phosphorus. In Appendix 2, detailed statistics are available for all carbon, nitrogen and phosphorus species.

Table 5-4. Summary of carbon, nitrogen, and phosphorus in shallow groundwater in the Forsmark area. Median values in mg/l.

| Idcode | Catchment | | TOC | DOC | POC | DIC | tot-N | NO ₃ -N | NH ₄ -N | PON | tot-P | PO ₄ -P | POP |
|-------------------------------|-----------------|--------|-----|-----|------|-----|-------|--------------------|--------------------|--------|--------|--------------------|--------|
| SFM0001 | Coastal area | H | 25 | 24 | 0.55 | 79 | 1.2 | 0.00070 | 0.21 | 0.0086 | 0.042 | 0.025 | 0.019 |
| SFM0002 | Norra bassängen | 2:1 H | 15 | 15 | 0.54 | 56 | 0.50 | 0.0014 | 0.080 | 0.040 | 0.020 | 0.0044 | 0.049 |
| SFM0003 | Norra bassängen | 2:1 H | 11 | 11 | 0.70 | 72 | 0.56 | 0.0036 | 0.21 | 0.0064 | 0.045 | 0.018 | 0.042 |
| SFM0005 | Coastal area | H | 11 | 11 | 0.65 | 59 | 0.52 | 0.065 | 0.0043 | 0.034 | 0.010 | 0.0046 | 0.020 |
| SFM0006 | Bredviken | 5:1 H | 14 | 14 | 0.16 | 64 | 1.5 | 0.62 | 0.0053 | 0.037 | 0.017 | 0.0043 | 0.0094 |
| SFM0008 | Bredviken | 5:1 H | 6.3 | 6.5 | | 58 | 0.29 | 0.0020 | 0.038 | | 0.0090 | 0.0025 | |
| SFM0009 | Vambörsfjärden | 2:6 H | 16 | 15 | | 52 | 0.69 | 0.025 | 0.0082 | | 0.013 | 0.0018 | |
| SFM0012 | Gällsboträsket | 2:8 L | 3.3 | 3.4 | | 42 | 3.6 | 0.00030 | 3.4 | | 0.013 | 0.00090 | |
| SFM0015 | Eckarfjärden | 2:10 L | 8.6 | 8.7 | | 140 | 8.4 | 0.00020 | 7.5 | | 0.59 | 0.032 | |
| SFM0022 | Fiskarfjärden | 8:1 L | 4.9 | 5.4 | | 60 | 2.3 | 0.0013 | 2.1 | | 0.0076 | 0.00090 | |
| SFM0023 | Bolundsfjärden | 2:3 L | 2.9 | 3.0 | | 15 | 2.9 | 0.00065 | 2.7 | | 0.0051 | 0.0015 | |
| SFM0024 | Coastal area | L | 7.8 | 9.0 | | 46 | 1.00 | 0.00030 | 0.34 | | 0.043 | 0.014 | |
| SFM0025 | Coastal area | L | 2.1 | 2.4 | | 30 | 1.3 | 0.00040 | 1.2 | | 0.014 | 0.0020 | |
| SFM0027 | Fiskarfjärden | 8:1 L | 5.6 | 5.7 | | 68 | 0.81 | 0.011 | 0.48 | | 0.068 | 0.041 | |
| SFM0029 | Lillfjärden | 4:2 H | 7.8 | 7.8 | | 73 | 0.32 | 0.00090 | 0.070 | | 0.019 | 0.0088 | |
| SFM0031 | Bolundsfjärden | 2:3 H | 7.7 | 7.8 | | 76 | 0.37 | 0.0045 | 0.082 | | 0.0045 | 0.00070 | |
| SFM0032 | Bolundsfjärden | 2:3 H | 17 | 17 | | 64 | 0.64 | 0.0022 | 0.075 | | 0.013 | 0.0075 | |
| SFM0037 | Norra bassängen | 2:1 L | 21 | 21 | | 75 | 0.84 | 0.00075 | 0.019 | | 0.034 | 0.0041 | |
| SFM0049 | Coastal area | H | 18 | 18 | | 39 | 0.71 | 0.00020 | 0.10 | | 0.013 | 0.0086 | |
| SFM0057 | Gällsboträsket | 2:8 L | 13 | 13 | | 43 | 0.51 | 0.0017 | 0.021 | | 0.0078 | 0.0042 | |
| SFM0060 | Coastal area | H | 6.1 | 6.2 | | 60 | 0.32 | 0.096 | 0.00050 | | 0.0034 | 0.0017 | |
| Soil tubes at 'Higher' levels | | H | 13 | 13 | 0.55 | 63 | 0.56 | 0.0035 | 0.074 | 0.032 | 0.015 | 0.0055 | 0.031 |
| Soil tubes at 'Lower' levels | | L | 5.5 | 5.7 | | 55 | 1.4 | 0.00060 | 1.3 | | 0.016 | 0.0027 | |
| All soil tubes | | | 10 | 11 | 0.55 | 62 | 0.72 | 0.0016 | 0.092 | 0.032 | 0.015 | 0.0050 | 0.031 |

There are only minor discrepancies between the *total* (TOC) and *dissolved* (DOC) fractions of *organic carbon*, indicating that most of the carbon occurs as dissolved species. This finding is supported by the fact that the fractions of particulate organic carbon (POC) are generally small in the few observations that are available. In some soil tubes are the median values of DOC slightly higher than the median values of TOC. This discrepancy is probably mainly caused by analytical uncertainties. Most of the *dissolved inorganic carbon* consists of bicarbonate. As bicarbonate contains approximately 20% carbon, the typical bicarbonate concentrations of 350 mg/l correspond to about 70 mg/l dissolved inorganic carbon.

In soil tubes at 'lower' levels the major part of the *total nitrogen* usually occurs as ammonium. In contrast, most of the soil tubes at 'higher' levels occur as dissolved organic nitrogen. In SFM0006, which is an exception from this general pattern, nitrate constitutes a significant part of the total nitrogen.

Most of the phosphorus occurs as particulate species. In general, only a minor fraction of the total phosphorus consists of phosphate. There is a high variability in the measurements of POP indicating that the measurements of the particulate organic fraction are either rather uncertain or severely fluctuating.

The concentrations of **total organic carbon** range from about 2 to 40 mg/l in shallow groundwater. The lowest concentrations are found in soil tubes at 'lower' levels, e.g. SFM0012, SFM0023, SFM0025 that are located in lakes or at sea. The highest concentrations are observed in SFM0001 at drill site DS1 and in SFM0037 nearby (Figure 5-34 and 5-35). In surface waters of streams and lakes in the Forsmark area, median TOC concentrations are 17 mg/l.

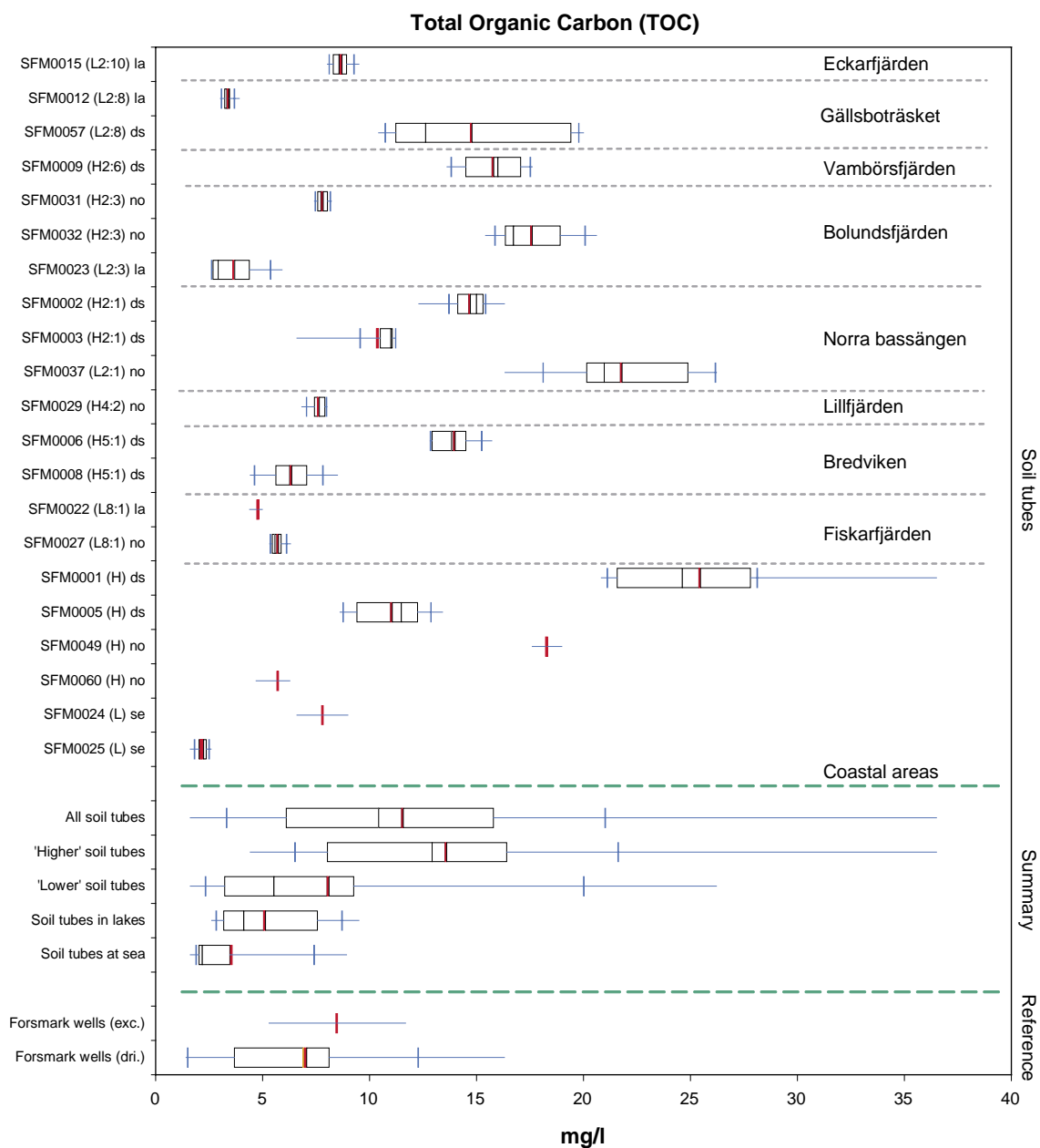


Figure 5-34. Total organic carbon in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

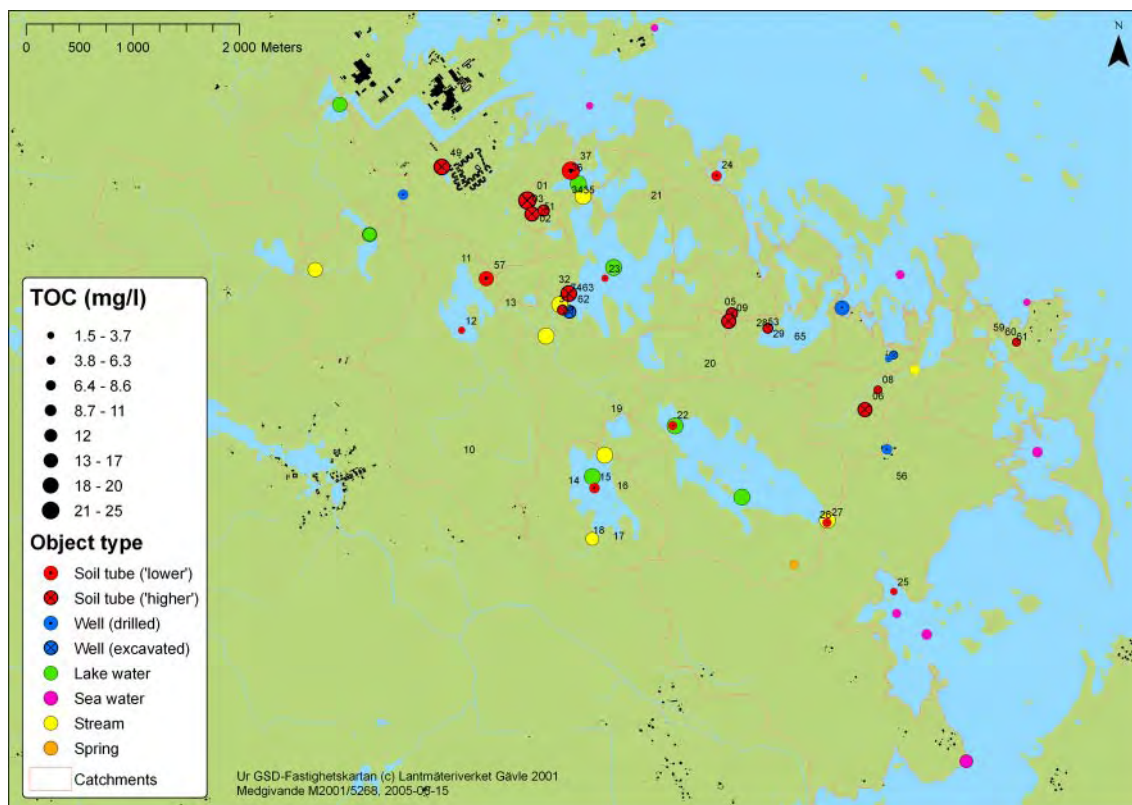


Figure 5-35. Concentrations of total organic carbon in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

Typical TOC concentrations in shallow groundwater in the Forsmark area are 13 mg/l at ‘higher’ levels and 5 mg/l at ‘lower’ levels. DOC constitutes a major part of TOC in both cases.

The concentrations of **total nitrogen** range from about 0.3 to 9 mg/l in shallow groundwater. The highest concentrations are found in soil tubes at ‘lower’ levels, for example SFM0015, located in Lake Eckarfjärden. Soil tubes at ‘higher’ levels usually show lower concentrations. In streaming waters of the Forsmark area, median total nitrogen concentrations are 1 mg/l (Figures 5-36 and 5-37).

Total phosphorus display higher variability compared to total nitrogen by occurring at concentrations ranging from 0.003 to 0.8 mg/l. The spatial pattern for **total phosphorus** also differs from the pattern of nitrogen as well as the difference between ‘higher’ and ‘lower’ located soil tubes that are less accentuated for total phosphorus compared to total nitrogen. The soil tube in Lake Eckarfjärden (SFM0015) marks out, similar to nitrogen, by showing markedly elevated concentrations. The soil tube SFM0003 at drill site one shows very high variability in the particulate fraction, between different measurements, probably indicating disturbances of some kind (Figures 5-36 and 5-37).

Typical concentrations in shallow groundwater in the Forsmark area are 1 mg/l for total nitrogen and 0.02 mg/l for total phosphorus.

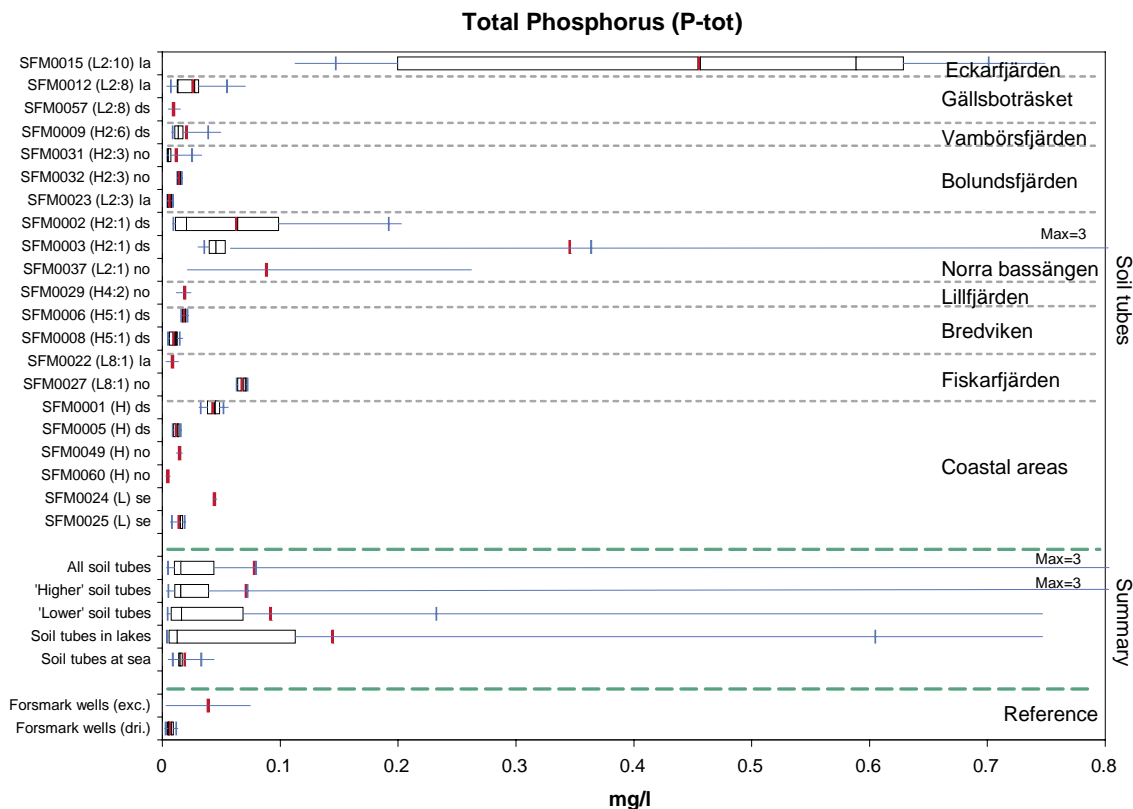
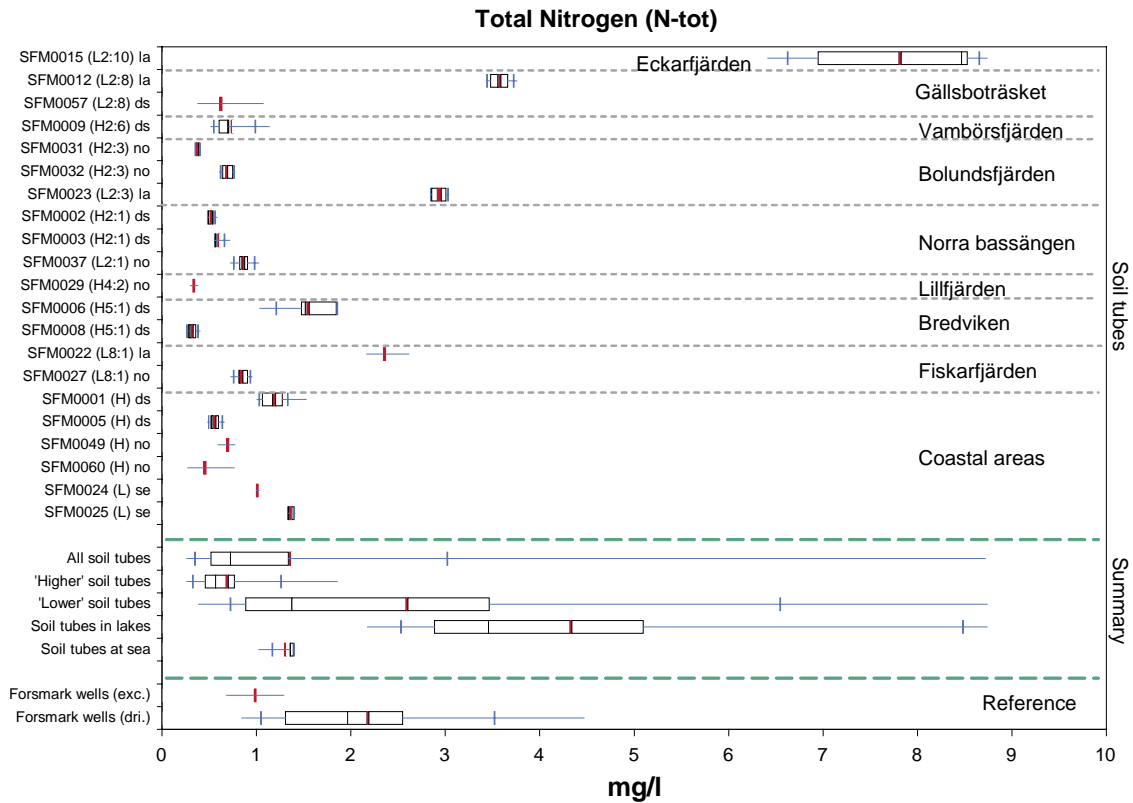


Figure 5-36. Concentrations of total nitrogen (upper) and total phosphorus (lower) in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

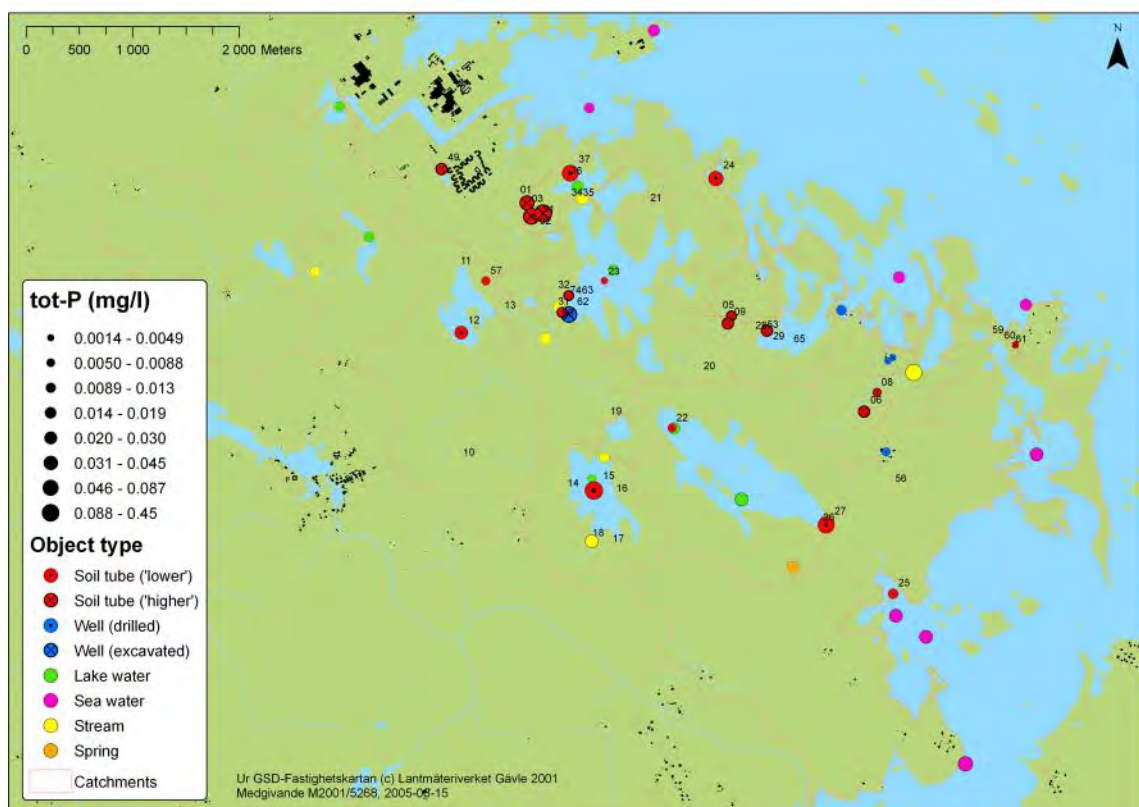
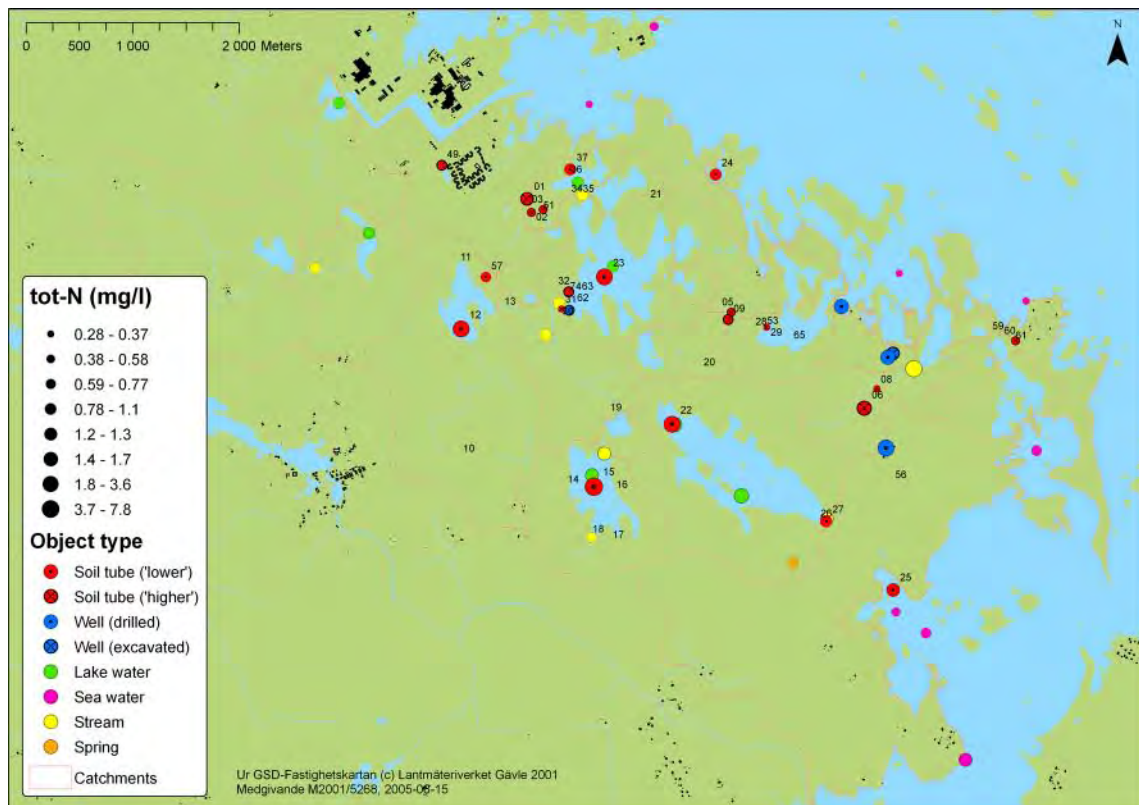


Figure 5-37. Concentrations of total nitrogen (upper) and total phosphorus (lower) in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

5.4.1 Summary – carbon, nitrogen and phosphorus

Typical concentrations of carbon, nitrogen and phosphorus are summarised in Table 5-5. The values of the particulate species are based on a limited amount of data.

Table 5-5. Typical concentrations of carbon, nitrogen and phosphorus (mg/l) in shallow groundwater from topographically higher and lower situated soil tubes in the Forsmark area.

| Element | Abbreviation | 'Higher' located soil tubes | 'Lower' located soil tubes |
|------------------------------|--------------------|-----------------------------|----------------------------|
| Total organic carbon | TOC | 13 | 5 |
| Dissolved organic carbon | DOC | 13 | 5 |
| Particulate organic carbon | POC | 0.5 | – |
| Dissolved inorganic carbon | DIC | 60 | 60 |
| Total nitrogen | Tot-N | 1 | 1 |
| Nitrate nitrogen | NO ₃ -N | 0.002 | 0.002 |
| Ammonium nitrogen | NH ₄ -N | 0.1 | 1 |
| Particulate organic nitrogen | PON | 0.03 | – |
| Total phosphorus | Tot-P | 0.02 | 0.02 |
| Phosphate phosphorus | PO ₄ -P | 0.005 | 0.005 |

5.5 Iron, manganese and redox potential

In this section some parameters important for the determination of the redox state is summarised. No calculations based on redox pairs are performed, but a simplified classification based on iron, manganese and sulphate content is presented.

5.5.1 Redox potential – overview

In Table 5-6 a selection of parameters important for evaluating the redox potential are summarised. The coarse classification of redox potential, shown in the rightmost column, is based on the total contents of iron, manganese and sulphate. The higher redox class (1–4), the lower is the redox potential. The classification scheme used is found in the Swedish Environmental Quality Criteria for groundwater /Naturvårdsverket 1999b/.

In soil tubes classed as low redox potential (note – high EQC redox class), hydrogen sulphide concentrations are usually elevated and the fraction of Fe²⁺ of total iron is usually substantial. On the contrary, soil tubes classed as high redox potential (i.e. class 1 and 2) usually show a fraction of Fe²⁺ lower than 50% of total iron.

The overall picture is that the redox classification according to the EQC gives a preliminary indication of the redox potential in the soil tubes. These findings also agree with the results of in situ sonde measurements described in /Nilsson 2005/.

Table 5-6. Median values of mg/l in the soil tubes in the Forsmark area. Redox potential class according to the Swedish EQC of groundwater. Class 1 = high redox potential. Class 4 = very low redox potential.

| Idcode | Catchment | | Iron tot-Fe | Iron Fe ²⁺ | Manganese tot-Mn | Sulphate SO ₄ | Hydrogen sulphide as S ²⁻ | Oxygen | Sw EQC Redox class |
|----------------|-----------------|--------|----------------|--------------------------|---------------------|-----------------------------|--|--------|--------------------------|
| SFM0001 | Coastal area | H | 1.7 | 1.5 | 0.19 | 160 | 0.054 | 0.05 | 3 |
| SFM0002 | Norra bassängen | 2:1 H | 1.8 | 1.9 | 0.17 | 20 | < 0.03 | 0.73 | 3 |
| SFM0003 | Norra bassängen | 2:1 H | 1.5 | 1.7 | 0.18 | 57 | < 0.03 | 0.37 | 3 |
| SFM0005 | Coastal area | H | 0.058 | 0.031 | 0.078 | 15 | < 0.03 | 3.1 | 2 |
| SFM0006 | Bredviken | 5:1 H | < 0.02 | 0.0040 | 0.065 | 81 | 0.0060 | 7.5 | 2 |
| SFM0008 | Bredviken | 5:1 H | 0.43 | 0.42 | 0.13 | 79 | < 0.03 | 0.3 | 3 |
| SFM0009 | Vambörsfjärden | 2:6 H | 0.039 | 0.017 | 0.033 | 21 | 0.028 | | 1 |
| SFM0012 | Gällsboträsket | 2:8 L | 7.1 | | 0.44 | 220 | 0.13 | 0.3 | 3 |
| SFM0015 | Eckarfjärden | 2:10 L | 5.7 | | 0.49 | 0.49 | 0.091 | 0.9 | 4 |
| SFM0021 | Bolundsfjärden | 2:3 H | 0.055 | | 0.0062 | | | | |
| SFM0022 | Fiskarfjärden | 8:1 L | 6.8 | | 0.52 | 110 | | | 2 |
| SFM0023 | Bolundsfjärden | 2:3 L | 25 | | 0.89 | 350 | | | 3 |
| SFM0025 | Coastal area | L | 6.5 | | 1.0 | 240 | | | 3 |
| SFM0027 | Fiskarfjärden | 8:1 L | 0.079 | 0.10 | 0.074 | 48 | 0.0090 | | 2 |
| SFM0029 | Lillfjärden | 4:2 H | 1.9 | 1.8 | 0.20 | 51 | 0.012 | | 3 |
| SFM0031 | Bolundsfjärden | 2:3 H | 0.28 | 0.33 | 0.23 | 120 | 0.024 | | 3 |
| SFM0032 | Bolundsfjärden | 2:3 H | 2.1 | 2.3 | 0.21 | 39 | 0.047 | | 3 |
| SFM0037 | Norra bassängen | 2:1 L | 2.3 | 2.2 | 0.26 | 120 | 0.17 | | 3 |
| SFM0049 | Coastal area | H | 1.3 | 1.4 | 0.14 | 2.5 | 0.44 | | 4 |
| SFM0051 | Norra bassängen | 2:1 H | 6.6 | 3.6 | 0.25 | 17 | | | 3 |
| SFM0053 | Lillfjärden | 4:2 H | 3.1 | 3.6 | 0.15 | 43 | | | 3 |
| SFM0056 | Coastal area | L | 0.35 | | 0.069 | 250 | | | 3 |
| SFM0057 | Gällsboträsket | 2:8 L | 0.15 | 0.12 | 0.085 | 25 | 0.0060 | | 3 |
| SFM0060 | Coastal area | H | 0.020 | 0.0050 | 0.020 | 70 | 0.018 | | 1 |
| SFM0062 | Bolundsfjärden | 2:3 L | 4.4 | | 0.086 | 39 | | | 3 |
| SFM0063 | Bolundsfjärden | 2:3 L | 5.2 | | 0.45 | 40 | | | 2 |
| SFM0065 | Lillfjärden | 4:2 L | < 0.02 | | 0.63 | 87 | | | 2 |
| SFM0074 | Bolundsfjärden | 2:3 H | 1.2 | | 0.13 | 45 | | | 3 |
| All soil tubes | | | 1.3 | 1.5 | 0.17 | 50 | < 0.03 | | |

5.5.2 Iron and manganese

With the exception of SFM0065 in Lake Lillfjärden, soil tubes located in till below lake sediments show high *iron* concentrations, e.g. SFM0023 in Lake Bolundsfjärden (Figure 5-38). The elevated iron as well as manganese concentration in these soil tubes is probably caused by contamination from the steel pipes used at these sites. These data, that later were excluded from the SICADA database, are however included in this compilation to give a complete transcription of the database in May 2005.

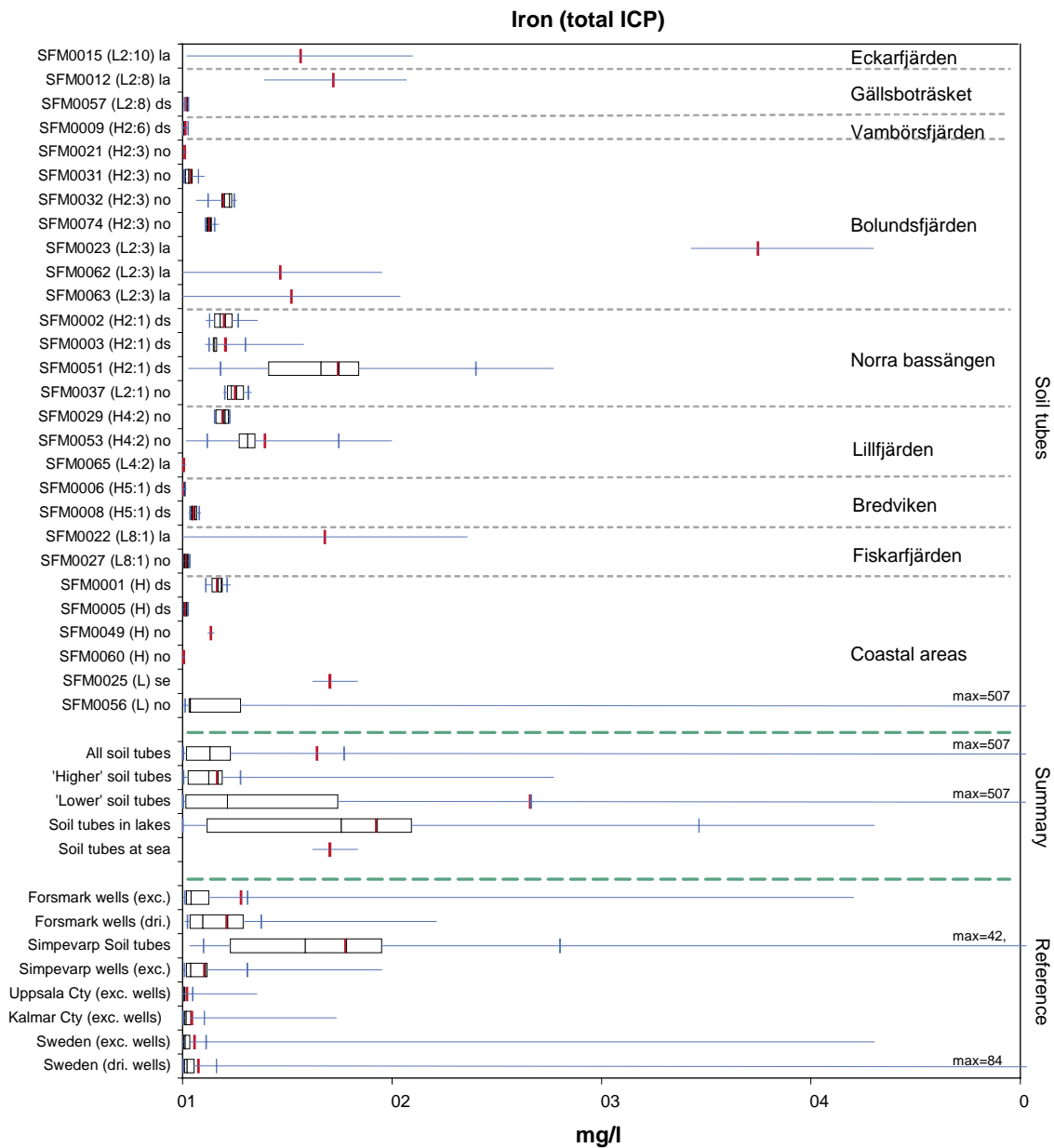


Figure 5-38. Concentration of total (ICP) iron in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The iron concentrations are generally higher in shallow groundwaters compared to both stream, lake and sea water. The iron concentration in precipitation is about 0.01 mg/l in the Forsmark area. In streams and lakes median concentrations about 0.1 mg/l are usually measured, compared to 0.2 mg/l in the rest of Sweden. The median concentrations measured in sea water are 0.03 mg/l (Figure 5-39).

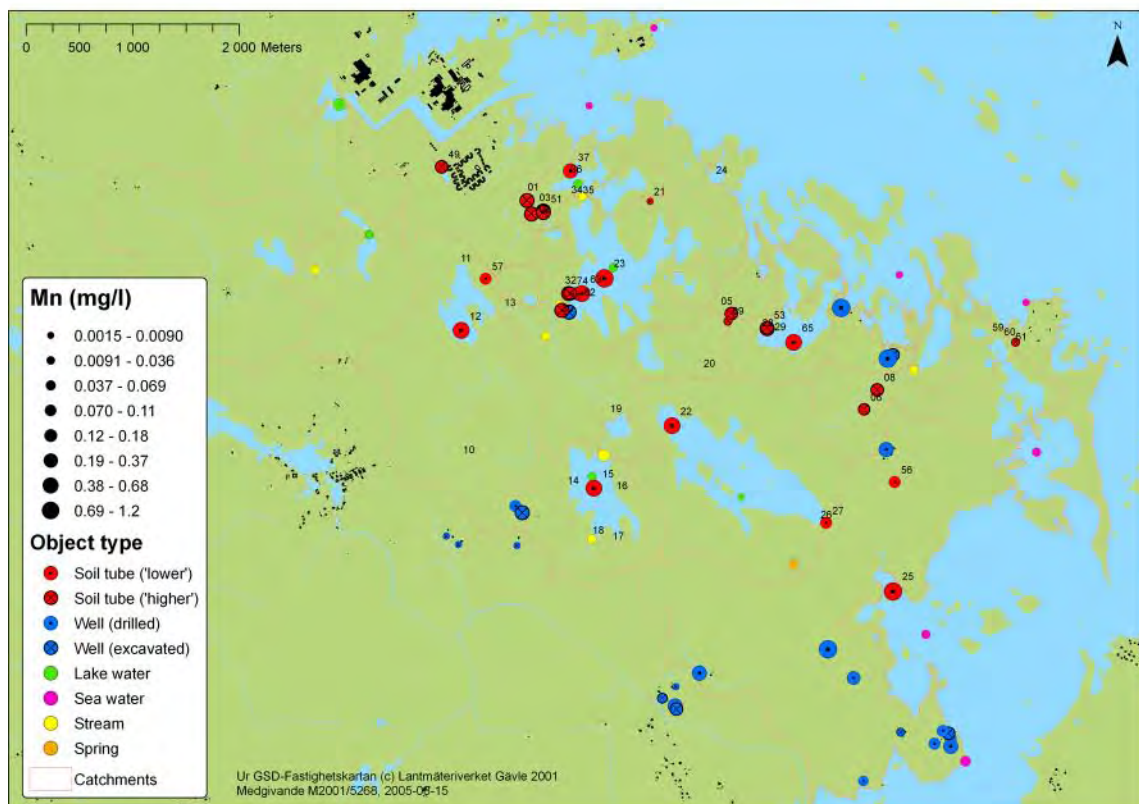
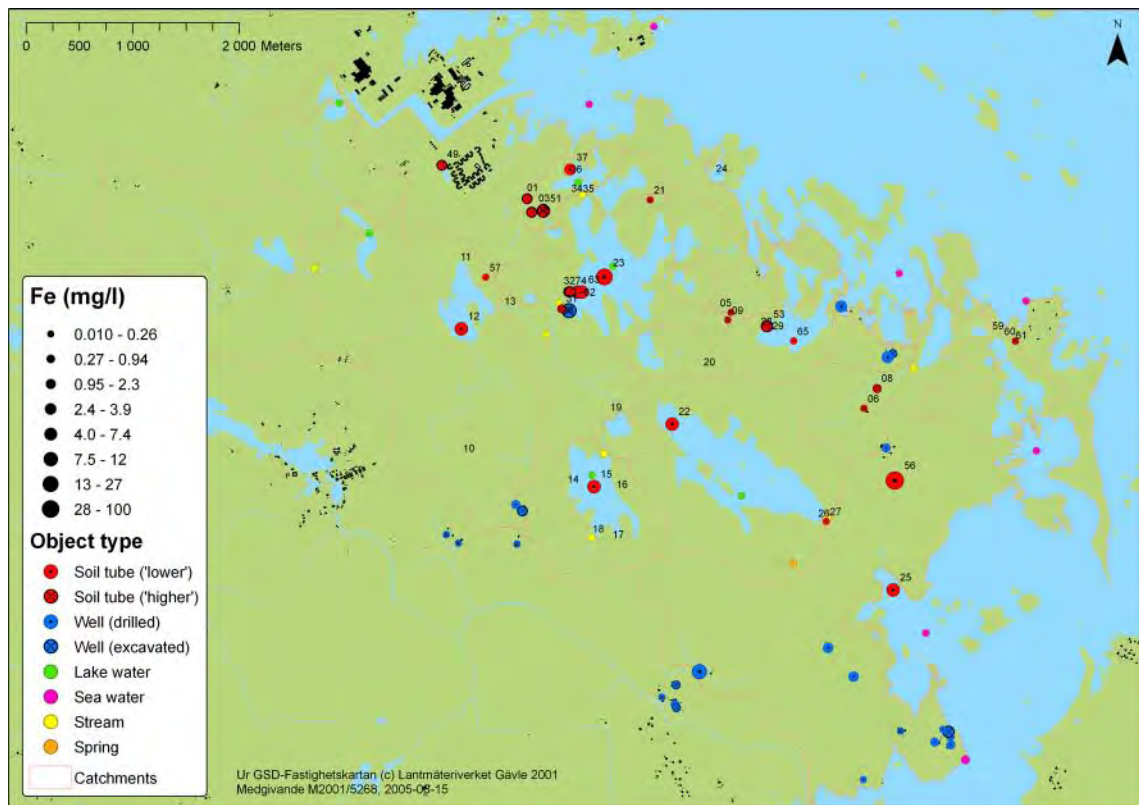


Figure 5-39. Concentrations of total iron (upper) and manganese (lower) in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The spatial pattern of **manganese** is similar to iron. One of the most notable differences between iron and manganese are found for a single observation in SFM0065, where the iron concentration is low and manganese is high, probably due to precipitation of iron after mounting of the soil tube (Figure 5-40).

When compared to wells in Sweden, both iron and manganese concentrations of the wells in Forsmark are clearly higher, indicating generally elevated levels in the shallow groundwaters of the area. The median value of non-disturbed shallow groundwater in Sweden is 0.005 mg/l /Naturvårdsverket 1995/ compared to 0.2 mg/l in the Forsmark area. In streams, lakes and sea water median concentrations are around 0.01 mg/l.

Typical concentration in shallow groundwater in the Forsmark area is 1 mg/l for iron and 0.2 mg/l for manganese. In soil tubes located in the lakes are both iron and manganese concentrations elevated probably due to contamination from the steel pipes used.

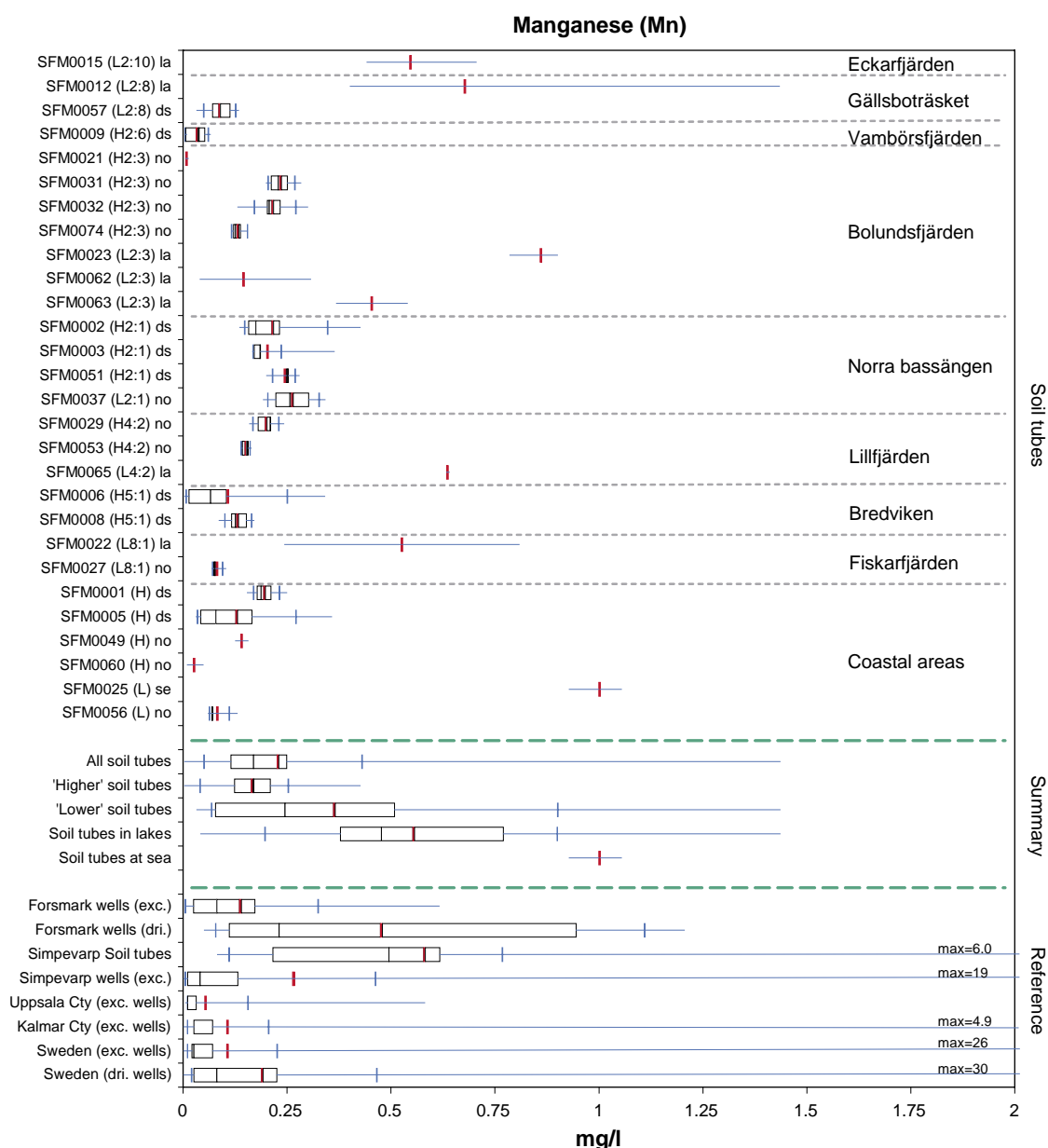


Figure 5-40. Concentration of total (ICP) manganese in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

5.6 Alkalinity and pH

The Forsmark area is characterised by neutral or slightly basic pH values in the shallow groundwaters. All measurements of alkalinity is classed as ‘very high’ according to the Swedish Environmental Quality Criteria /Naturvårdsverket 1999b/. Alkalinity measured as bicarbonate content is also accounted for under Section 4.3.2 dealing with the major constituents.

The pH-level and alkalinity in the private wells of the Forsmark area are both elevated compared to wells of Uppsala County and the rest of Sweden. The median value for wells in Forsmark area correspond to the 90-percentile of Swedish wells (Figure 5-41).

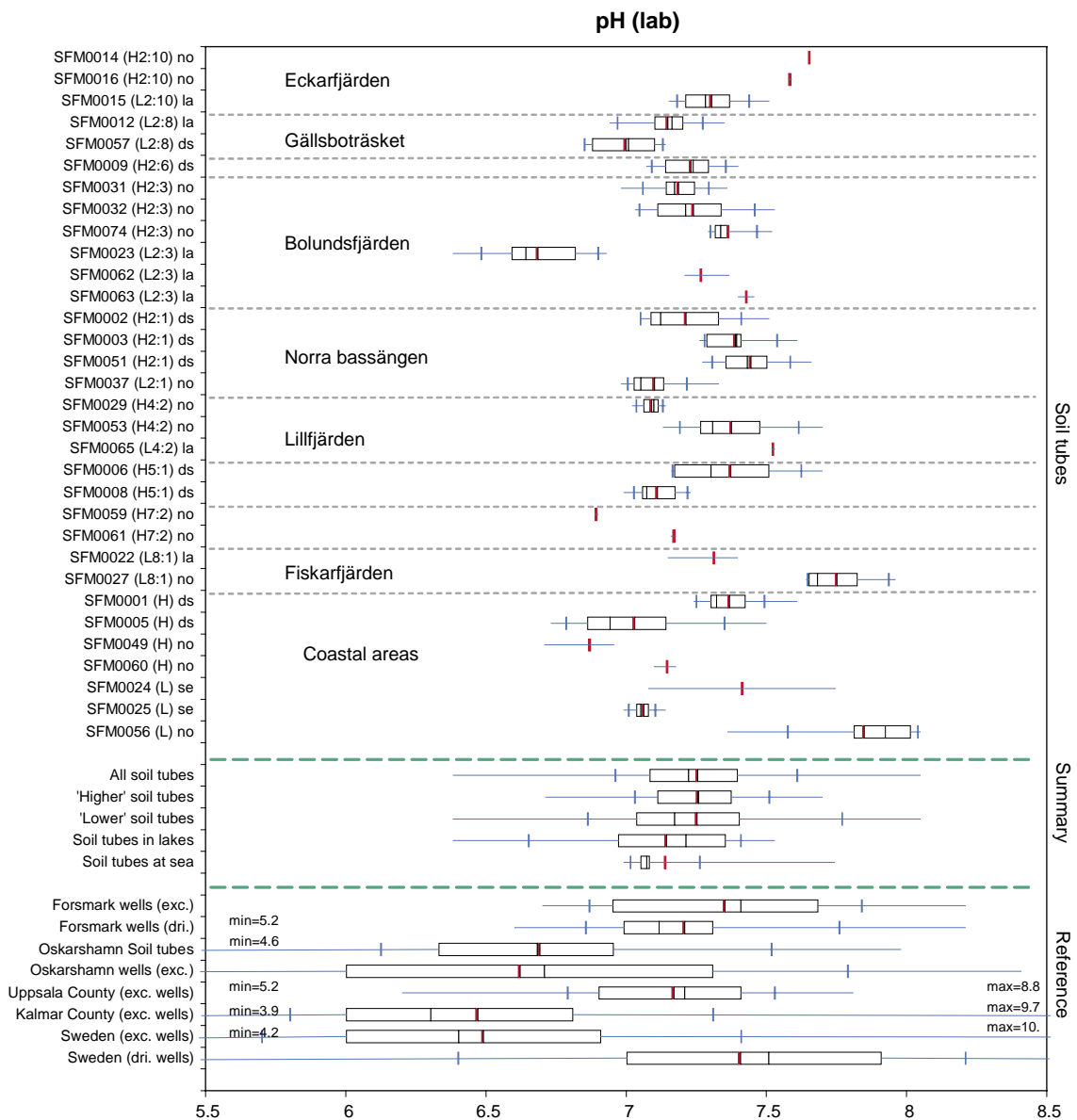


Figure 5-41. pH in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

The pH is generally lower in shallow groundwaters compared to both stream, lake and sea water. The pH in precipitation is about 5.0 in the Forsmark area. In streams median pH values around 7.5 are usually measured, compared to 6.6 in the rest of Sweden. The median pH measured in sea water are 7.9 (Figure 5-42).

There are no obvious differences when soil tubes at 'higher' and 'lower' levels are compared. The lowest pH is found for the soil tube SFM0023 in Lake Bolundsfjärden and the highest are found for SFM0027 and SFM0056, both located in the eastern part of the area.

In the catchment of Bredviken the soil tubes (SFM0006 and SFM0008) shows slightly lowered pH-values compared to most other tubes at 'higher' levels. Also one of the soil tubes located at the esker Börstilsåsen, shows a low pH value.

A typical pH value in shallow groundwater in the Forsmark area is 7.2. A typical value of alkalinity is 350 mg HCO₃/l (5.7 mekv/l).

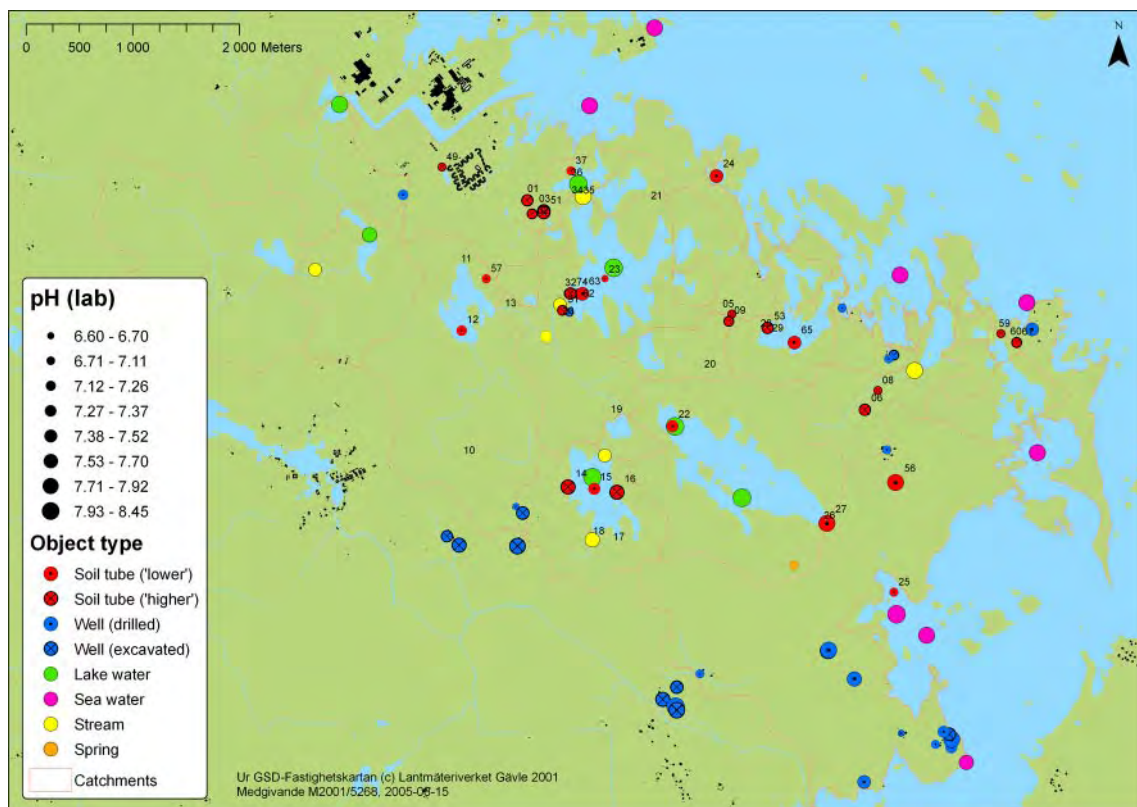


Figure 5-42. pH values in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

5.7 Trace elements

In this section the abundance of 36 trace elements in shallow groundwater are compiled. Comparisons are made to other regions as well as surface waters and precipitation. A few selected elements are described in more detail by box plots showing statistical distributions and in maps showing spatial patterns.

For some of the trace elements a significant portion of the observations falls below the reporting limit of the analysis method. This is particularly the case for cesium, mercury, scandium, terbium, thorium and thallium, making the conclusions more uncertain for these elements.

5.7.1 Overview of trace elements

In Table 5-7 median values in Forsmark soil tubes are compared to concentrations observed in lakes, streams, sea water and precipitation. Iodine, lithium, strontium and barium are also described in a previous section besides major constituents, iron and manganese. In Appendix 2 detailed statistics per element are presented for individual soil tubes as well as different categories.

The concentrations differ among the trace elements by several orders of magnitude. The highest concentrations are found for aluminium, uranium, rubidium, lanthanum and ytterbium. The lowest are found for mercury, hafnium, cadmium and some of the lanthanides, such as lutetium.

When comparing the concentrations of trace elements observed in the soil tubes of Forsmark to other Swedish groundwaters the following preliminary conclusions could be drawn:

- The concentrations of the 'rare earth elements' (REE), e.g. lanthanum, ytterbium and lutetium, are only a tenth of the concentrations measured in soil tubes in the Simpevarp area. The concentrations of the lakes in the Forsmark area are, however, comparable to the levels measured in most Swedish lakes.
- When comparing the median values of all observations of the REE there is a tendency that these elements occur at higher concentrations in 'higher' located soil tubes compared to 'lower' located soil tubes. There is however a few soil tubes that do not fit this pattern, as seen for lanthanum in Figure 5-44. It should be noted that the classification in 'higher' and 'lower' located soil tubes is rather arbitrary.
- Rubidium and molybdenum show an opposite pattern to the REE with generally higher concentrations in 'lower' located soil tubes compared to 'higher'. For other elements, e.g. chromium, cobalt and vanadium, the differences are small.
- There are tendencies that the arsenic concentration is slightly elevated in the shallow groundwaters in the Forsmark area. When the concentrations of lakes and streams are compared to rest of Sweden, there is no obvious elevation of the arsenic levels.
- The uranium content in shallow groundwater shows rather normal values compared to other Swedish groundwaters. The concentrations in the lakes are on the other hand highly elevated compared to most lakes in Sweden. The latter is also seen for molybdenum.

Table 5-7. Median values of trace-elements (µg/l) in Forsmark soil tubes. Reference data from surface waters in Forsmark, soil tubes in the Simpevarp area and various Swedish surveys of groundwater, lakes, rivers, sea and precipitation, are also given. Values below the reporting limit are marked by a '<'-sign and the highest reporting limit included in each calculation are shown in the statistics.

| Element | All soil tubes | 'Higher' | 'Lower' | Simpevarp soil tubes | Swedish groundwaters ^a | Forsmark lakes | Swedish lakes ^b | Forsmark streams | Swedish rivers ^c | Precipitation ^d | Forsmark sea | |
|--------------|----------------|----------|---------|----------------------|-----------------------------------|----------------|----------------------------|------------------|-----------------------------|----------------------------|--------------|--------|
| Aluminium | Al | 23 | 21 | 23 | 57 | 15 | 45 | 13 | | – | 13 | |
| Antimony | Sb | < 0.1 | < 0.1 | < 0.1 | | 0.08 | 0.04 | 0.08 | | 0.06 | < 0.2 | |
| Arsenic | As | 1.1 | 1.1 | 0.80 | 0.62 | < 0.3 | 0.40 | 0.29 | 0.36 | 0.63 | 0.13 | < 100 |
| Barium | Ba | 63 | 63 | 50 | 63 | 20 | 7 | 23 | | 0.8 | 18 | |
| Cadmium | Cd | < 0.02 | < 0.02 | < 0.02 | 0.05 | 0.025 | 0.003 | 0.018 | 0.004 | 0.01 | 0.024 | < 0.05 |
| Cerium | Ce | 1.3 | 1.4 | 0.14 | 29 | 0.08 | 0.09 | 0.10 | | 0.029 | < 0.05 | |
| Cesium | Cs | < 0.3 | < 0.3 | < 0.3 | 0.57 | < 0.03 | 0.01 | < 0.03 | | 0.007 | < 0.3 | |
| Chromium | Cr | 0.20 | 0.20 | 0.19 | | 0.13 | 0.18 | 0.14 | 0.85 | 0.24 | 0.14 | |
| Cobalt | Co | 0.22 | 0.22 | 0.19 | | 0.08 | 0.05 | 0.08 | 0.54 | 0.017 | < 0.05 | |
| Copper | Cu | < 1 | < 1 | < 1 | | 0.84 | 0.6 | 0.5 | 0.7 | 0.9 | 0.80 | < 1 |
| Dysprosium | Dy | 0.17 | 0.19 | < 0.05 | 1.6 | 0.015 | 0.004 | 0.020 | | 0.002 | < 0.05 | |
| Erbium | Er | 0.100 | 0.11 | < 0.05 | 0.85 | 0.013 | 0.002 | 0.014 | | 0.0007 | < 0.05 | |
| Europium | Eu | < 0.05 | < 0.05 | < 0.05 | 0.43 | < 0.005 | 0.001 | < 0.005 | | 0.0005 | < 0.05 | |
| Gadolinium | Gd | 0.27 | 0.28 | < 0.05 | 2.7 | 0.014 | 0.006 | 0.019 | | 0.002 | < 0.05 | |
| Hafnium | Hf | < 0.05 | < 0.05 | < 0.05 | 0.05 | 0.010 | < 0.001 | 0.010 | | 0.001 | < 0.05 | |
| Holmium | Ho | < 0.05 | < 0.05 | < 0.05 | 0.31 | < 0.005 | < 0.001 | < 0.005 | | 0.0003 | < 0.05 | |
| Indium | In | < 0.3 | < 0.3 | < 0.3 | | 4.1 | | < 0.05 | | < 0.001 | 15 | |
| Lanthanum | La | 1.7 | 1.8 | 0.087 | 19 | 0.06 | 0.08 | 0.09 | | 0.017 | < 0.05 | |
| Lead | Pb | < 0.1 | < 0.1 | < 0.1 | | < 0.5 | 0.09 | 0.28 | 0.07 | 0.24 | 1.4 | < 0.3 |
| Lithium | Li | 9 | 7 | 18 | 14 | < 4 | 0.4 | < 4 | | 0.05 | 23 | |
| Lutetium | Lu | < 0.05 | < 0.05 | < 0.05 | 0.12 | < 0.005 | < 0.001 | < 0.005 | | 0.0001 | < 0.05 | |
| Mercury | Hg | < 0.002 | < 0.002 | < 0.002 | 0.001 | < 0.002 | 0.002 | < 0.002 | | < 0.002 | < 0.02 | |
| Molybdenum | Mo | 1.4 | 1.4 | 2.2 | | 0.47 | 0.05 | 0.42 | | 0.03 | 1.5 | |
| Neodymium | Nd | 1.4 | 1.5 | 0.093 | 17 | 0.08 | 0.05 | 0.08 | | 0.012 | < 0.05 | |
| Nickel | Ni | 0.91 | 1.00 | 0.82 | | 0.41 | 0.39 | 0.48 | 2.3 | 0.29 | 0.94 | |
| Praseodymium | Pr | 0.36 | 0.39 | < 0.05 | 4.5 | 0.02 | 0.02 | 0.02 | | 0.004 | < 0.05 | |
| Rubidium | Rb | 2.3 | 2.2 | 3.2 | 8.7 | 2.4 | 1.1 | 2.2 | | 0.12 | 17 | |
| Samarium | Sm | 0.24 | 0.24 | < 0.05 | 2.7 | 0.016 | 0.007 | 0.017 | | 0.002 | < 0.05 | |
| Scandium | Sc | < 0.5 | < 0.5 | < 0.5 | 0.82 | < 0.05 | < 0.05 | | | 0.003 | < 0.8 | |
| Strontium | Sr | 250 | 200 | 480 | 130 | 79 | 11 | 82 | | 0.7 | 1000 | |
| Terbium | Tb | < 0.5 | < 0.5 | < 0.5 | 0.34 | < 0.05 | < 0.001 | < 0.05 | | 0.0003 | < 0.5 | |
| Thallium | Tl | < 0.3 | < 0.3 | < 0.3 | 0.06 | < 0.03 | 0.005 | < 0.03 | | 0.006 | < 0.3 | |
| Thorium | Th | < 0.2 | < 0.2 | < 0.2 | 1.5 | 0.04 | < 0.02 | 0.014 | < 0.02 | 0.002 | < 0.4 | |
| Thulium | Tm | < 0.05 | < 0.05 | < 0.05 | 0.11 | < 0.005 | < 0.001 | < 0.005 | | 0.0001 | < 0.05 | |
| Uranium | U | 5.0 | 5.3 | 2.2 | 5.2 | 7.2 | 2.0 | 0.05 | 2.0 | 0.002 | 0.83 | |
| Vanadium | V | 0.58 | 0.61 | 0.53 | 7.8 | 0.25 | 0.13 | 0.28 | 0.84 | 0.43 | 0.23 | |
| Ytterbium | Yb | 1.7 | 1.7 | 0.44 | 11 | 0.013 | 0.003 | 0.015 | | 0.008 | < 0.05 | |
| Zinc | Zn | < 2 | < 2 | < 2 | | 9.3 | 1.1 | 2.2 | 1.5 | 10 | < 2 | |
| Zirconium | Zr | 1.1 | 1.3 | 0.98 | 3.6 | 0.31 | 0.03 | 0.27 | | 0.025 | < 10 | |

a. Uranium and thorium from /SSI 2005/, the remaining from /Naturvårdsverket 1995/.

b. Samples of 781 lakes in southern Sweden for commonly measured elements as heavy metals. 242 randomly sampled Swedish lakes for rarely measured elements /Naturvårdsverket 1999a/. Mercury from /Logan 2002/.

c. 76 watercourses of various sizes in southern Sweden /Naturvårdsverket 1999a/.

d. At Gårdsjön in the south west of Sweden /Eriksson 2001/.

In Figure 5-43 the relative mean concentrations are shown for a selection of elements where most observations exceed reporting limits. All rare earth elements (here Ce, Gd, La, Nd and Yb) show a similar pattern where the highest concentrations are found in soil tubes in recharge areas. There is no reliable information for this group concerning the content in sea water as all observations fall below the reporting limits.

Another group of elements that marks out are the metals chromium, nickel and vanadium, where the concentrations in precipitation (measured at Gårdsjön in western Sweden) are comparable to the concentrations observed both in groundwater and surface water in the Forsmark area. This pattern indicates that deposition may be an important source of these elements.

For rubidium are the highest concentrations found in sea water. Most of the major constituents follow this pattern, e.g. sodium, potassium, magnesium and chloride.

5.7.2 Examples – lanthanum, uranium, rubidium and vanadium

The observations of lanthanum in the Forsmark area may be discriminated in three groups according to Figure 5-44. Five soil tubes, all located in till below lake sediments show very low concentrations of lanthanum, whereas most other soil tubes show about 100 times higher concentrations. Two soil tubes located in the vicinity of lakes, SFM0057 and SFM0037 show especially high concentrations of lanthanum.

In some of the soil tubes, *uranium* and *rubidium* show opposite concentration patterns. In SMF0015 and SFM0023 the content of uranium is especially low whereas the rubidium content is especially high (Figures 5-45 and 5-46).

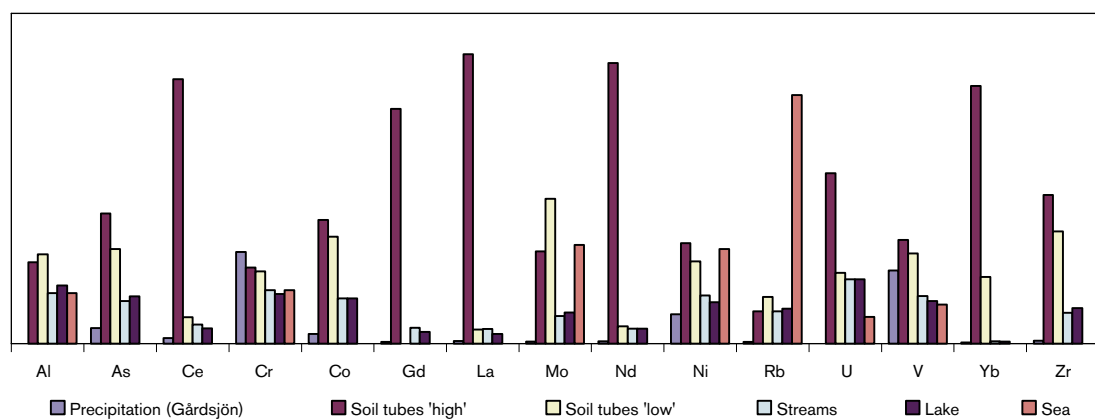


Figure 5-43. Relative mean concentrations in precipitation (measured at Gårdsjön in western Sweden), soil tubes at 'higher' and 'lower' levels, streams, lakes and in sea water in the Forsmark area. The figure is based on all available data from the Forsmark area.

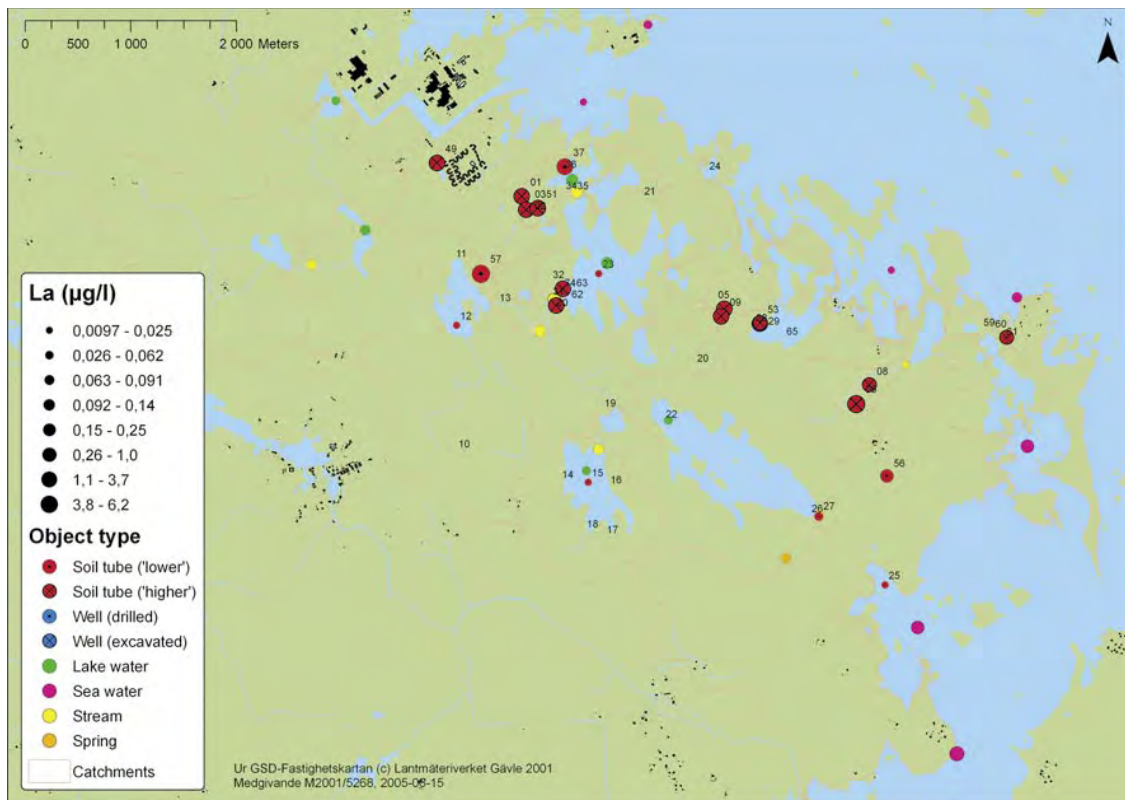
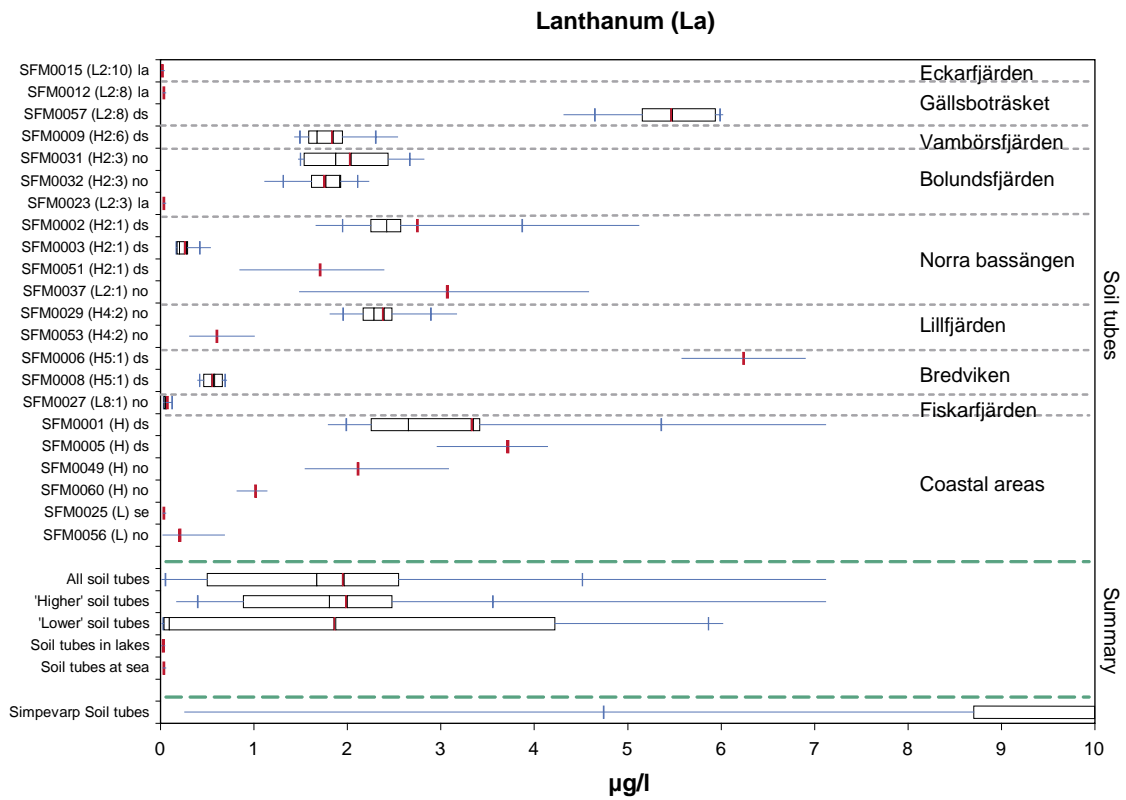


Figure 5-44. Concentrations of lanthanum in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

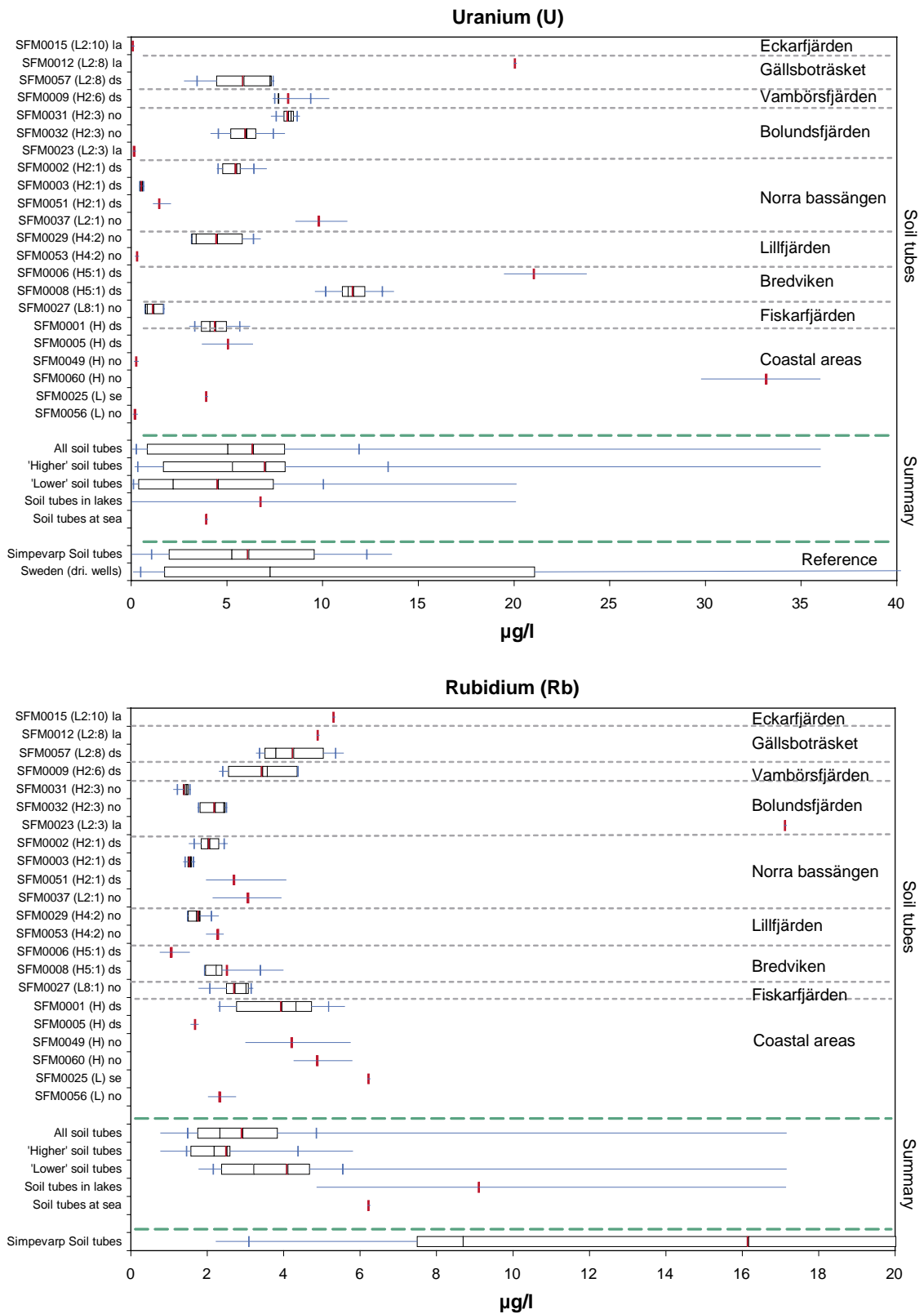


Figure 5-45. Uranium (upper) and rubidium (lower) concentrations in shallow groundwater in Forsmark. Explanations are given in Section 4.3.

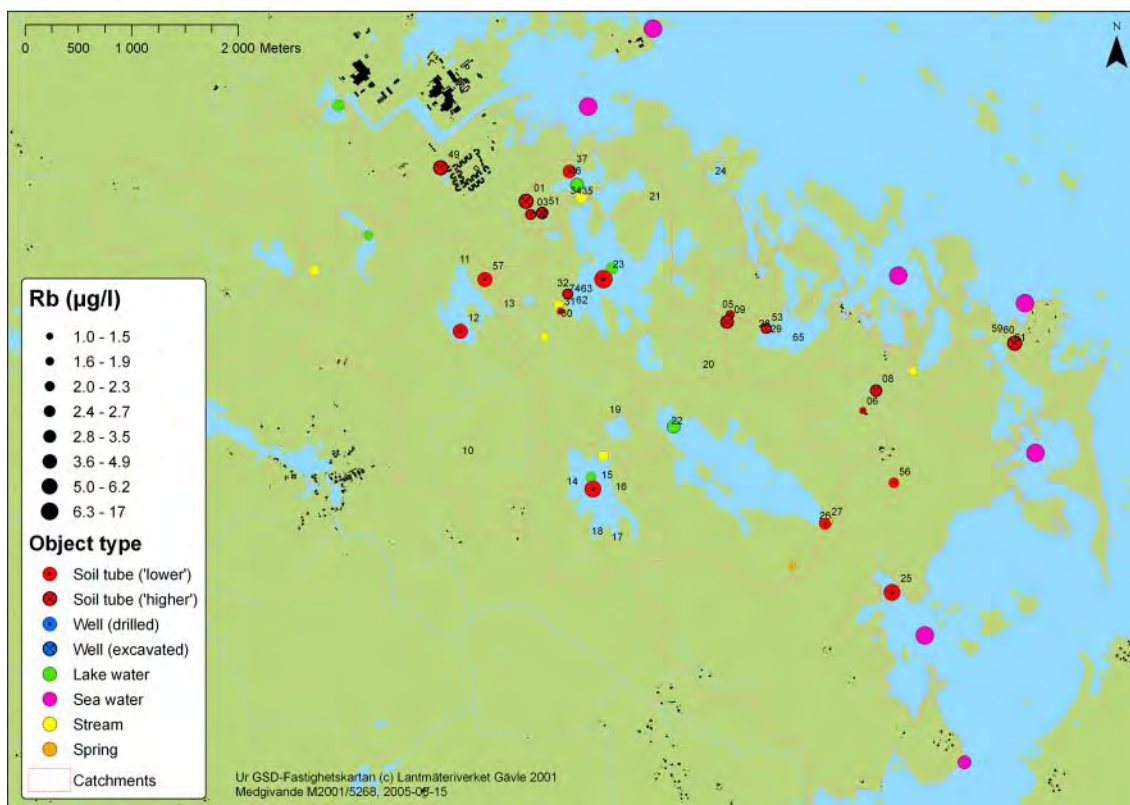
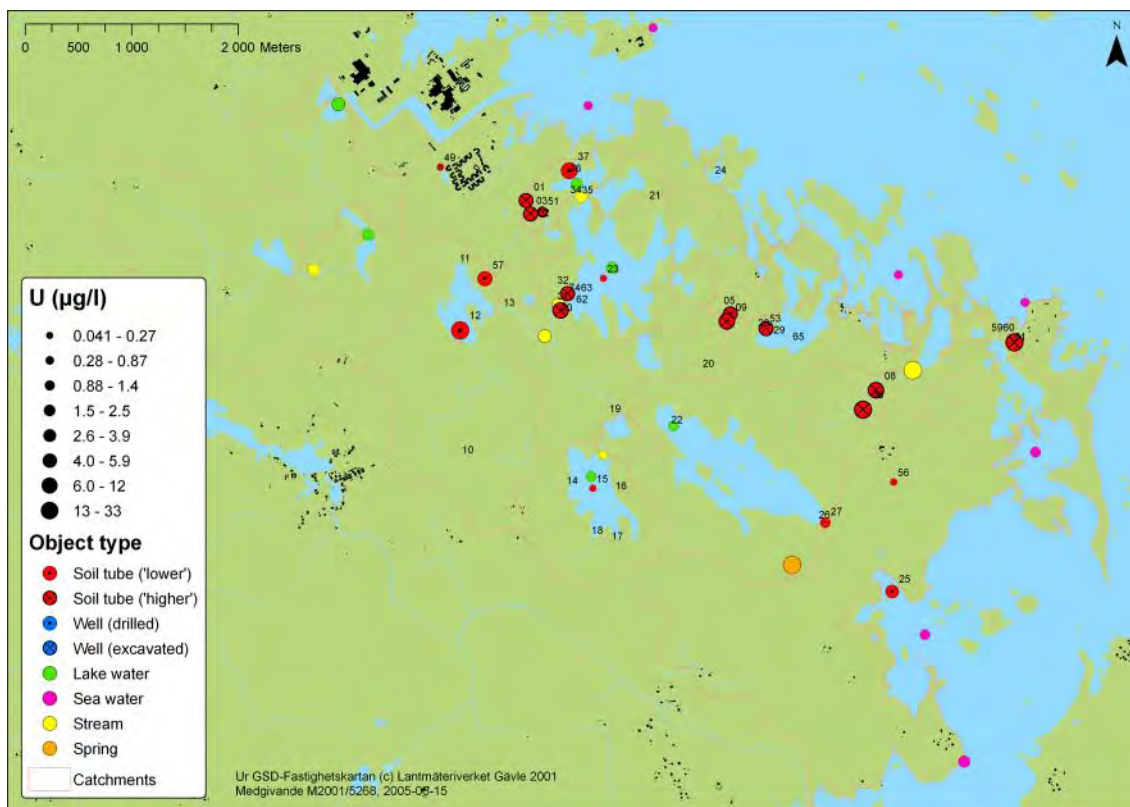


Figure 5-46. Concentrations of uranium (upper) and rubidium (lower) in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

Vanadium is an example of an element that is essential for micro organisms but not higher plants. The mobility of vanadium is dependent on factors as organic matter, potassium, calcium and carbonate. /Eriksson 2001/.

The lowest vanadium concentrations are found in the calcium rich soil tubes located in till below the lake sediments (SFM0012, SFM0023 and SFM0015). The concentrations measured in the surface waters are usually slightly higher.

In some of the soil tubes, especially at 'higher' locations, the vanadium concentrations are markedly elevated, approximately 30 times compared to the lowest concentrations observed. The concentrations measured in precipitation are of the same level as the concentrations observed in shallow groundwaters, implicating that deposition could be an important source for vanadium (Figure 5-47).

Zinc is another example of an essential trace element. In most soil tubes and surface waters the zinc concentrations are approximately in the same level (1–2 µg/l). In private wells the levels are significantly elevated due to contamination, as zinc is used in alloys and as protection against corrosion. Two soil tubes (SFM0051 and SFM0056) show slightly elevated zinc levels (Figure 5-48).

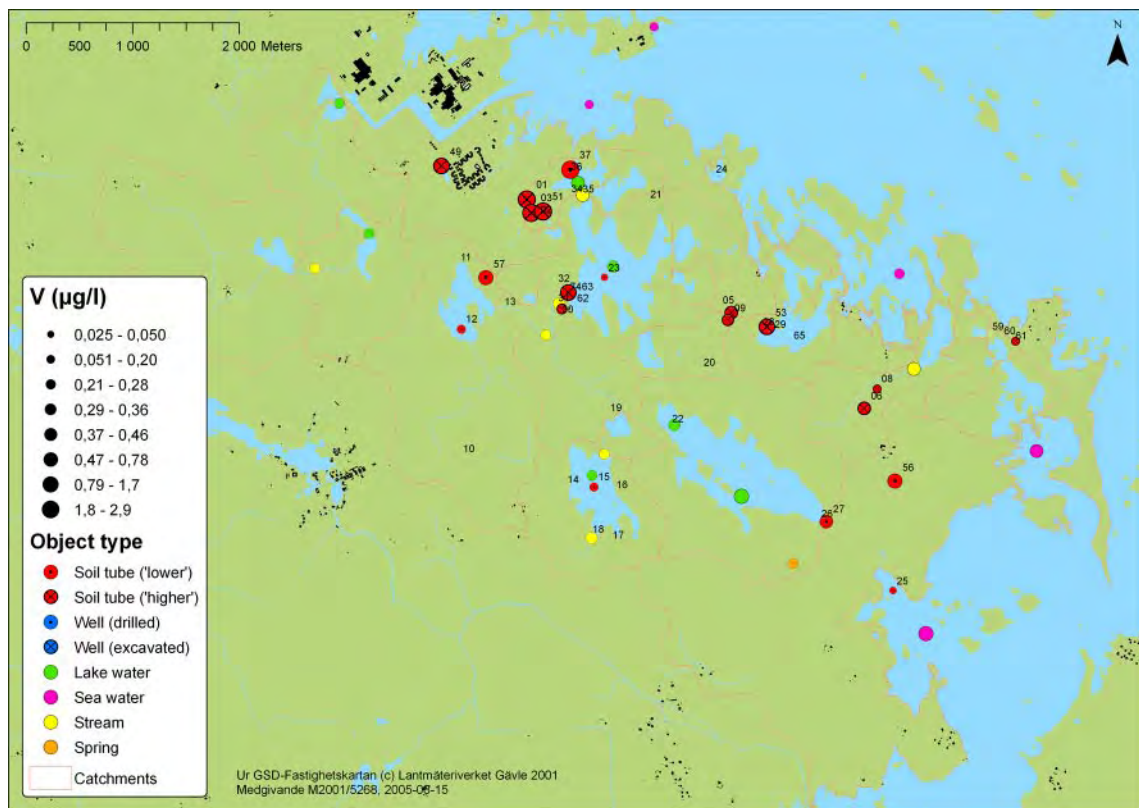


Figure 5-47. Concentrations of vanadium in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

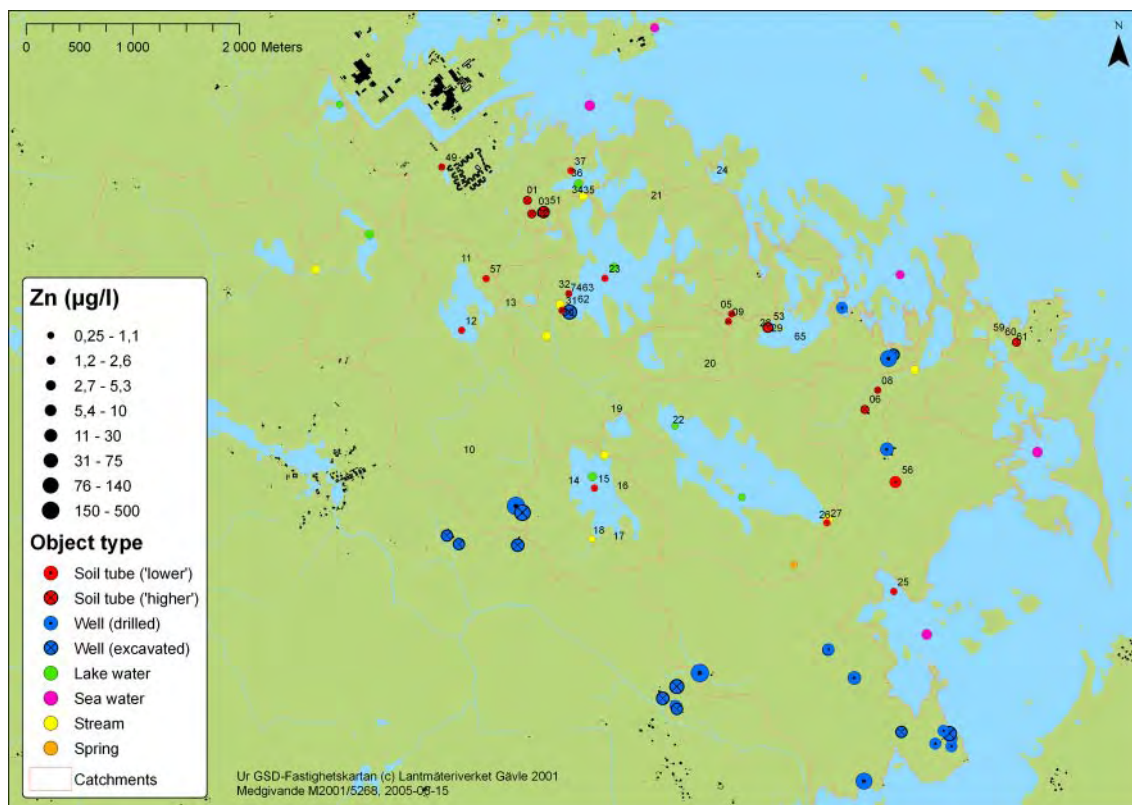


Figure 5-48. Concentrations of zinc in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes. Note that the private wells, marked by blue dots, are highly contaminated by installations in the wells.

5.8 Isotopes

In this section all isotopic information from shallow groundwater is compiled. In the first part the environmental isotopes of hydrogen, oxygen and carbon are presented, followed by the stable isotopes of boron, chlorine, sulphur and strontium. The last part deals with the radioisotopes of uranium, thorium, radium and radon.

5.8.1 Overview – isotopes of hydrogen, oxygen and carbon

In Table 5-8 the median values are shown for isotopes of hydrogen, oxygen and carbon.

The relationships between the isotopes of hydrogen, oxygen and carbon are outlined in the correlation matrix shown in Table 5-9. Deuterium and oxygen-18, which of course are closely correlated, are also correlated to the D/O-18 ratio and carbon-13. Furthermore, tritium is negatively correlated to carbon-13. Carbon-14, expressed as percent modern carbon, is negatively correlated to chloride and calcium.

Table 5-8. Overview of isotope data for hydrogen, oxygen and carbon from soil tubes in the Forsmark area. Median values.

| Idcode | Catchment | | Tr | D | O-18 | D/O-18 | C-13 | C-14 |
|---------------------|------------------|--------|-----------|--------------|--------------|---------------|-------------|-------------|
| | | | TU | ‰SMOC | ‰SMOC | ratio | ‰PDB | pmC |
| SFM0001 | Coastal area | H | 12.2 | -82.6 | -11.0 | 7.18 | -14.4 | 90.6 |
| SFM0002 | Norra bassängen | 2:1 H | 11.6 | -87.1 | -12.1 | 7.12 | -15.0 | 86.7 |
| SFM0003 | Norra bassängen | 2:1 H | 14.6 | -75.9 | -9.75 | 7.77 | -13.1 | 90.7 |
| SFM0005 | Coastal area | H | 11.3 | -89.4 | -12.3 | 7.06 | -14.5 | 95.0 |
| SFM0006 | Bredviken | 5:1 H | 10.5 | -92.0 | -12.7 | 7.17 | -15.2 | 104 |
| SFM0008 | Bredviken | 5:1 H | 10.4 | -87.7 | -12.3 | 7.16 | -14.6 | 97.9 |
| SFM0009 | Vambörsfjärden | 2:6 H | 11.7 | -86.6 | -11.9 | 7.09 | -13.3 | 93.1 |
| SFM0010 | Gällsboträsket | 2:8 H | 0.40 | -86.9 | -12.3 | 7.07 | | |
| SFM0011 | Gällsboträsket | 2:8 L | 2.00 | -73.5 | -9.50 | 7.74 | | |
| SFM0012 | Gällsboträsket | 2:8 L | 1.05 | -75.7 | -9.60 | 7.89 | -6.53 | 49.8 |
| SFM0013 | Bolundsfiärden | 2:3 L | 7.00 | -81.0 | -10.8 | 7.50 | | |
| SFM0014 | Eckarfjärden | 2:10 H | 13.5 | -87.5 | -12.1 | 7.23 | | |
| SFM0015 | Eckarfjärden | 2:10 L | 4.20 | -67.4 | -7.60 | 8.83 | 7.64 | 83.3 |
| SFM0016 | Eckarfjärden | 2:10 H | 13.8 | -78.5 | -10.1 | 7.77 | | |
| SFM0017 | Eckarfjärden | 2:10 L | 7.80 | -84.9 | -11.5 | 7.38 | | |
| SFM0018 | Eckarfjärden | 2:10 L | 7.10 | -86.3 | -11.9 | 7.25 | | |
| SFM0019 | Bolundsfiärden | 2:3 H | 12.7 | -86.0 | -11.9 | 7.23 | | |
| SFM0020 | Vambörsfjärden | 2:6 H | 10.1 | -86.0 | -11.9 | 7.23 | | |
| SFM0021 | Bolundsfiärden | 2:3 H | 12.0 | -86.8 | -11.8 | 7.36 | | |
| SFM0022 | Fiskarfjärden | 8:1 L | 1.25 | -75.0 | -10.0 | 7.50 | -8.40 | 66.8 |
| SFM0023 | Bolundsfiärden | 2:3 L | 2.70 | -69.0 | -8.90 | 7.75 | -6.48 | 44.4 |
| SFM0024 | Coastal area | L | 12.2 | -75.5 | -9.80 | 7.78 | -12.4 | 88.9 |
| SFM0025 | Coastal area | L | 7.90 | -87.5 | -11.7 | 7.45 | -11.2 | 47.7 |
| SFM0026 | Fiskarfjärden | 8:1 L | 15.7 | -87.0 | -12.0 | 7.25 | | |
| SFM0027 | Fiskarfjärden | 8:1 L | 10.2 | -86.5 | -11.9 | 7.27 | -14.1 | 79.8 |
| SFM0028 | Lillfiärden | 4:2 H | 15.5 | -86.1 | -11.9 | 7.24 | | |
| SFM0029 | Lillfiärden | 4:2 H | 11.8 | -85.1 | -12.0 | 7.15 | -13.1 | 93.4 |
| SFM0030 | Bolundsfiärden | 2:3 H | 11.8 | -80.8 | -10.2 | 7.93 | | |
| SFM0031 | Bolundsfiärden | 2:3 H | 12.3 | -72.4 | -10.2 | 7.13 | -15.2 | 95.5 |
| SFM0032 | Bolundsfiärden | 2:3 H | 12.3 | -85.1 | -11.8 | 7.23 | -13.7 | 94.7 |
| SFM0034 | Norra bassängen | 2:1 L | 12.9 | -81.1 | -10.8 | 7.51 | | |
| SFM0036 | Norra bassängen | 2:1 L | 11.5 | -80.7 | -11.0 | 7.34 | | |
| SFM0037 | Norra bassängen | 2:1 L | 12.8 | -77.6 | -10.7 | 6.99 | -15.5 | 103 |
| SFM0049 | Coastal area | H | 13.1 | -75.8 | -9.80 | 7.47 | -10.2 | 114 |
| SFM0051 | Norra bassängen | 2:1 H | 10.4 | -86.1 | -12.3 | 7.04 | -13.6 | 87.5 |
| SFM0053 | Lillfiärden | 4:2 H | 10.2 | -86.5 | -12.1 | 7.17 | -12.5 | 93.9 |
| SFM0056 | Coastal area | L | 0.40 | -83.7 | -11.5 | 7.16 | | |
| SFM0057 | Gällsboträsket | 2:8 L | 9.80 | -89.7 | -12.5 | 7.09 | -13.0 | 94.4 |
| SFM0059 | Märrbadet | 7:2 H | 9.00 | -82.0 | -11.1 | 7.39 | | |
| SFM0060 | Coastal area | H | 10.0 | -88.7 | -12.5 | 7.10 | -12.1 | 88.9 |
| SFM0061 | Märrbadet | 7:2 H | 10.9 | -89.2 | -12.4 | 7.22 | | |
| SFM0062 | Bolundsfiärden | 2:3 L | 9.90 | -83.8 | -11.8 | 7.10 | | |
| SFM0063 | Bolundsfiärden | 2:3 L | 9.00 | -80.9 | -11.3 | 7.16 | | |
| SFM0065 | Lillfiärden | 4:2 L | | -77.4 | -11.2 | 6.91 | | |
| SFM0074 | Bolundsfiärden | 2:3 H | 10.6 | -82.7 | -11.7 | 7.17 | | |
| 'Higher' soil tubes | | H | 11.6 | -85.1 | -11.9 | 7.23 | -13.9 | 91.0 |
| 'Lower' soil tubes | | L | 7.80 | -80.7 | -11.0 | 7.44 | -8.74 | 81.3 |
| All soil tubes | | | 10.9 | -83.7 | -11.8 | 7.25 | -13.2 | 89.8 |

Table 5-9. Pearson correlation matrix based on isotope data for hydrogen, oxygen and carbon from soil tubes in the Forsmark area. Calcium, bicarbonate, chloride and sulphate are included as reference. Figures in bold are significant ($p < 0.05$, two-tailed test). The correlation analysis is based on individual observations with complete records, thus excluding about half of soil tubes.

| | Ca | HCO ₃ | Cl | SO ₄ | D | O-18 | D/O-18 | C-14 | C-13 | Tritium |
|------------------|--------------|------------------|--------------|-----------------|--------------|--------------|-------------|--------------|--------------|--------------|
| Ca | 1 | -0.56 | 0.87 | 0.73 | 0.11 | 0.04 | -0.11 | -0.76 | 0.08 | -0.17 |
| HCO ₃ | -0.56 | 1 | -0.37 | -0.28 | 0.40 | 0.48 | 0.48 | 0.27 | 0.44 | -0.18 |
| Cl | 0.87 | -0.37 | 1 | 0.82 | 0.42 | 0.35 | 0.09 | -0.82 | 0.31 | -0.41 |
| SO ₄ | 0.73 | -0.28 | 0.82 | 1 | 0.32 | 0.24 | -0.04 | -0.56 | 0.00 | -0.12 |
| Deuterium | 0.11 | 0.40 | 0.42 | 0.32 | 1 | 0.90 | 0.45 | -0.28 | 0.65 | -0.36 |
| Oxygen-18 | 0.04 | 0.48 | 0.35 | 0.24 | 0.90 | 1 | 0.79 | -0.32 | 0.67 | -0.27 |
| D/O18 ratio | -0.11 | 0.48 | 0.09 | -0.04 | 0.45 | 0.79 | 1 | -0.24 | 0.53 | -0.08 |
| Carbon-14 | -0.76 | 0.27 | -0.82 | -0.56 | -0.28 | -0.32 | -0.24 | 1 | -0.34 | 0.36 |
| Carbon-13 | 0.08 | 0.44 | 0.31 | 0.00 | 0.65 | 0.67 | 0.53 | -0.34 | 1 | -0.61 |
| Tritium | -0.17 | -0.18 | -0.41 | -0.12 | -0.36 | -0.27 | -0.08 | 0.36 | -0.61 | 1 |

5.8.2 Deuterium and oxygen-18

Deuterium and oxygen-18 are evaluated both separately and in combination as a ratio. In Figures 5-52 to 5-54 the distributions and spatial variation are shown for each isotope separately and in Figures 5-49 to 5-51 are both isotopes evaluated.

The soil tube in till below the sediments of Lake Eckarfjärden (SFM0015) shows a significantly higher ratio between deuterium and oxygen-18, compared to the rest of the soil tubes (Figure 5-49).

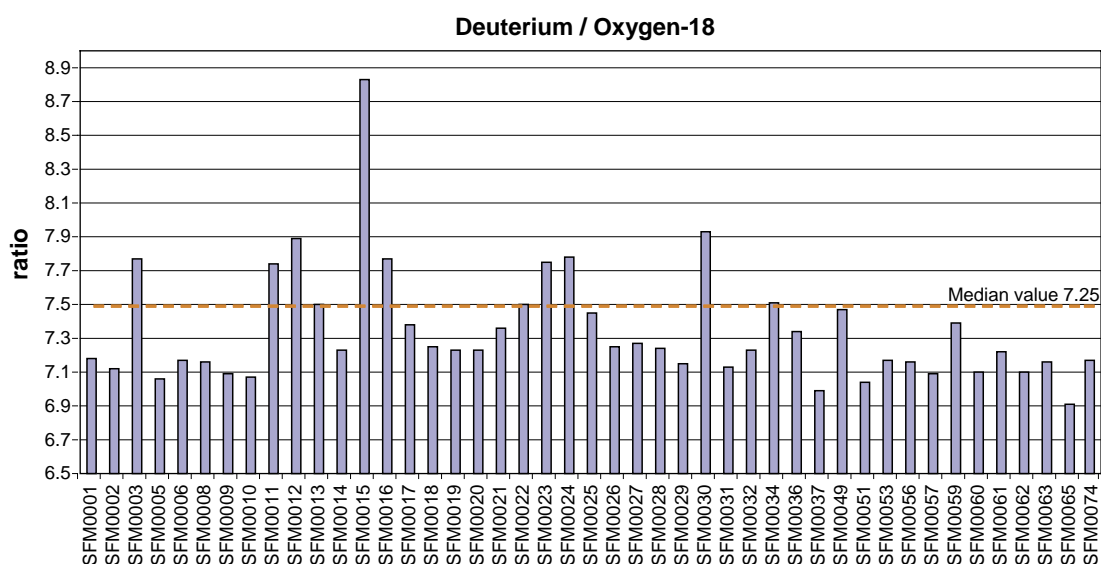


Figure 5-49. The median ratio between deuterium and oxygen-18 in shallow groundwater in the Forsmark area.

Precipitation data and most observations of soil tubes plot on or close to the Global Meteoric Water Line (GMWL), indicating a meteoric origin of the shallow groundwaters. Data from streams and lakes forms an ‘evaporation line’ indicating enrichments of the heavier isotopes due to evaporation in these waters (Figure 5-50). The deuterium and oxygen-18 deviations measured in soil tubes fall within the ranges observed in precipitation at the Forsmark site. The very low deuterium values measured at winter time (around -110 dev SMOW) are not observed in any shallow groundwaters.

The deviations from the Global Meteoric Water Line have been estimated for individual soil tubes in Figure 5-51, by calculating the deuterium excess. Most soil tubes show a symmetric variation around the GMWL indicating that these tubes are influenced by recharging meteoric water. Some of the soil tubes located in till below the sediments of the lakes and at sea (e.g. SFM0012, SFM0015, SFM0023) shows a systematic shift towards deuterium deficiency, perhaps indicating marine influences (the samples of the Baltic Sea show a similar deuterium deficiency).

In Figure 5-52, the spatial pattern in the area is shown for deuterium. The dots represent non-weighted mean values of all observations per object. The spatial pattern is identical for oxygen-18. The largest mean deviations are found for precipitation and recharging groundwaters. The deuterium deviations decrease along the flow path from discharge areas to streams, lakes and finally the Baltic Sea. Median values are -78 (precipitation), -85 (‘higher’ soil tubes), -81 (‘lower’ soil tubes), -74 (stream), -70 (lake) and -64 (sea).

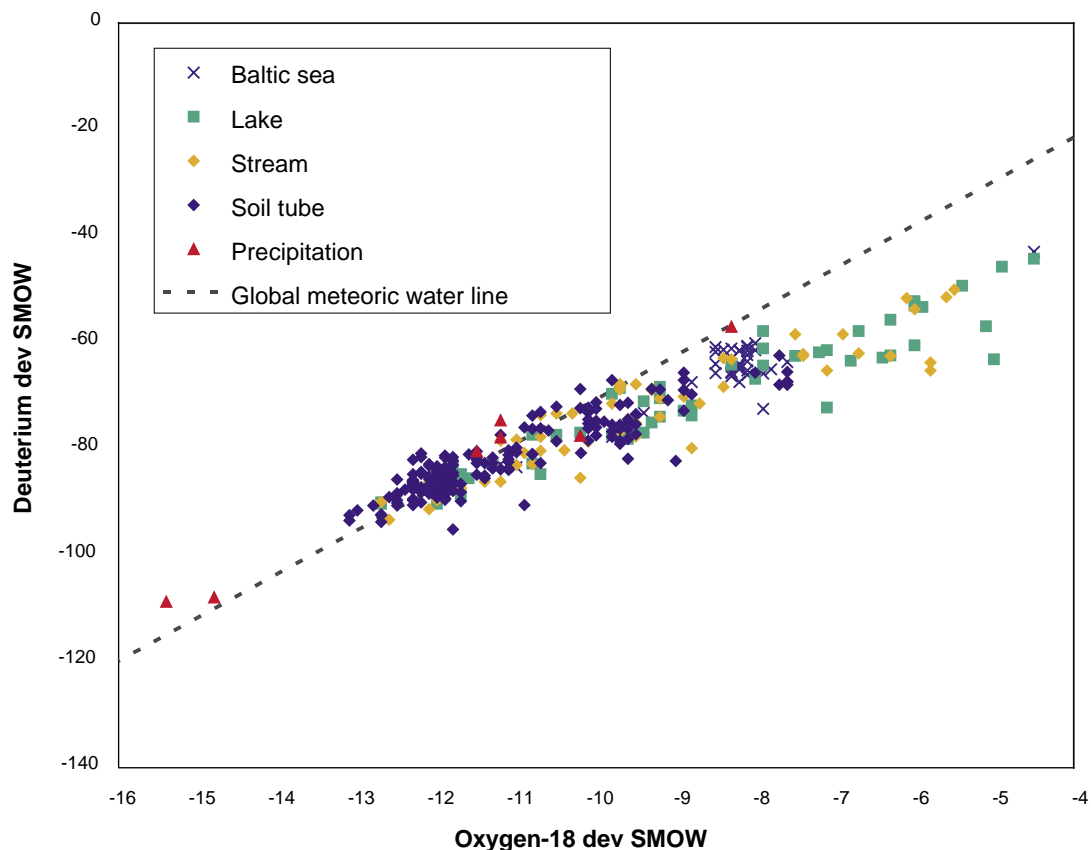


Figure 5-50. All soil tube and surface water data from the Forsmark area plotted at the GMWL.

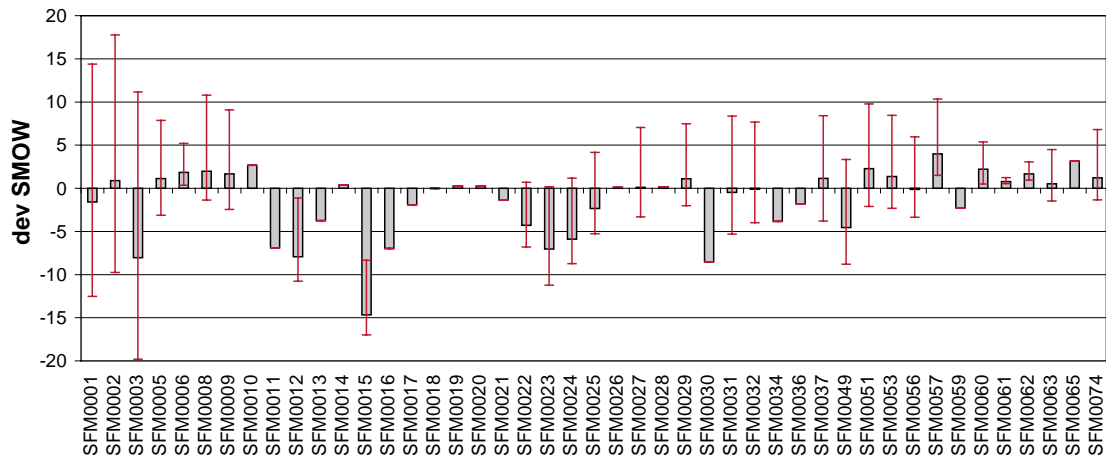


Figure 5-51. Deuterium excess – deviation from Global Meteoric Water Line $D = (8.2 \times O - 18 + 11.3)$ in soil tubes in the Forsmark area. Averages (bars), minimum and maximum values (whiskers).

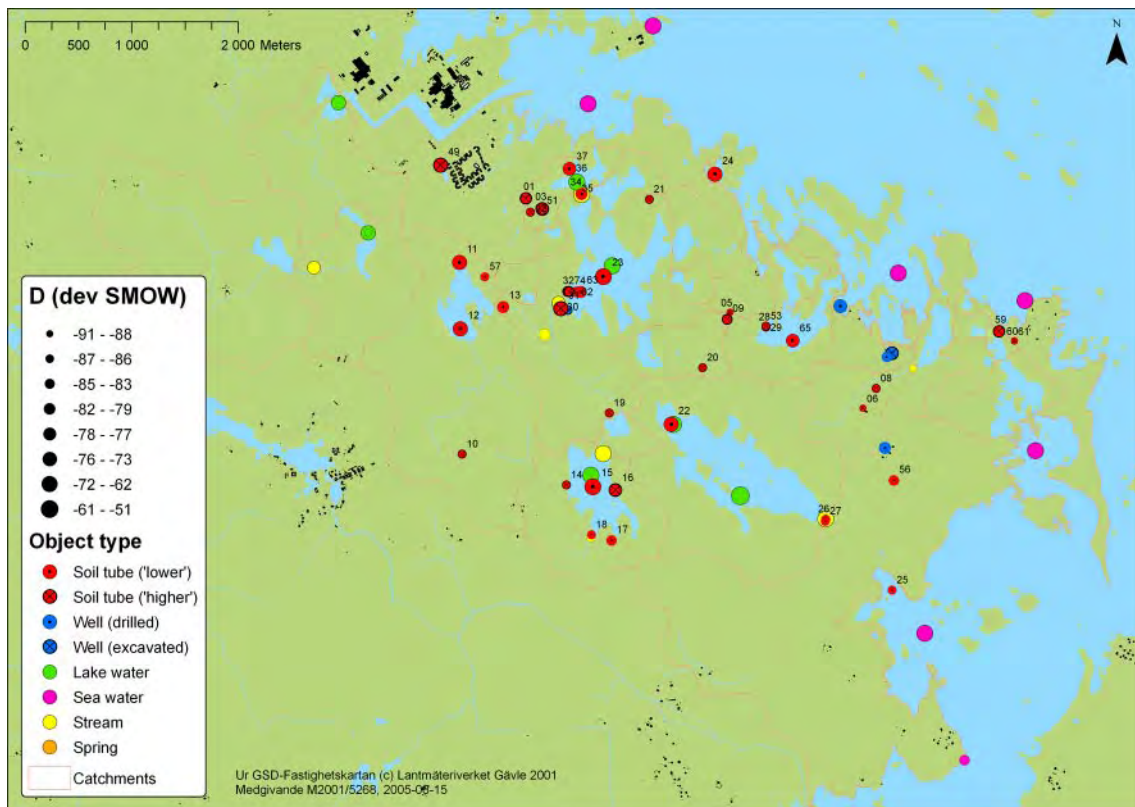


Figure 5-52. Deuterium deviations (% SMOW) in the Forsmark area. Almost exactly the same spatial pattern applies to Oxygen-18 as well. The dots represent mean values of all data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The *deuterium* deviations in shallow groundwater from the Forsmark area range from approximately -95‰ to -65‰ . Corresponding range for *oxygen-18* is -13‰ to -8‰ SMOW. The median deuterium deviation of the soil tubes is -84‰ SMOW, compared to -78‰ in the few observations from precipitation. Corresponding values for oxygen-18 are -12‰ and -11‰ , respectively. As there is a substantial seasonal variation for deuterium, the value of precipitation is rather uncertain since it is based on only a few observations (Figures 5-53 and 5-54).

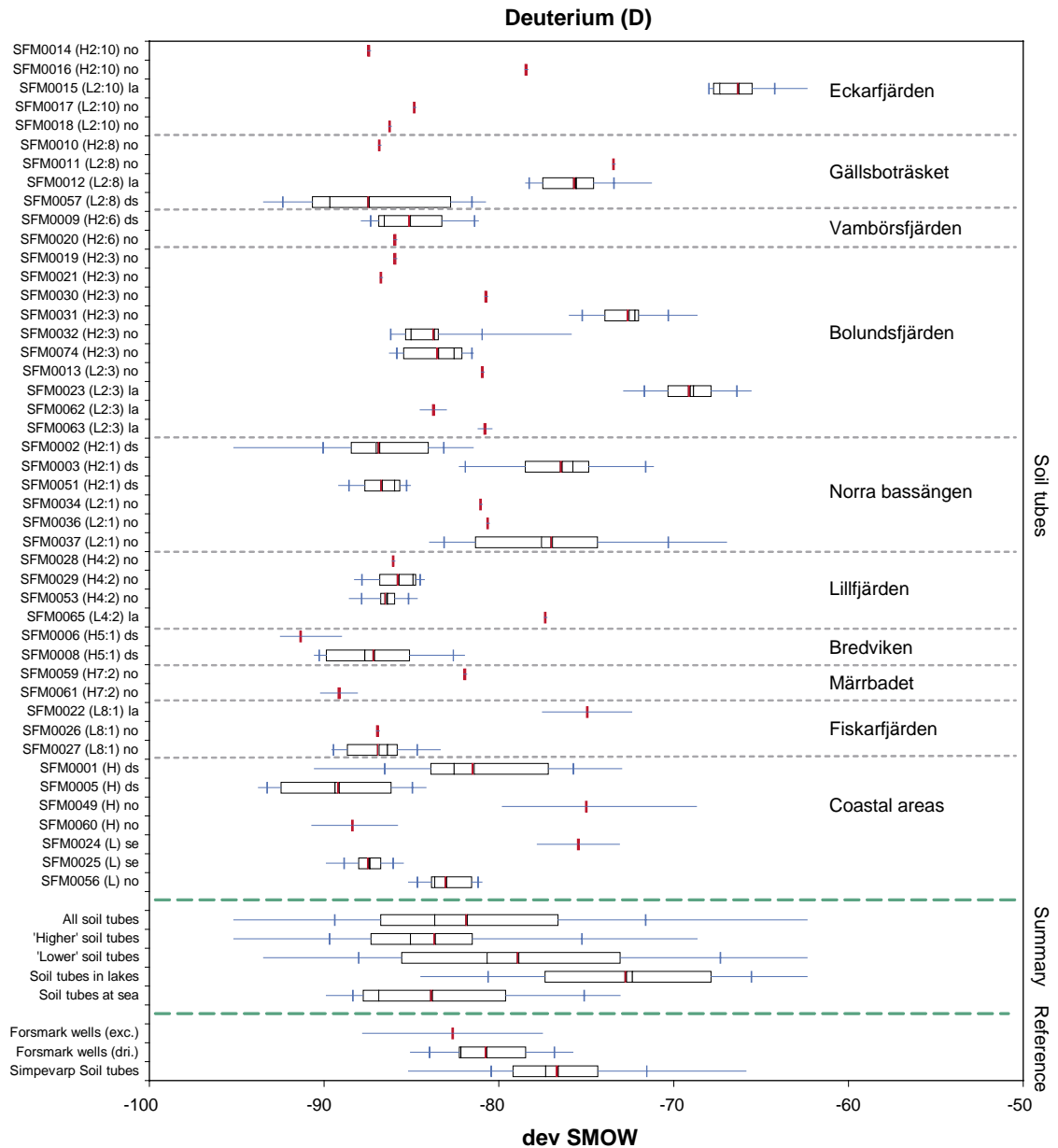


Figure 5-53. Deviation of deuterium in shallow groundwater in the Forsmark area (‰ SMOW). Explanations are given in Section 4.3.

Soil tubes at 'lower' levels usually show smaller variation compared to 'higher' located soil tubes, e.g. the soil tubes in till below the sediments of Lake Eckarfjärden and Lake Bolundsfjärden. This tendency applies to both deuterium and oxygen-18.

Deuterium shows larger variations compared to oxygen-18 when the distributions of individual soil tubes are compared in Figures 5-53 and 5-54. See also Section 5.9 for evaluation of seasonal variation and time-trends.

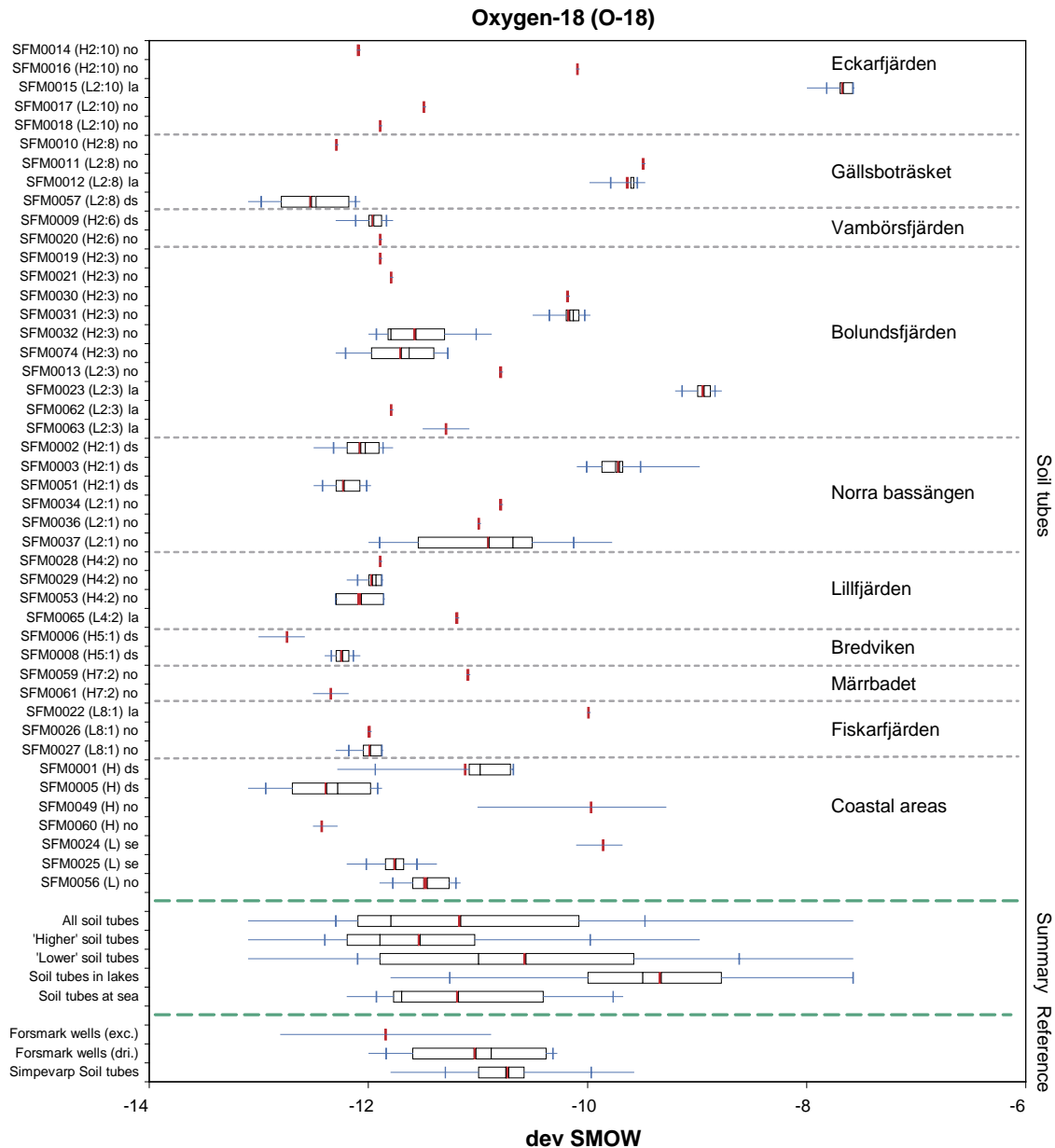


Figure 5-54. Deviation of oxygen-18 in shallow groundwater in the Forsmark area (‰ SMOW). Explanations are given in Section 4.3.

5.8.3 Tritium

Tritium is a radioactive isotope of hydrogen. Tritium is produced by cosmic radiation in the atmosphere in amounts corresponding to levels of 5–10 tritium units (TU). In the early sixties hydrogen bomb tests raised the levels to several thousands TU. Due to these two sources of tritium, and the half life of 12 years, it is possible to use tritium as a tracer for waters recharged within the past decades. High tritium levels indicate considerable components of recharge from 1960s or 1970s. Low levels on the other hand indicate sub modern waters recharged prior to 1952 when the bomb tests started /Kehew 2001/.

The tritium levels in most soil tubes range from 8–15 TU, an interval that overlap the range of surface waters and precipitation which are approximately 8–16 TU (Figure 5-55).

In a few soil tubes low tritium values corresponding to sub modern levels have been observed. Of these are SFM0011, SFM0012, SFM0015, SFM0022, SFM0023 located in till below lake sediments, SFM0010 and SFM0056 are located at higher topographical levels (Figure 5-56).

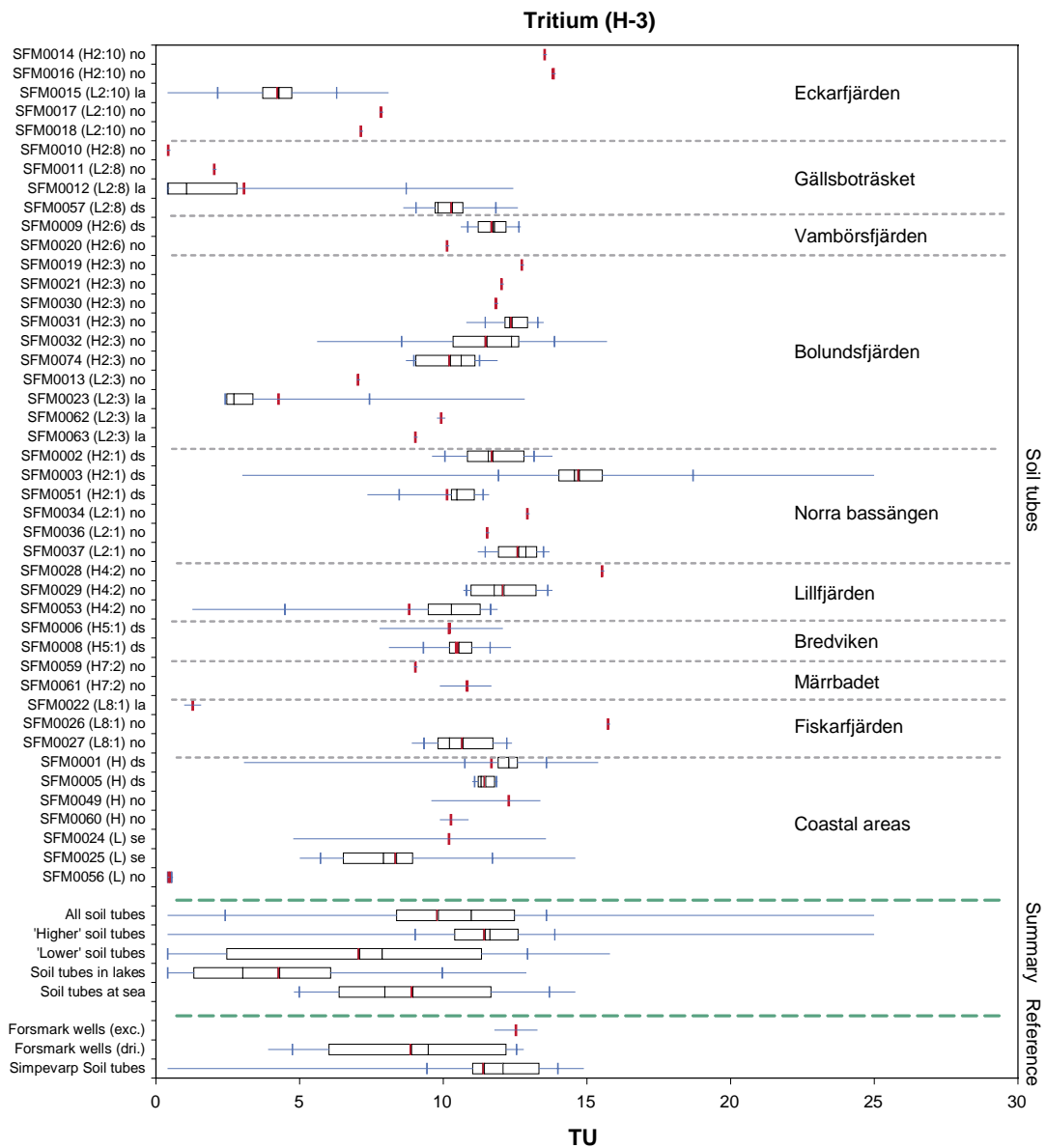


Figure 5-55. Tritium levels in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

In SFM0003 the variation is especially large just after mounting of the tube indicating that there could have been some bomb tritium present. This tube is located at drill site 1, north-west of Lake Bolundsfjärden (Figure 5-57).

5.8.4 Isotopes of carbon (C-13, C-14)

The isotope ratios of stable carbon-13 and carbon-12, and the content radioactive carbon-14, are here used to evaluate sources and evolution of carbon species in shallow groundwaters and surface waters. The amounts of dissolved inorganic and organic carbon species are summarised in Section 5.4.

When the radioactive carbon-14 content (expressed as percent modern carbon) is plotted versus the stable carbon isotope ratio (expressed as $\delta^{13}\text{C}$ ‰ PDB) four distinct groups are formed. Most soil tubes show carbon-14 values below 100 percent modern carbon, whereas most surface waters exceed 100 percent. The stable isotope carbon-13 discriminates these soil tubes in three different groups (Figure 5-58).

The uppermost group consists of the soil tube SFM0015 in Lake Eckarfjärden where positive values of carbon-13 and slightly more than 80 percent modern carbon are observed.

The leftmost group consists of the soil tubes SFM0012, SFM0023 and SFM0025 that shows low values of carbon-14 and about 50% modern carbon.

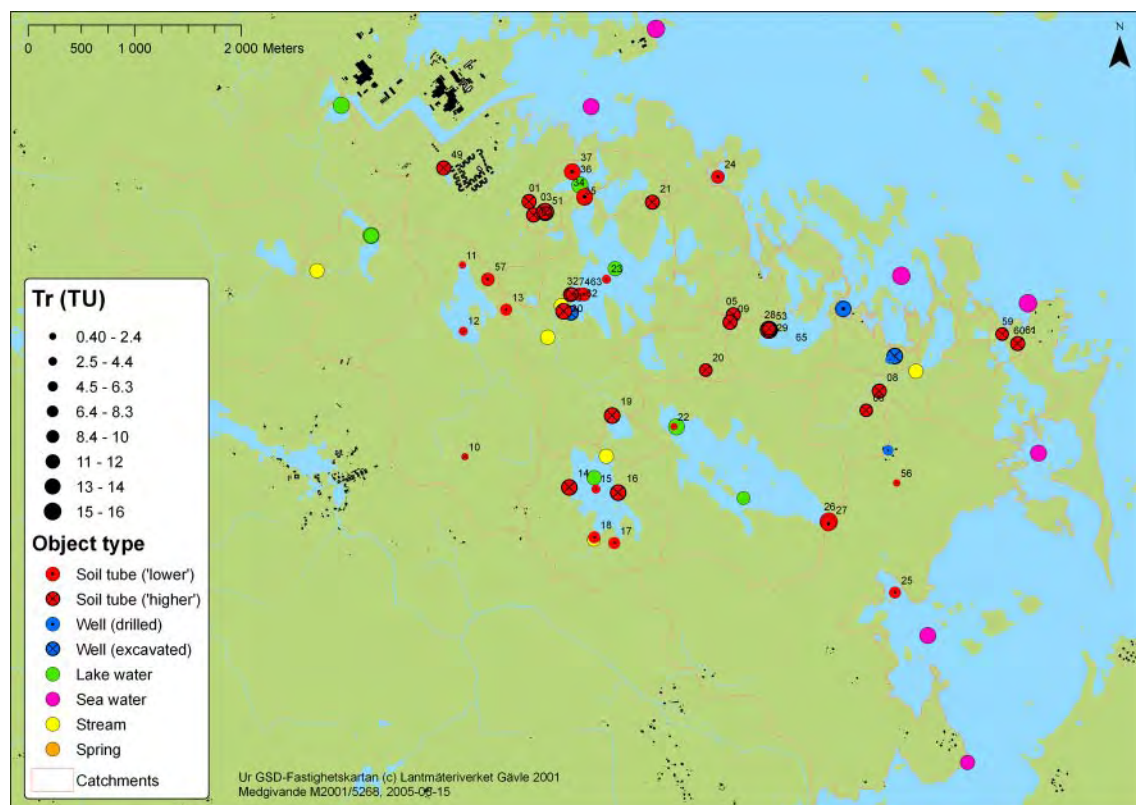


Figure 5-56. Tritium levels (TU) in the Forsmark area. The dots represent mean values of all data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

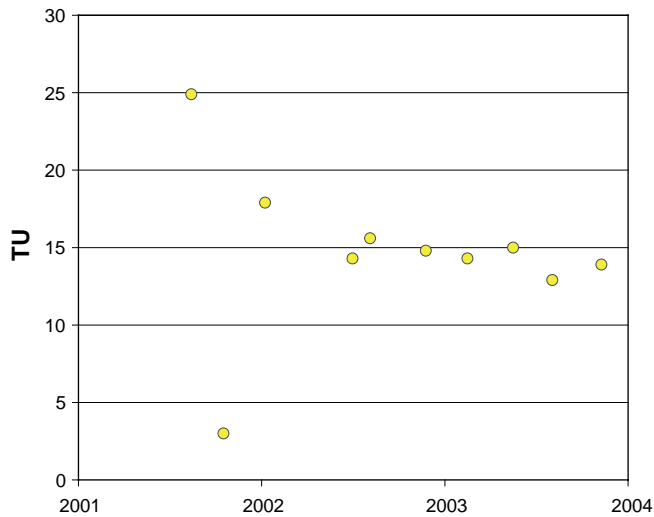


Figure 5-57. Tritium level in the soil tube SFM0003.

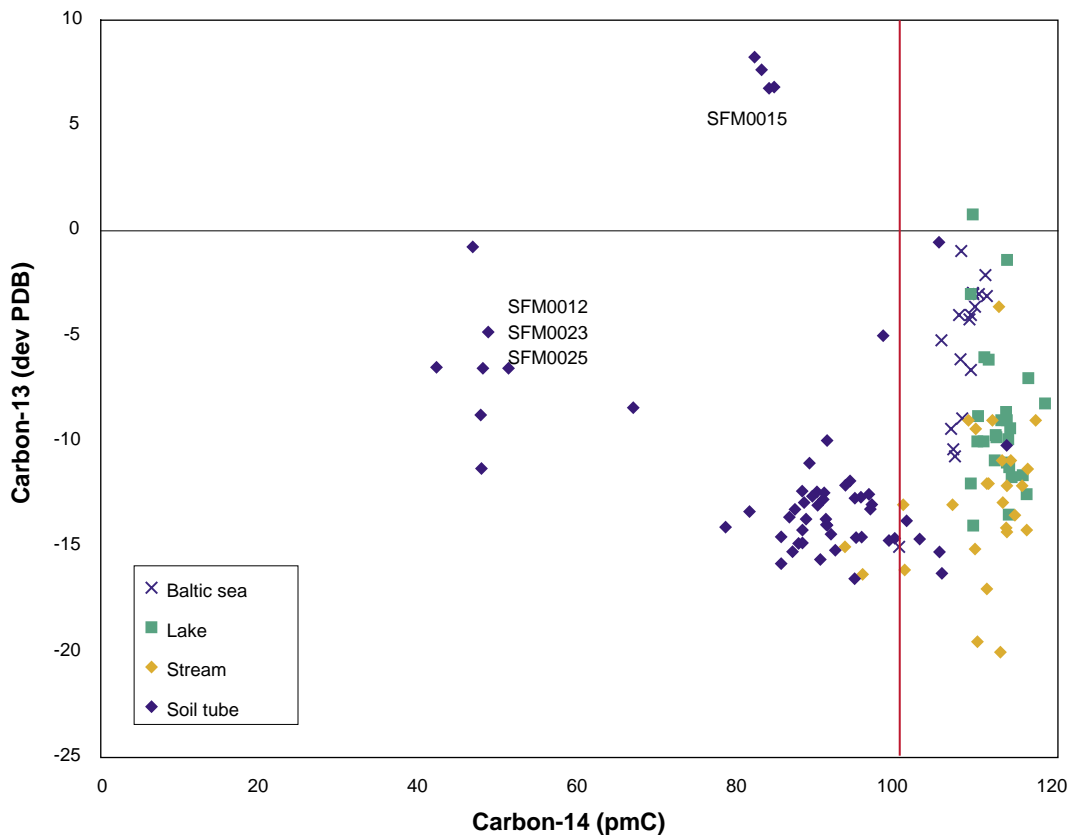


Figure 5-58. Content of carbon-14 (percent modern carbon) versus the carbon-13 ratio ($\delta^{13}C$ ‰ PDB) in soil tubes in the Forsmark area.

In the third group the content modern carbon is ranging from 80–90 pmC, whereas the carbon-13 values are generally between –15‰ and –10‰, indicating a dominantly biogenic carbon source.

Figures 5-59 and 5-60 show the distributions and spatial patterns of carbon-13 and carbon-14 for individual soil tubes.

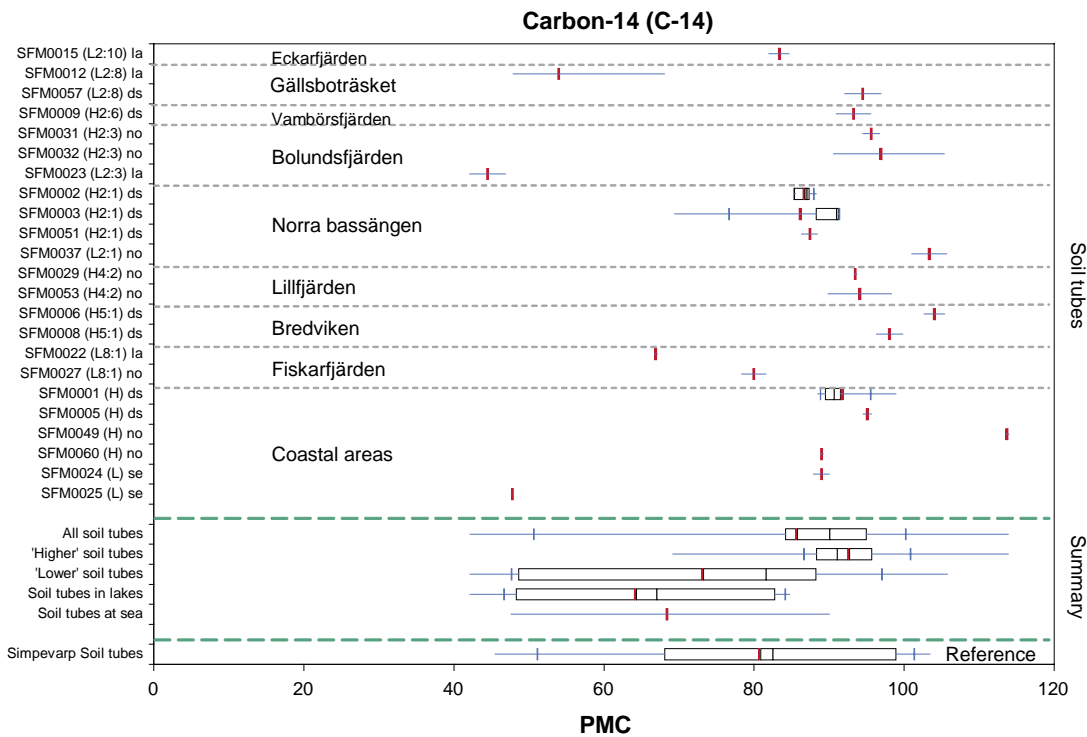
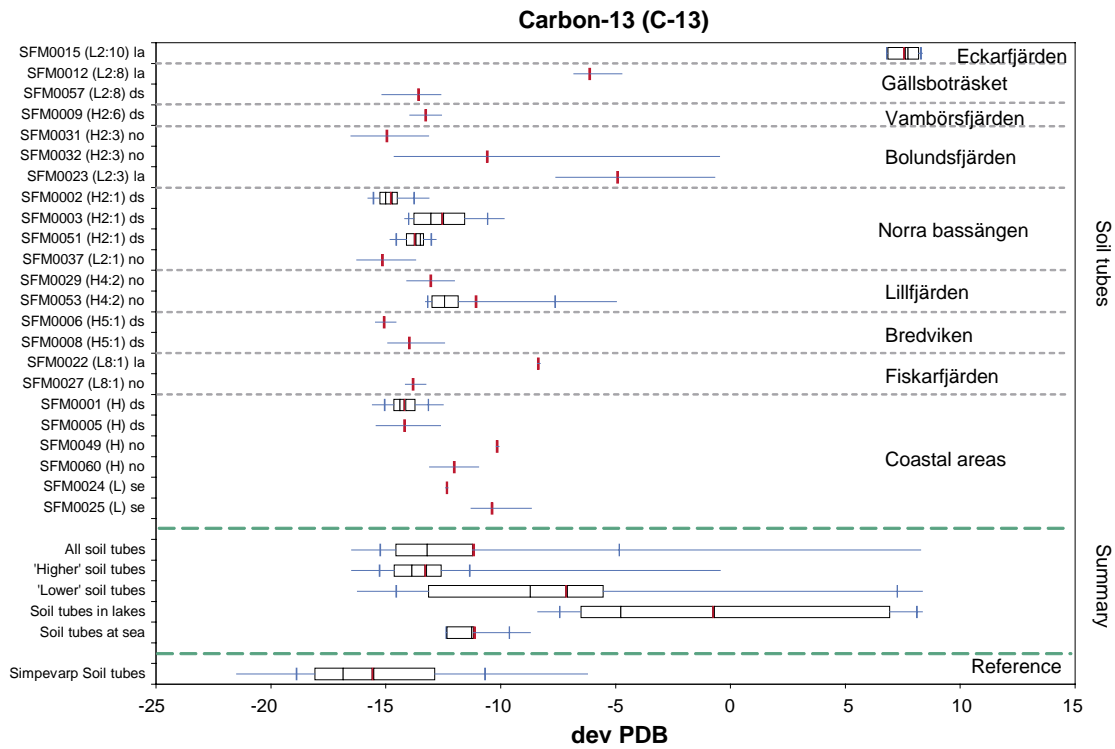


Figure 5-59. Stable carbon-13 (upper) expressed as C-13 deviations from the PDB-reference ($\delta^{13}\text{C} \text{‰ PDB}$), and radio carbon-14 content expressed as percent modern carbon (lower) in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

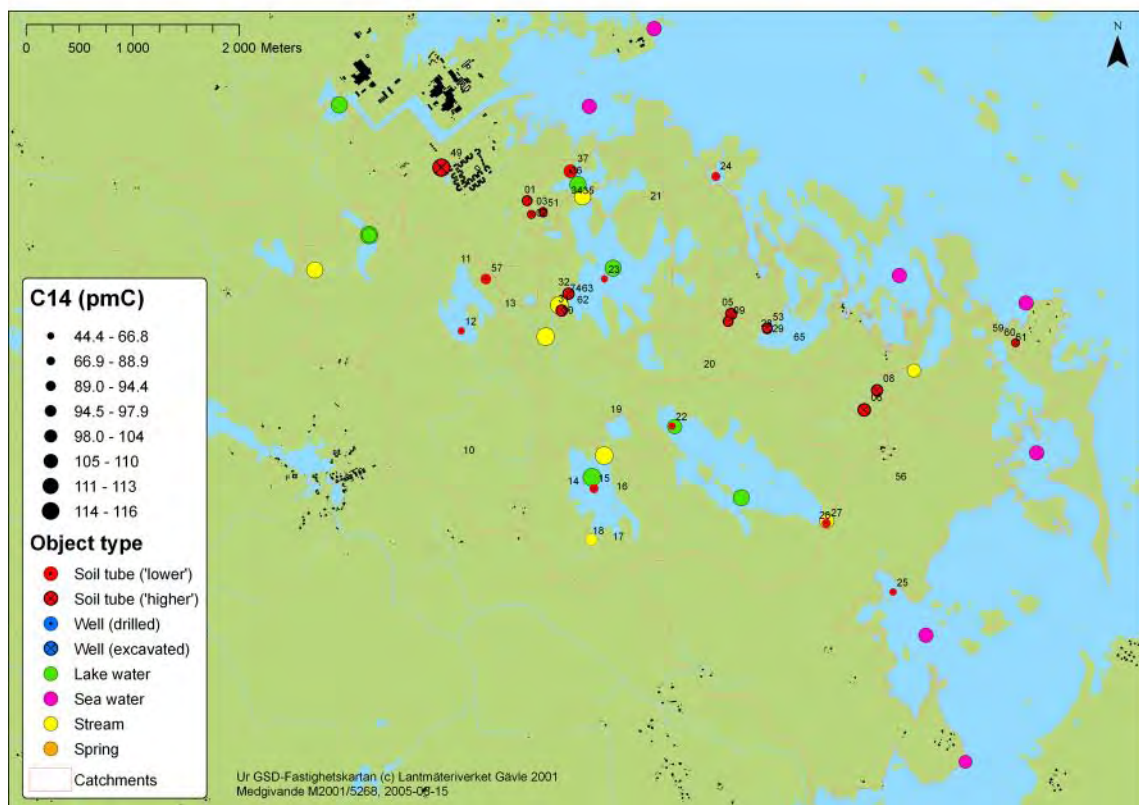
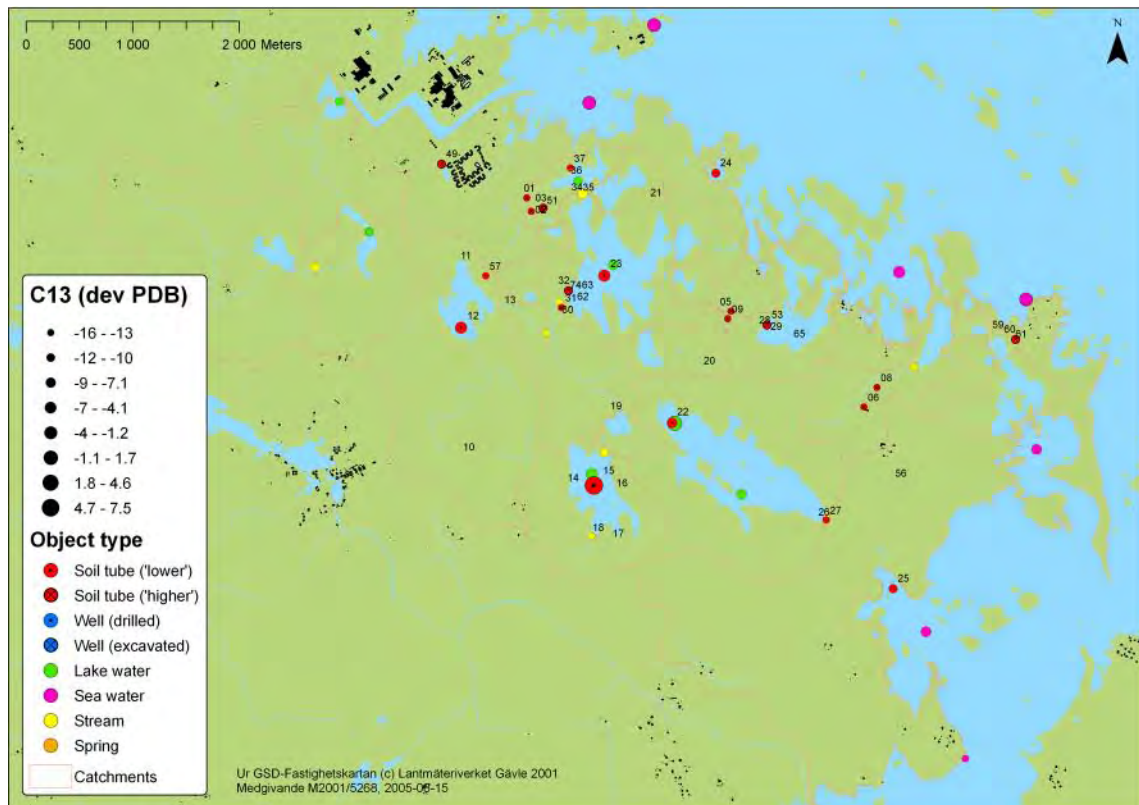


Figure 5-60. Deviations of carbon-13 (upper) and content of carbon-14 (lower) in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

5.8.5 Isotopes of boron, chlorine, sulphur and strontium

In this section stable isotopes of boron, chlorine, sulphur and strontium are compiled. These isotopes are useful in determining sources of mixing components, geochemical water-rock interactions and biochemical processes.

In Table 5-10 the median values are summarised per soil tube and category. In Figures 5-62 to 5-66 the statistical distributions and spatial variations are displayed per isotope.

Table 5-10. Median values for isotopes of boron, chlorine, sulphur and strontium in water samples from soil tubes in the Forsmark area. Boron and strontium are expressed both as absolute ratios, and as ‰ deviations from natural abundance ratios. The isotopes of chlorine and sulphur are expressed as ‰ deviations from international standards (SMOC and CDT, respectively).

| Idcode | Catchment | | H | B-10/B-11 | | Cl-37 | S-34 | Sr-87/Sr-86 | |
|---------------------|-----------------|------|---|-----------|---------|--------|--------|-------------|-------|
| | | | | ratio | ‰ 0.248 | | | ‰ SMOC | ‰ CDT |
| SFM0001 | Coastal area | | H | 0.2380 | -40 | 0.25 | 4.45 | 0.7210 | 15.5 |
| SFM0002 | Norra bassängen | 2:1 | H | 0.2418 | -25 | -0.29 | 7.10 | 0.7222 | 17.2 |
| SFM0003 | Norra bassängen | 2:1 | H | 0.2415 | -26 | 0.23 | 0.650 | 0.7247 | 20.7 |
| SFM0005 | Coastal area | | H | 0.2436 | -18 | -0.11 | 0.500 | 0.7231 | 18.5 |
| SFM0006 | Bredviken | 5:1 | H | 0.2454 | -10 | -0.18 | -5.35 | 0.7224 | 17.5 |
| SFM0008 | Bredviken | 5:1 | H | 0.2397 | -34 | 0.080 | -5.10 | 0.7271 | 24.1 |
| SFM0009 | Vambörsfjärden | 2:6 | H | 0.2446 | -14 | -0.070 | -3.20 | 0.7245 | 20.4 |
| SFM0012 | Gällsboträsket | 2:8 | L | 0.2370 | -45 | 0.17 | 29.3 | 0.7222 | 17.1 |
| SFM0015 | Eckarfjärden | 2:10 | L | 0.2374 | -43 | 1.2 | | 0.7127 | 3.83 |
| SFM0022 | Fiskarfjärden | 8:1 | L | 0.2408 | -29 | -0.67 | 18.5 | 0.7173 | 10.3 |
| SFM0023 | Bolunds-fjärden | 2:3 | L | 0.2376 | -42 | 0.095 | 27.8 | 0.7250 | 21.2 |
| SFM0024 | Coastal area | | L | 0.2390 | -36 | 0.040 | 16.4 | 0.7139 | 5.44 |
| SFM0025 | Coastal area | | L | 0.2385 | -38 | -0.32 | 16.7 | 0.7186 | 12.1 |
| SFM0027 | Fiskarfjärden | 8:1 | L | 0.2403 | -31 | -0.54 | 2.05 | 0.7375 | 38.8 |
| SFM0029 | Lillfjärden | 4:2 | H | 0.2407 | -29 | -0.14 | -6.30 | 0.7249 | 21.0 |
| SFM0031 | Bolunds-fjärden | 2:3 | H | 0.2421 | -24 | -0.070 | -10.1 | 0.7271 | 24.1 |
| SFM0032 | Bolunds-fjärden | 2:3 | H | 0.2401 | -32 | -0.22 | 0.750 | 0.7265 | 23.3 |
| SFM0037 | Norra bassängen | 2:1 | L | 0.2407 | -30 | 0.12 | -2.15 | 0.7186 | 12.1 |
| SFM0049 | Coastal area | | H | 0.2416 | -26 | -0.48 | 22.3 | 0.7229 | 18.2 |
| SFM0051 | Norra bassängen | 2:1 | H | 0.2450 | -12 | -0.025 | | 0.7236 | 19.1 |
| SFM0053 | Lillfjärden | 4:2 | H | 0.2448 | -13 | 0.21 | | 0.7247 | 20.8 |
| SFM0056 | Coastal area | | L | 0.2417 | -25 | 0.33 | | | |
| SFM0057 | Gällsboträsket | 2:8 | L | 0.2408 | -29 | -0.28 | 18.8 | 0.7194 | 13.3 |
| SFM0059 | Märrbadet | 7:2 | H | 0.2395 | -34 | | | | |
| SFM0060 | Coastal area | | H | 0.2447 | -13 | -0.11 | -4.90 | 0.7267 | 23.6 |
| SFM0061 | Märrbadet | 7:2 | H | 0.2426 | -22 | | | | |
| SFM0062 | Bolunds-fjärden | 2:3 | L | 0.2500 | 8.1 | | | | |
| SFM0063 | Bolunds-fjärden | 2:3 | L | 0.2446 | -14 | | | | |
| SFM0074 | Bolunds-fjärden | 2:3 | H | 0.2481 | 0.20 | | | | |
| 'Higher' soil tubes | | | H | 0.2423 | -23 | -0.070 | -0.500 | 0.7247 | 21 |
| 'Lower' soil tubes | | | L | 0.2392 | -36 | | 16.9 | 0.7192 | 13 |
| All soil tubes | | | | 0.2408 | -29 | -0.050 | 1.10 | 0.7241 | 20 |

In Table 5-9 the correlations among the isotopes and calcium, bicarbonate, chloride, sulphate and strontium are shown as a Pearson correlation matrix. In Figure 5-60 the most orthogonal (isotopes with least correlation) are plotted pair wise in order to discriminate individual observations of soil tubes in respect to these parameters. There is not necessarily a process based connection between the pairs selected, as the only motive for the pairs selected was the correlations calculated in Table 5-11. The strongest correlations among the isotopes are found for sulphur-34 and strontium-87 (−0.39) and chlorine-37 and boron-10 (−0.29).

Table 5-11. Correlation (Pearson) matrix for isotopes of sulphur, chlorine, strontium, boron, and a selection of major elements in soil tubes in the Forsmark area. Values in bold are significant ($p < 0.05$). The correlation analysis is based on all complete observations from soil tubes in Forsmark (n = 72).

| | | Ca | HCO ₃ | Cl | SO ₄ | Sr | S-34 | Cl-37 | Sr-87 | B-10 |
|--------------|------------------|--------------|------------------|--------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Calcium | Ca | 1 | −0.56 | 0.88 | 0.76 | 0.90 | 0.52 | 0.08 | −0.31 | 0.00 |
| Bicarbonate | HCO ₃ | −0.56 | 1 | −0.52 | −0.18 | −0.49 | −0.41 | 0.28 | 0.12 | −0.17 |
| Chloride | Cl | 0.88 | −0.52 | 1 | 0.85 | 0.87 | 0.70 | 0.13 | −0.26 | −0.06 |
| Sulphate | SO ₄ | 0.76 | −0.18 | 0.85 | 1 | 0.79 | 0.44 | 0.33 | −0.32 | −0.10 |
| Strontium | Sr | 0.90 | −0.49 | 0.87 | 0.79 | 1 | 0.59 | 0.03 | −0.28 | −0.04 |
| Sulphur-34 | S-34 | 0.52 | −0.41 | 0.70 | 0.44 | 0.59 | 1 | −0.01 | −0.39 | −0.14 |
| Chlorine-37 | Cl-37 | 0.08 | 0.28 | 0.13 | 0.33 | 0.03 | −0.01 | 1 | −0.27 | −0.29 |
| Strontium-87 | Sr-87/Sr-86 | −0.31 | 0.12 | −0.26 | −0.32 | −0.28 | −0.39 | −0.27 | 1 | 0.07 |
| Boron-10 | B-10/B-11 | 0.00 | −0.17 | −0.06 | −0.10 | −0.04 | −0.14 | −0.29 | 0.07 | 1 |

There is a strong positive correlation between strontium, chloride and sulphate. Sulphur-34 is positively correlated to this group and strontium-87 negatively correlated. Bicarbonate is negatively correlated to calcium, chloride and sulphate.

In the uppermost plot of Figure 5-61, that shows sulphur-34 versus boron-10, most soil tubes form a diffuse cluster to the left. In the right part of the figure the soil tubes located in till below lake and sea sediments (SFM0012, SFM0022, SFM0023, SFM0024, SFM0025) and SFM0057 near Lake Gällsboträsket are clustered. In these tubes are sulphur-34 enriched and boron-10 depleted in most observations.

In the lower plot of Figure 5-61, that shows strontium-87 versus chlorine-37, most soil tubes cluster in the middle of the plot, except for SFM0027 located near the outlet of Lake Fiskarfjärden. This soil tube, where strontium-87 is enriched and chlorine-37 is somewhat depleted, is drilled in a thick till layer, whereas the soil tubes found in the left part of Figure 5-61 are drilled through sediments near the coast (SFM0024, SFM0025 and SFM0037).

The **boron-10/boron-11** ratios found in the Forsmark area are slightly lower than the ratio of natural abundances. The median ratio of the soil tubes in Forsmark is 0.240 compared to 0.248 in natural abundance /Clark and Fritz 1997/. The median ratio measured in the soil tubes of the Simpevarp area are 0.243 (Figure 5-63).

The ratios found in lake, stream and especially sea water are generally lower (median values 0.237–0.239) than the ratios found shallow groundwaters (Figure 5-62).

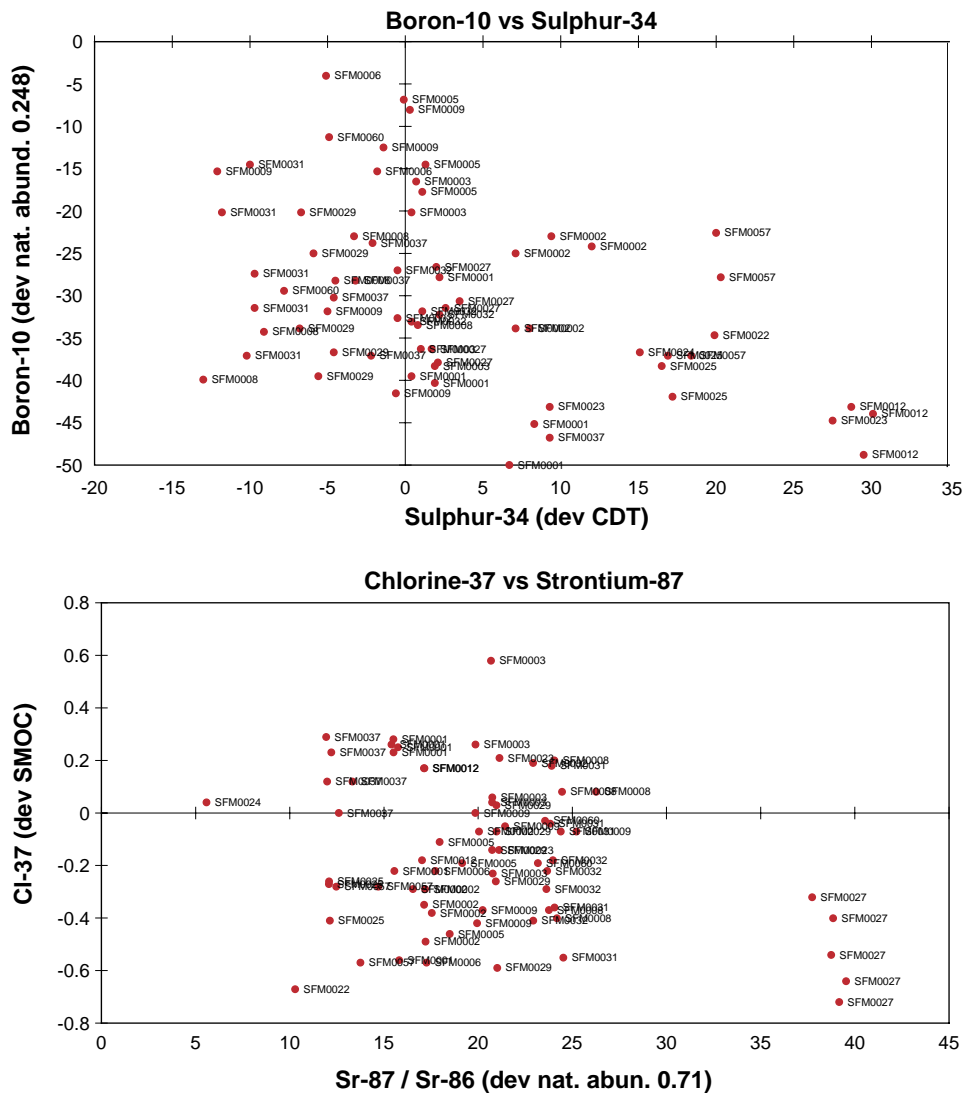


Figure 5-61. Sulphur-34 versus Boron-10 (upper) and Strontium-87 versus Chlorine-37 (lower) in soil tubes in the Forsmark area. Individual observations plotted as % deviations from international standards (S-34 and Cl-37) or natural abundance ratio (Sr-87 and B-10).

Boron-10 is most depleted in the soil tubes located in till below the sediments of lakes and sea, e.g. SFM0012, SFM0015, SFM0023, SFM0024 and SFM0025. In the soil tubes SFM0074, SFM0062 (SFM0032), all located in the catchment of Lake Bolundsfjärden, boron-10 are most enriched (Figure 5-63).

A few observations in SFM0001, SFM0002 and SFM0003, all located at drill site 1, show highly depleted boron-10 ratios, maybe indicating some sort of error. Similar highly deviating ratios are also reported for lakes, streams and sea water in the Forsmark area, but not from the Simpevarp area.

The **chlorine-37/chlorine-35** ratios found in the Forsmark area are centred on the international standard, indicating an average ratio of about 0.324 (SMOC). The ratio of natural abundances are 0.320 /Clark and Fritz 1997/.

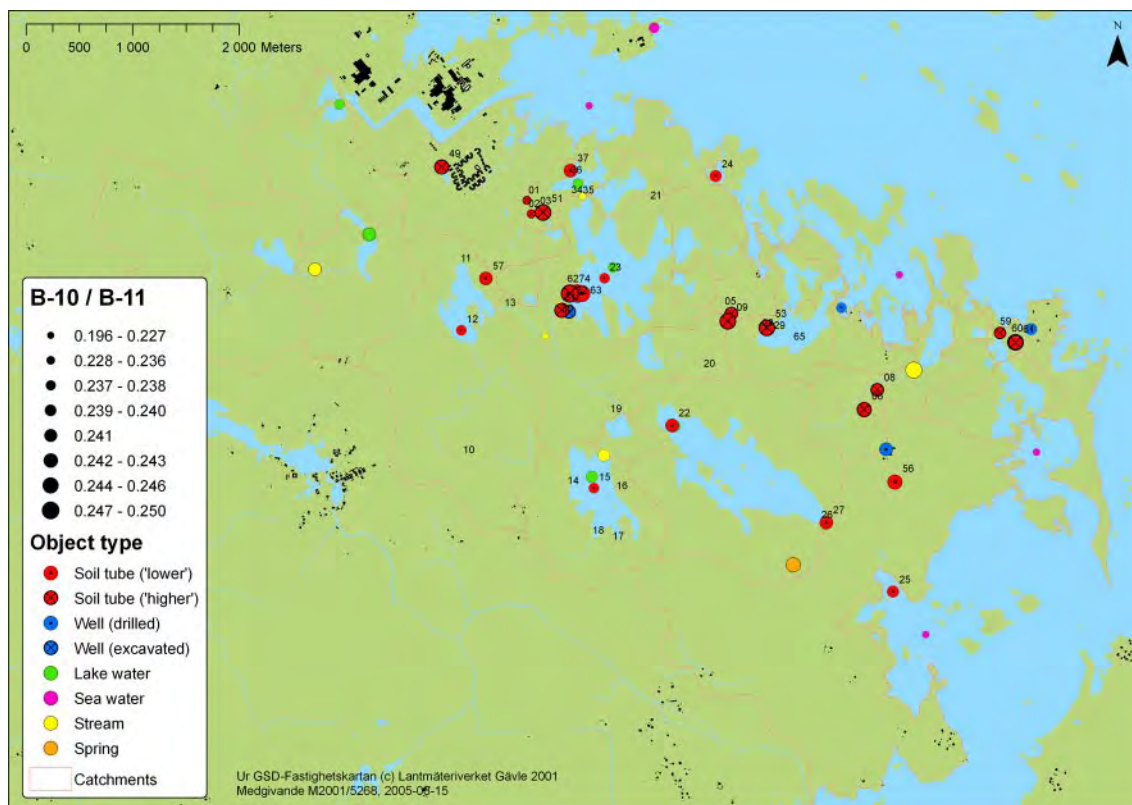


Figure 5-62. Ratio of Boron-10/Boron-11 in the Forsmark area. The dots represent mean values of available data from soil tubes, private wells and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes.

The soil tubes of catchment Fiskarfjärden are most depleted in chlorine-37 (SFM0022 and SFM0027). Soil tubes located in till below lake sediments of Lake Eckarfjärden, Lake Gällsboträske and Lake Bolundsfjärden (SFM0015, SFM0012, SFM0023) are most enriched on chlorine-37. Also SFM0056, that is not located in a lake, show some enrichment of chlorine-37 (Figure 5-64).

There is a tendency that streams draining topographic higher areas show some enrichments of chlorine-37. The conclusions on chlorine-37 are rather uncertain, as a substantial part of the variation in the Forsmark area are within the analytical error of $\pm 0.2 \text{ ‰}$.

The recorded values of **sulphur-34** in shallow groundwater vary within a wide range between -17‰ to 41‰ CDT, indicating different sources of dissolved sulphate. Surface waters from lakes and streams range between -10‰ and 10‰ CDT, with most of the samples between 2‰ and 8‰ CDT. All measurements of sea water are very close to 20‰ CDT (Figure 5-65).

Sulphur-34 is enriched in the soil tubes located in till below lake sediments (SFM0012, SFM0022, SFM0023, SFM0024, SFM0025), showing values significantly exceeding 20‰ CDT (sea water). Also SFM0057 and SFM0049 show enriched sulphur-34 values.

A number of 'higher' located soil tubes are depleted in sulphur-34 (e.g. SFM0008, SFM0009, SFM0031, SFM0060), showing values well below 0‰ CDT. Soil tubes at 'lower' locations range from -10‰ to 10‰ CDT, similar to values measured in the surface waters.

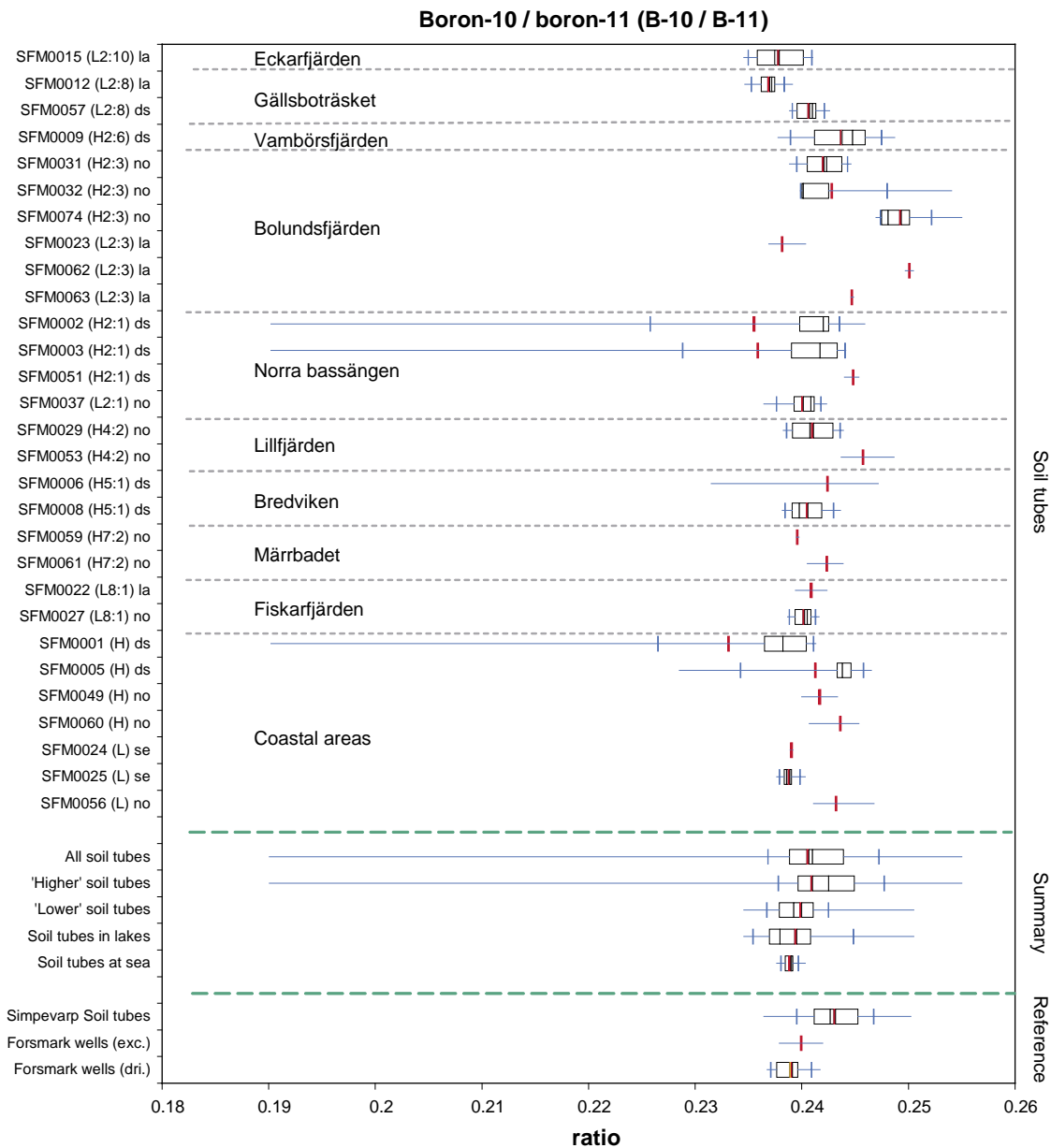


Figure 5-63. Boron-10/boron-11 ratio in shallow groundwater in the Forsmark area. Explanations are given in Section 4.3.

Strontium-87 is generally enriched relative the natural abundance ratio by 5‰ to 40‰. The recorded ratio in Forsmark soil tubes ranges from 0.712 to 0.738, compared to the natural abundance ratio of 0.712 (Sr-87/Sr-86). The median ratio of Forsmark (0.724) is slightly higher than the median ratio of Simpevarp (0.719).

The spatial distribution patterns for strontium-87 differ to most patterns observed for other isotopes, as well as major and minor constituents. Strontium-87 is least enriched in SFM0015, SFM0024 and SFM0022. The highest enrichments are found for SFM0027, located near the outlet of Lake Fiskarfjärden. The thickness of the overburden and the depth of the soil tube are high for SFM0027 (Figure 5-66).

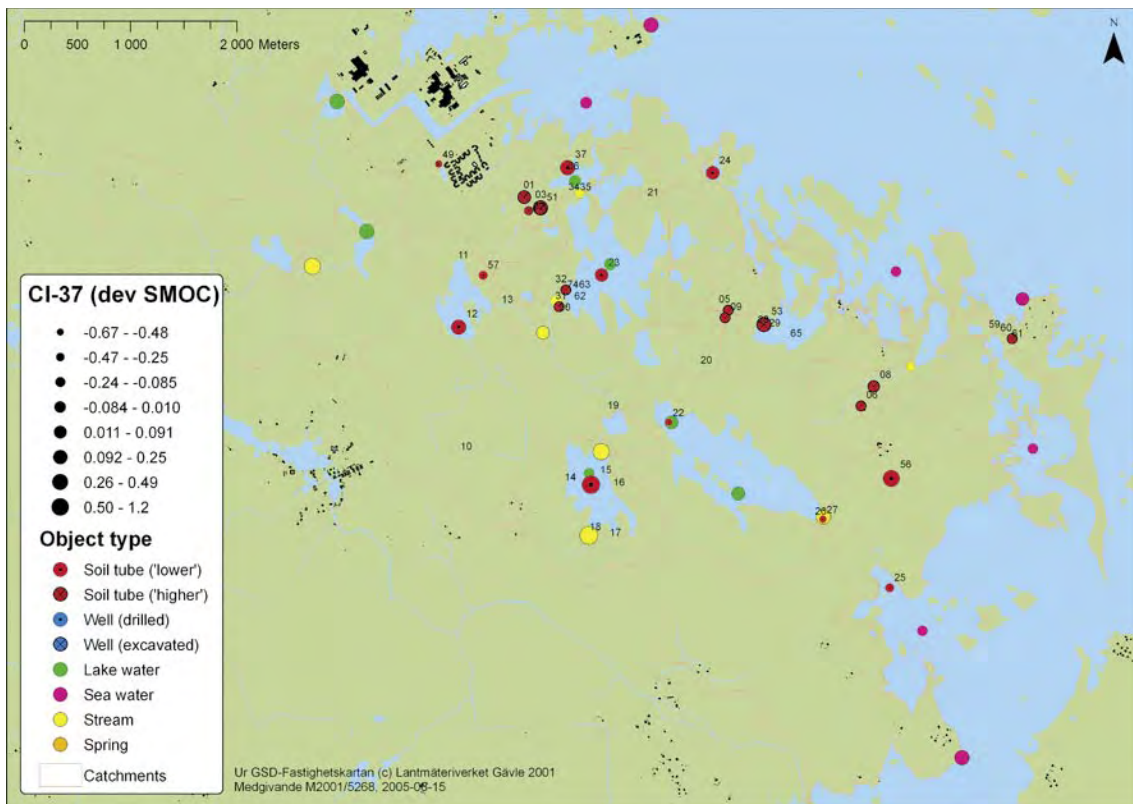
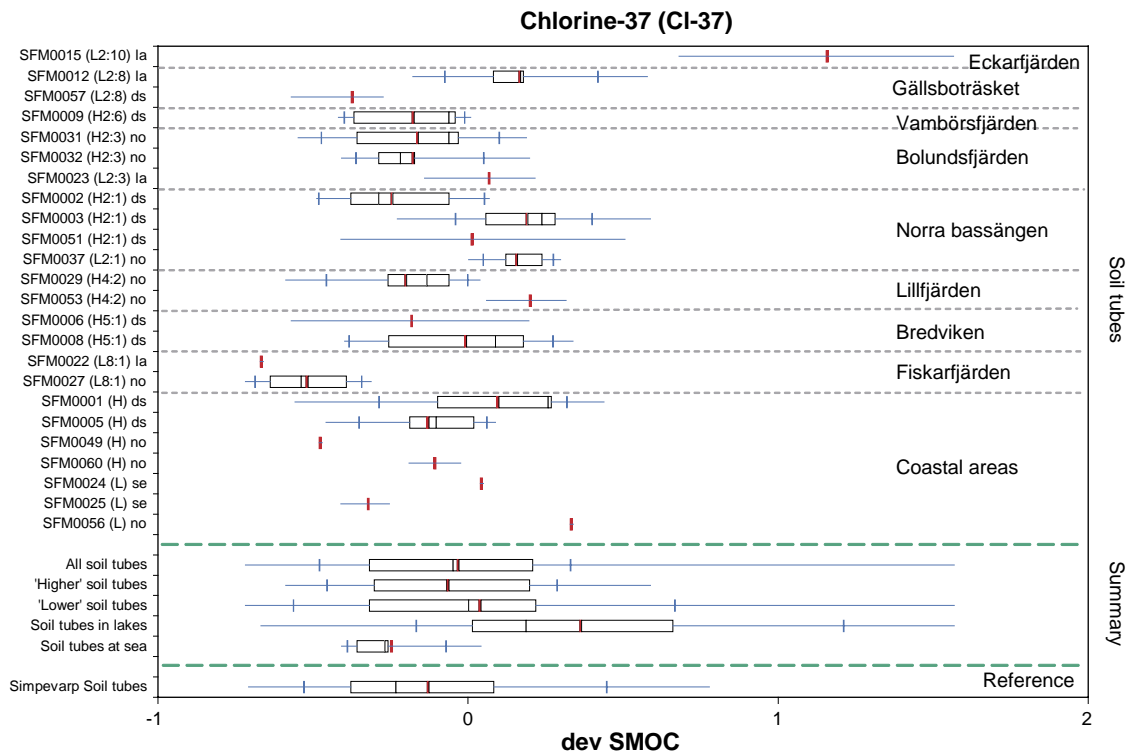


Figure 5-64. Chlorine-37 ratios in the Forsmark area. Distributions for individual soil tubes are shown as box-plots (upper) and spatial pattern (lower) for mean values of shallow groundwater and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes. Explanations are given in Section 4.3.

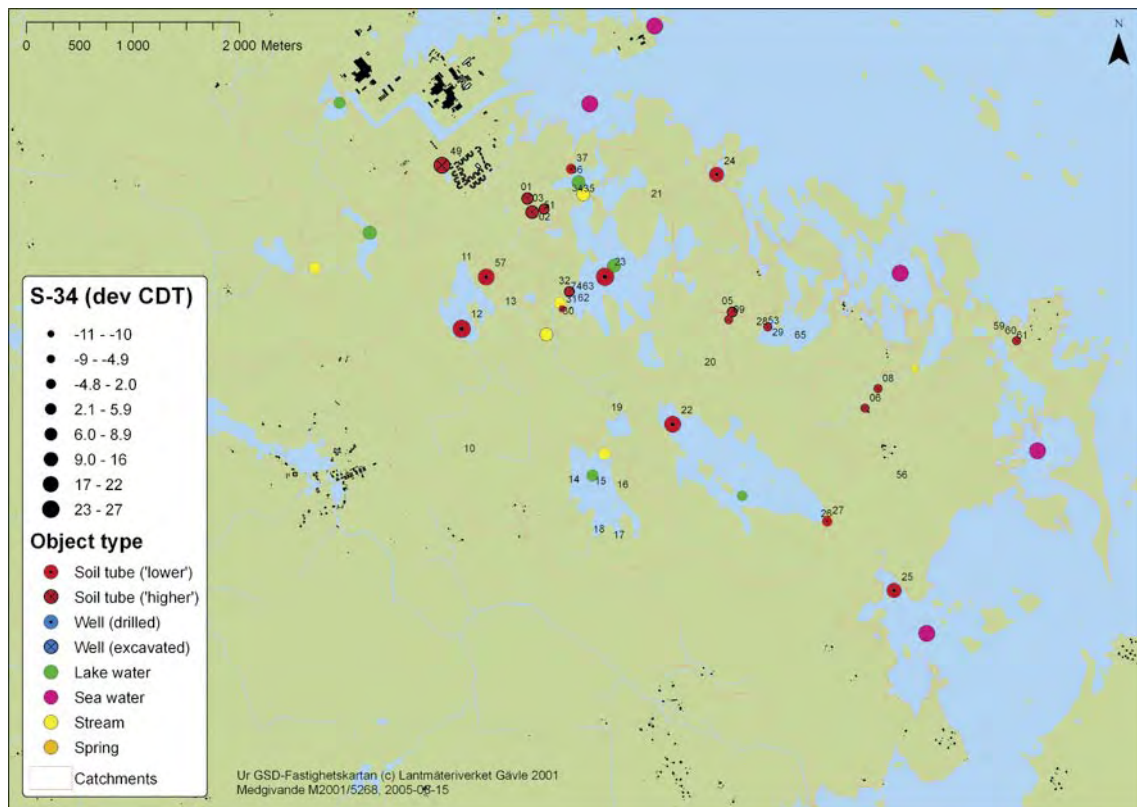
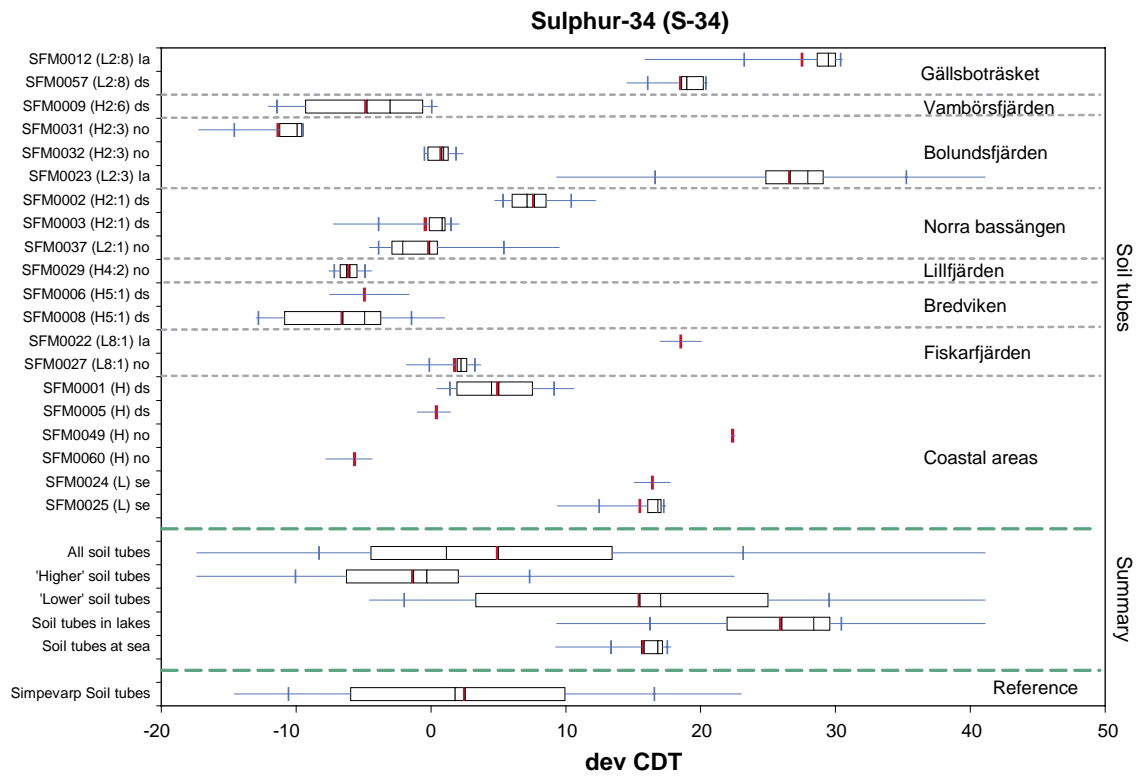


Figure 5-65. Sulphur-34 ratios in the Forsmark area. Distributions for individual soil tubes are shown as box-plots (upper) and spatial pattern (lower) for mean values of shallow groundwater and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes. Explanations are given in Section 4.3.

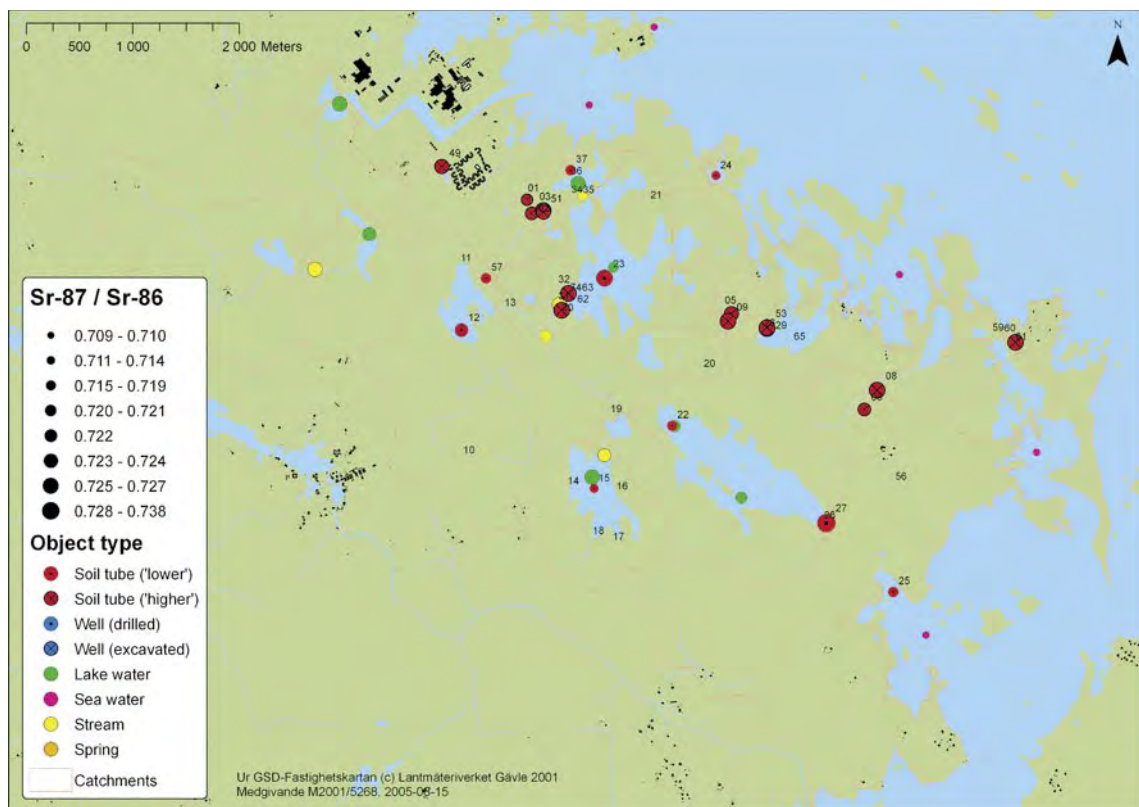
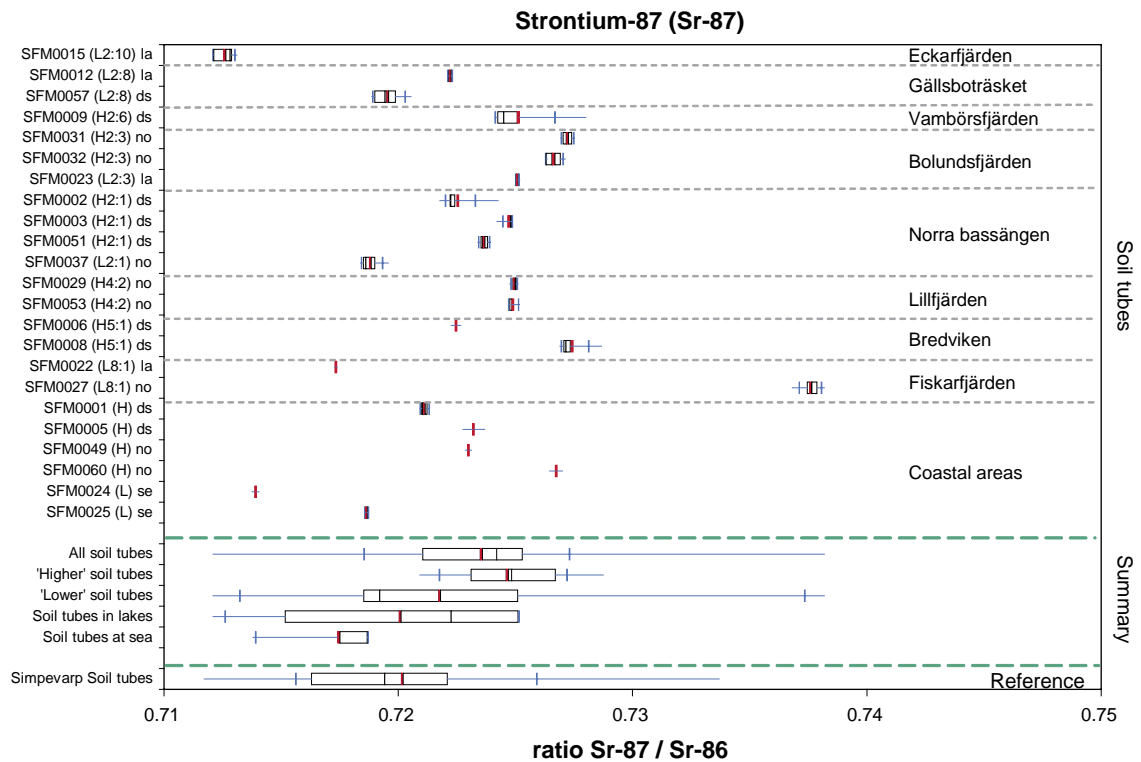


Figure 5-66. Strontium-87 ratios in the Forsmark area. Distributions for individual soil tubes are shown as box-plots (upper) and spatial pattern (lower) for mean values of shallow groundwater and surface waters. The figures in black corresponds to the last two digits of the id-codes of the soil tubes. Explanations are given in Section 4.3.

5.8.6 Isotopes of uranium, thorium, radium and radon

In this section the radioactive isotopes of uranium, thorium, radium and radon are compiled. Table 5-12 summarises data available from soil tubes in the Forsmark area. Data from private wells in Sweden are used as reference, as well as corresponding measurements from the Simpevarp area. Detailed statistical information on all isotopes is compiled in Appendix 2.

Table 5-12. Median activities of uranium, thorium, radium and radon isotopes in soil tubes in the Forsmark area.

| Idcode | Catchment | | Ra-226 Bq/l | Rn222 Bq/l | Th-230 mBq/kg | Th-232 mBq/kg | U-234 mBq/kg | U-235 mBq/kg | U-238 mBq/kg |
|---------------------|---------------------|---|----------------|---------------|------------------|------------------|-----------------|-----------------|-----------------|
| SFM0001 | Coastal area | H | 0.30 | 27 | < 50 | < 50 | 76 | < 50 | 66 |
| SFM0002 | Norra bassängen 2:1 | H | 0.55 | 53 | < 50 | < 50 | 78 | < 50 | 71 |
| SFM0003 | Norra bassängen 2:1 | H | < 0.1 | 19 | < 50 | < 50 | < 50 | < 50 | < 50 |
| SFM0005 | Coastal area | H | 0.10 | 75 | < 50 | < 50 | 60 | < 50 | 60 |
| SFM0006 | Bredviken 5:1 | H | < 0.1 | 7.7 | < 50 | < 50 | 150 | < 50 | 150 |
| SFM0008 | Bredviken 5:1 | H | 0.10 | 30 | < 50 | < 50 | 120 | < 50 | 110 |
| SFM0009 | Vambörsfjärden 2:6 | H | 0.40 | 40 | 7.3 | – | 130 | – | 110 |
| SFM0012 | Gällsboträsket 2:8 | L | 0.50 | 65 | < 50 | < 50 | 180 | < 50 | 180 |
| SFM0015 | Eckarfjärden 2:10 | L | 0.60 | 75 | < 50 | < 50 | < 50 | < 50 | < 50 |
| SFM0027 | Fiskarfjärden 8:1 | L | 0.20 | 160 | 0.15 | – | 26 | – | 12 |
| SFM0029 | Lillfjärden 4:2 | H | 0.15 | 12 | 0.2 | – | 90 | – | 75 |
| SFM0031 | Bolundsfjärden 2:3 | H | 0.30 | 89 | 1.6 | – | 130 | – | 100 |
| SFM0032 | Bolundsfjärden 2:3 | H | 0.20 | 34 | 1.4 | – | 82 | – | 60 |
| SFM0037 | Norra bassängen 2:1 | L | 0.13 | 31 | 1.2 | – | 140 | – | 120 |
| SFM0049 | Coastal area | H | 0.30 | 19 | 0.9 | – | 2.8 | – | 2.4 |
| SFM0057 | Gällsboträsket 2:8 | L | 0.55 | 29 | 1.5 | – | 94 | – | 88 |
| SFM0060 | Coastal area | H | < 0.1 | 36 | 0.2 | – | 440 | – | 420 |
| 'Higher' soil tubes | | H | 0.10 | 28 | 4.4 | < 50 | 84 | < 50 | 71 |
| 'Lower' soil tubes | | L | 0.20 | 50 | 1.5 | < 50 | 94 | < 50 | 88 |
| All soil tubes | | | 0.20 | 30 | 1.6 | < 50 | 85 | < 50 | 72 |
| Reference | | | | | | | | | |
| Simpevarp | Soil tubes | | 0.1 | 22 | < 50 | < 50 | 50 | < 50 | < 50 |
| Sweden | Excavated wells (a) | | | 20 | | | | | |
| Sweden | Drilled wells (a) | | 0.01 | 85 | | | | | |
| Sweden | Drilled wells (b) | | 0.022 | 143 | | | 66 | | 32 |

a. 492 samples of radium and 2500 samples of radon /SSI 2005/.

b. 54 drilled wells /Östergren et al. 2003/.

The **radium-226** activity ranges from less than 0.1 to 0.9 Bq/l. The **radon-222** activity ranges from 8 to 180 Bq/l. There is a tendency for slightly higher activities in 'lower' soil tubes compared to 'higher' located soil tubes.

The U234/U238 ratio is close to 1 in most observations from Forsmark area, including surface waters (lake, stream and sea water). SFM0027 in the catchment of Fiskarfjärden deviates by having a ratio exceeding 2. The highest radon activities are also measured in this soil tube.

In Table 5-13 the activities of radon and radium are related to the contents of organic and inorganic carbon. The activities that are expressed as Becquerel per mg carbon, were calculated per observation and the median values of these ratios are shown in the table below. For comparison the corresponding ratios were calculated for the trace elements iodine, strontium and uranium, elements identified as important for nuclide transport issues.

In Figure 5-68, the activities per carbon are shown for radium-226 and radon-222. The highest radium activities per organic carbon are displayed by SFM0012 and SFM0015. These soil tubes and SFM0027 also display the highest radon activities per organic carbon.

Table 5-13. Radioactive isotopes and a selection of trace elements related to inorganic (DIC) and organic (TOC) carbon in soil tubes in the Forsmark area. Median values of ratios calculated per observation.

| Idcode | I/DIC µg/mgC | I/TOC µg/mgC | Sr/DIC µg/mgC | Sr/TOC µg/mgC | U/DIC µg/mgC | U/TOC µg/mgC | Ra226/DIC Bq/mgC | Ra-226/OC Bq/mgC | Rn-222/DIC Bq/mgC | Rn-222/TOC Bq/mgC |
|----------------|-----------------|-----------------|------------------|------------------|-----------------|-----------------|---------------------|---------------------|----------------------|----------------------|
| SFM0001 | 0.1 | 0.33 | 4.3 | 14 | 0.052 | 0.18 | 0.0052 | 0.011 | 0.32 | 1.2 |
| SFM0002 | 0.13 | 0.51 | 2.9 | 12 | 0.089 | 0.36 | 0.011 | 0.035 | 1.1 | 3.7 |
| SFM0003 | 0.07 | 0.48 | 6.3 | 44 | 0.0064 | 0.046 | 0.00087 | 0.0062 | 0.2 | 1.9 |
| SFM0005 | 0.32 | 1.6 | 1.9 | 9.5 | 0.085 | 0.41 | 0.0018 | 0.012 | 1.3 | 8.7 |
| SFM0006 | 0.05 | 0.22 | 2.7 | 15 | 0.28 | 1.5 | 0.00078 | 0.0039 | 0.12 | 0.6 |
| SFM0008 | 0.018 | 0.17 | 4.2 | 44 | 0.2 | 1.7 | 0.0014 | 0.023 | 0.41 | 4.6 |
| SFM0009 | 0.12 | 0.44 | 1.9 | 6.9 | 0.14 | 0.52 | 0.0072 | 0.025 | 0.68 | 2.4 |
| SFM0012 | 1.3 | 17 | 46 | 600 | – | – | 0.0079 | 0.15 | 1 | 20 |
| SFM0015 | 0.65 | 10 | 3.7 | 62 | – | – | 0.0045 | 0.064 | 0.56 | 7.9 |
| SFM0022 | 1.3 | 14 | 36 | 460 | – | – | – | – | – | – |
| SFM0023 | 4.4 | 16 | 240 | 1,200 | – | – | – | – | – | – |
| SFM0024 | 0.2 | 1.7 | 23 | 140 | – | – | – | – | – | – |
| SFM0025 | 0.95 | 13 | 140 | 2,100 | – | – | – | – | – | – |
| SFM0027 | 0.087 | 1.1 | 4 | 51 | 0.011 | 0.14 | 0.0028 | 0.033 | 2.3 | 27 |
| SFM0029 | 0.13 | 1.2 | 3.1 | 28 | 0.055 | 0.43 | 0.0022 | 0.019 | 0.18 | 1.5 |
| SFM0031 | 0.06 | 0.53 | 5.8 | 55 | 0.1 | 1.1 | 0.0046 | 0.039 | 1.1 | 11 |
| SFM0032 | 0.1 | 0.35 | 3.2 | 12 | 0.09 | 0.35 | 0.0032 | 0.012 | 0.54 | 2 |
| SFM0037 | 0.062 | 0.27 | 4.2 | 16 | 0.14 | 0.54 | 0.0016 | 0.0063 | 0.36 | 1.7 |
| SFM0049 | 0.07 | 0.16 | 2 | 4.5 | 0.0044 | 0.0099 | 0.0066 | 0.016 | 0.41 | 1 |
| SFM0057 | 0.2 | 0.95 | 5.1 | 19 | 0.13 | 0.61 | 0.016 | 0.031 | 0.74 | 1.8 |
| SFM0060 | 0.041 | 0.48 | 2.3 | 27 | 0.51 | 6 | 0.00083 | 0.011 | 0.6 | 7.7 |
| 'Higher' | 0.096 | 0.47 | 3.5 | 15 | 0.095 | 0.42 | 0.0017 | 0.013 | 0.39 | 2.4 |
| 'Lower' | 0.65 | 10 | 18 | 120 | 0.087 | 0.38 | 0.0032 | 0.033 | 0.79 | 5 |
| All soil tubes | 0.11 | 0.55 | 4.3 | 28 | 0.092 | 0.41 | 0.0029 | 0.016 | 0.41 | 2.4 |

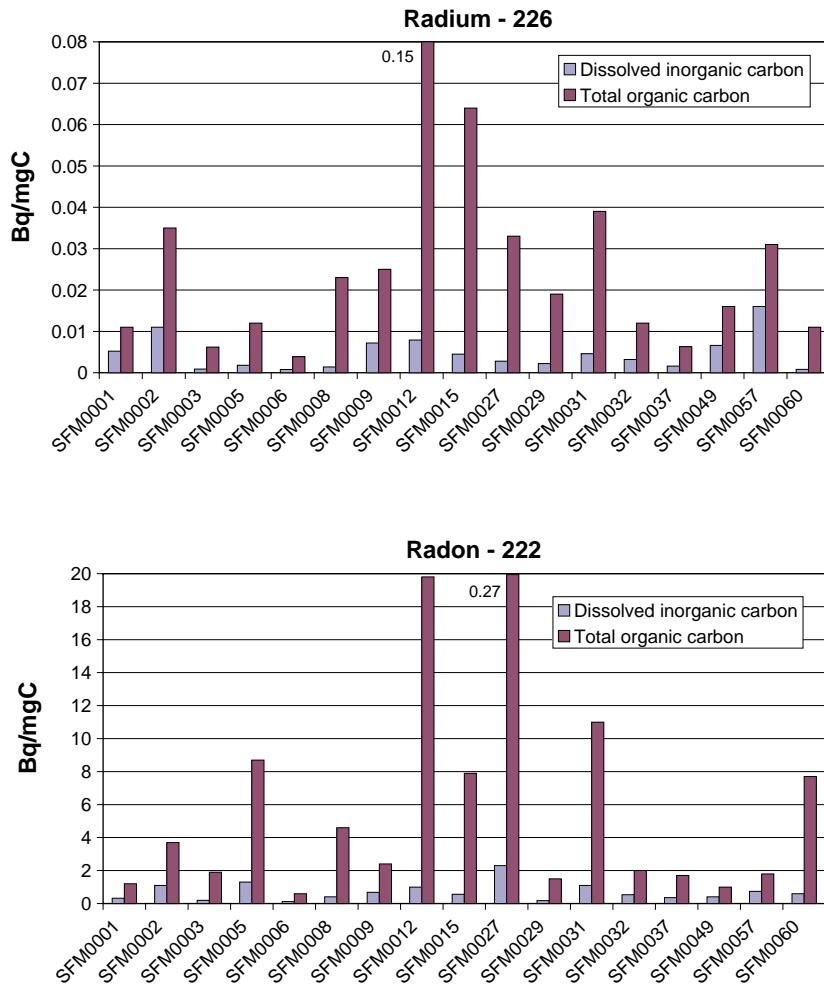


Figure 5-68. Radium-226 and radon-222 activities per organic and inorganic carbon (Bq/mg C) in shallow groundwater in the Forsmark area.

5.9 Time-trends and temporal variation

In this section the temporal variation of chemical composition is explored for soil tubes with time series exceeding six observations.

The coefficient of variation (CV) was calculated for all parameters and soil tubes that fulfilled the criterion above. This relative measure is useful for comparing different parameters and concentration levels in order to identify parameters/objects that show high and low variability over time (Table 5-14).

Table 5-14. Coefficient of variation (CV) on data from soil tubes in the Forsmark area, for all parameters and objects where the time series included more than six observations. The 'relative standard deviation' CV is expressed in percent and calculated by dividing the standard deviation by the mean.

| Element | SFM0001 | SFM0002 | SFM0003 | SFM0008 | SFM0009 | SFM0012 | SFM0015 | SFM0023 | SFM0025 | SFM0027 | SFM0031 | SFM0032 | SFM0037 | SFM0074 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Aluminium | 37 | 77 | 101 | | | | | | | | | | | |
| Ammonium nitrogen | 27 | 61 | 10 | 49 | 5 | | | | | | | | | |
| Barium | 32 | 14 | 23 | | | | | | | | | | | |
| Bicarbonat | 21 | 6 | 3 | 10 | 10 | 7 | 3 | 26 | 7 | 20 | 4 | 3 | 23 | 4 |
| Bromide | 39 | 49 | 36 | 87 | 40 | 15 | 29 | 15 | 30 | 51 | 82 | 64 | 32 | 14 |
| Cadmium | 125 | 41 | 38 | | | | | | | | | | | |
| Calcium | 12 | 9 | 3 | 17 | 13 | 40 | 25 | 4 | 21 | 13 | 7 | 4 | 15 | 1 |
| Chloride | 41 | 52 | 28 | 75 | 44 | 3 | 10 | 1 | 25 | 3 | 14 | 25 | 40 | 23 |
| Chromium | 44 | | 52 | | | | | | | | | | | |
| Cobalt | 33 | 60 | 20 | | | | | | | | | | | |
| Conductivity | 33 | 13 | 4 | 22 | 3 | 3 | 6 | 2 | 4 | 2 | 3 | 5 | 20 | 11 |
| Copper | 55 | | 68 | | | | | | | | | | | |
| Dissolved Inorganic Carbon | 25 | 14 | 10 | 18 | 21 | | | | | | | | | |
| Dissolved Organic Carbon | 23 | 9 | 9 | 22 | 8 | | | | | | | | | |
| Fluoride | 15 | 23 | 12 | 43 | 35 | 54 | 40 | 85 | 90 | 26 | 30 | 11 | 10 | 2 |
| Iodide | 28 | 42 | 100 | | | | | | | | | 57 | | 9 |
| Iron (total ICP) | 24 | 36 | 77 | | | | | | | | | | | 13 |
| Lead | 49 | 52 | 56 | | | | | | | | | | | |
| Lithium | 29 | 43 | 14 | 30 | 53 | 6 | 19 | 8 | 14 | 22 | 9 | 26 | 29 | 8 |
| Magnesium | 27 | 16 | 6 | 13 | 14 | 3 | 20 | 2 | 18 | 8 | 10 | 6 | 24 | 5 |

| Element | SFM0001 | SFM0002 | SFM0003 | SFM0008 | SFM0009 | SFM0012 | SFM0015 | SFM0023 | SFM0025 | SFM0027 | SFM0031 | SFM0032 | SFM0037 | SFM0074 |
|----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Manganese | 14 | 44 | 31 | | | | | | | | 23 | | | 9 |
| Mercury | 63 | | | | | | | | | | | | | |
| Molybdenium | 37 | 23 | 10 | | | | | | | | | | | |
| Nickel | | | 62 | | | | | | | | | | | |
| Nitrate nitrogen | 185 | 184 | 148 | 114 | 240 | | | | | | | | | |
| Phosphate phosphorus | 32 | 42 | 57 | 34 | 144 | | | | | | | | | |
| Potassium | 24 | 17 | 6 | 9 | 3 | 25 | 3 | 11 | 4 | 4 | 6 | 9 | 24 | 4 |
| Silicate | 21 | 25 | 23 | 8 | 9 | | | | | | | | | |
| Silicon | 10 | 15 | 15 | 6 | 17 | 23 | 46 | 15 | 12 | 12 | 9 | 12 | 16 | 2 |
| Sodium | 36 | 41 | 14 | 60 | 3 | 24 | 1 | 20 | 6 | 6 | 15 | 27 | 43 | 17 |
| Strontium | 22 | 16 | 5 | 14 | 8 | 23 | 4 | 22 | 17 | 17 | 9 | 6 | 18 | 4 |
| Sulphate | 25 | 37 | 19 | 18 | 5 | 127 | 4 | 14 | 4 | 4 | 14 | 14 | 28 | 3 |
| Sulphate sulphur | 24 | 19 | 16 | 18 | 5 | 59 | 3 | 16 | 4 | 4 | 5 | 16 | 25 | 3 |
| Sulphide | 38 | | 42 | | | | | | | | | | | |
| Total nitrogen | 13 | 5 | 9 | 14 | | | | | | | | | | |
| Total Organic Carbon | 19 | 7 | 13 | 21 | 8 | | | | | | | | | |
| Total phosphorus | 17 | 126 | 275 | 44 | | | | | | | | | | |
| Tritium | 28 | 11 | 36 | 12 | 6 | 54 | 90 | 38 | 12 | 12 | 26 | | | 11 |
| Vanadium | 25 | 31 | 11 | | | | | | | | | | | |
| Zinc | 72 | | 76 | | | | | | | | | | | |

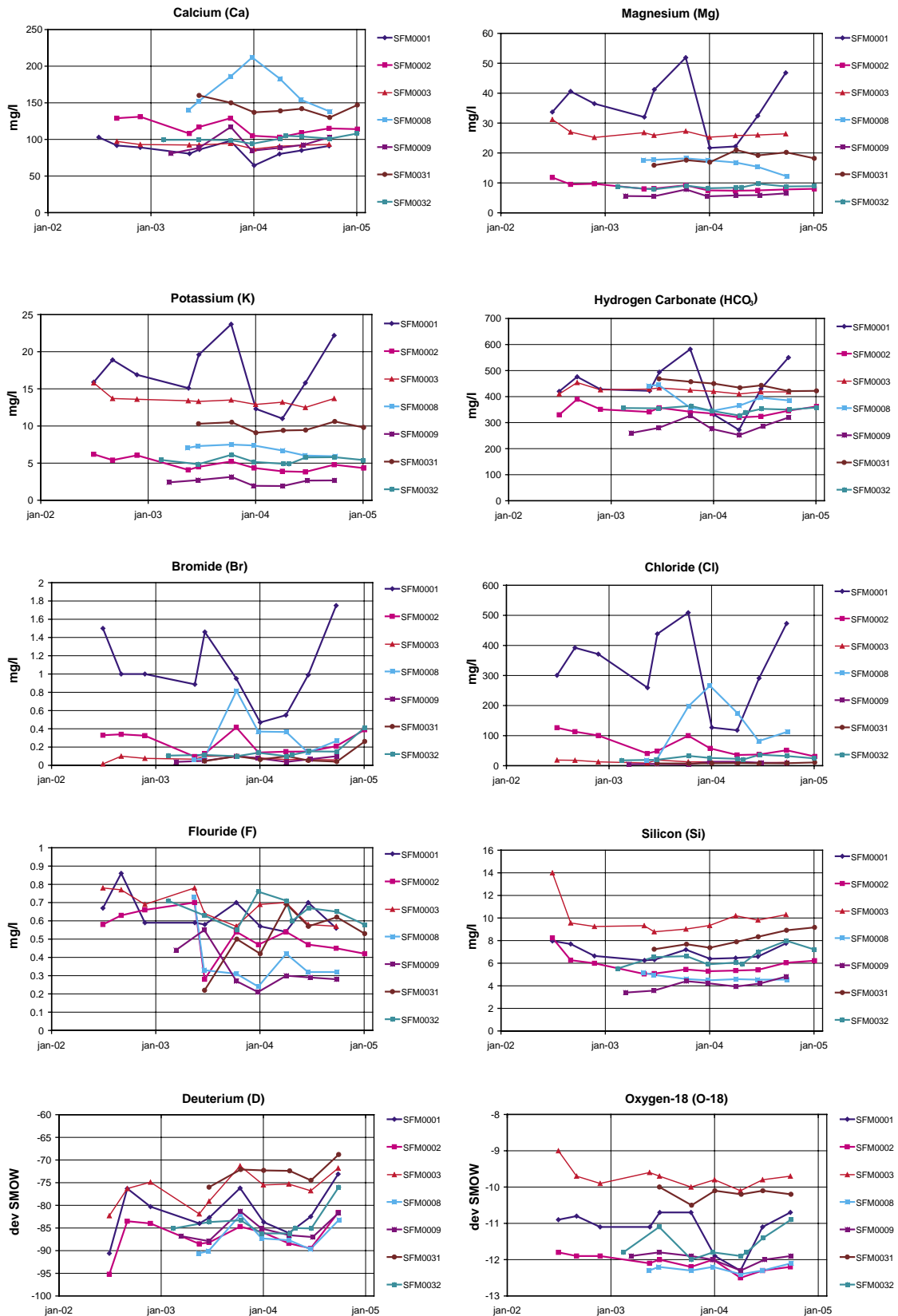


Figure 5-69. Time-series for some selected parameters in soil tubes located at 'higher' levels in the Forsmark area.

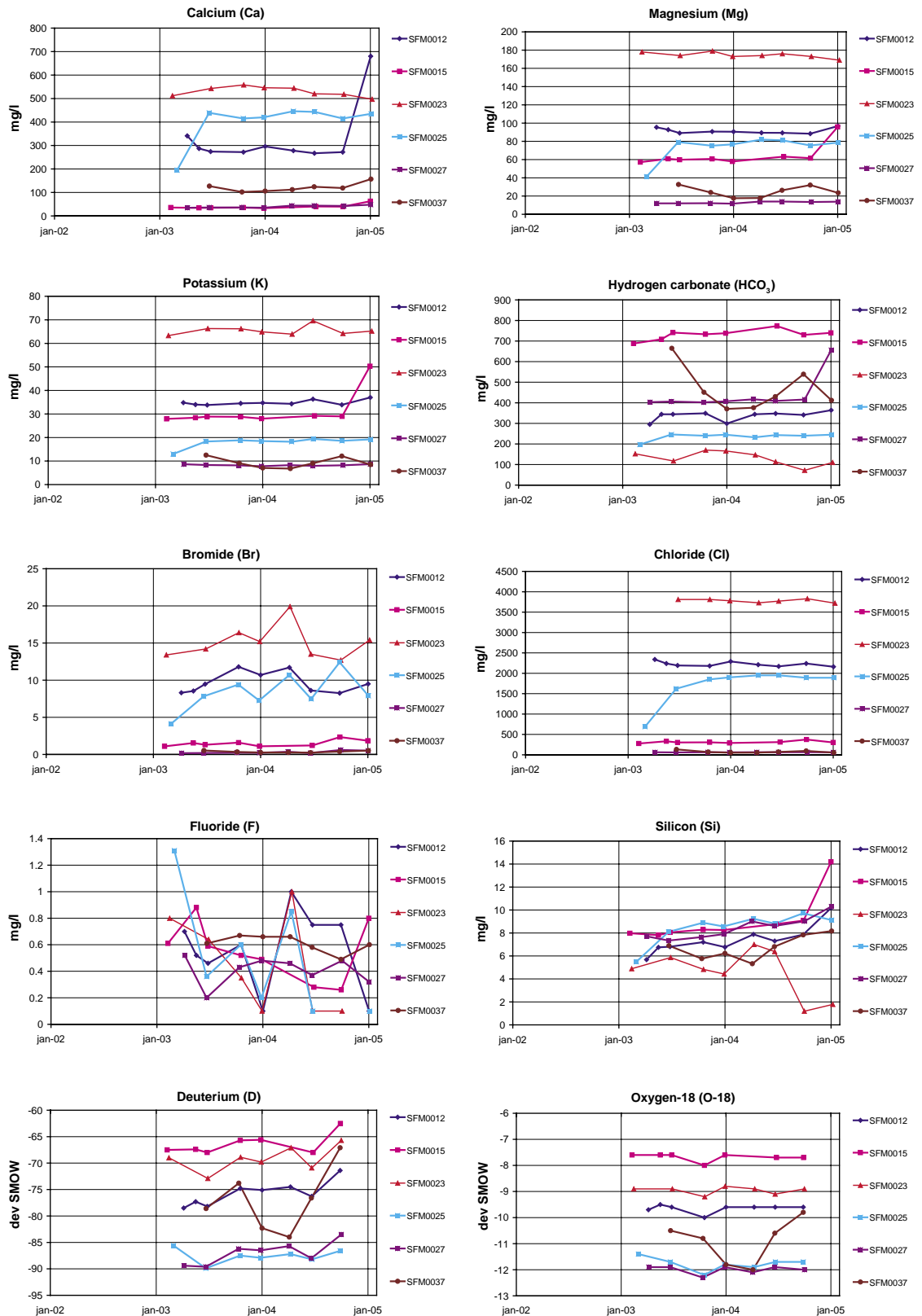


Figure 5-70. Time-series for some selected parameters in soil tubes located at 'lower' levels in the Forsmark area.

Among the elements in Table 5-14, bicarbonate shows least variation over time, indicated by overall low values of the coefficient of variation. Calcium and potassium concentrations are also stable over time compared to most other minor and major constituents. Bromide, fluoride and especially the nitrate nitrogen and phosphorus species show considerable large variation over time. Some of the deviations that are reflected by the coefficient of variation may be due to analytical issues as detection limits or due to non-representative conditions in observations made after mounting of the soil tubes.

The soil tubes, SFM0012 and SFM0023 that are located in till below the lake sediments of Gällsboträsket and Bolundsfjärden show least variation. These soil tubes are most probably located in discharge areas where the conditions usually are more stable compared to recharge areas. However, fluoride, silicon and to some degree bicarbonate, show higher variation in these two soil tubes compared to most other soil tubes.

In Figures 5-69 and 5-70 time series are shown for a selection of the major/minor constituents and the stable isotopes deuterium and oxygen-18. Soil tubes at 'higher' levels are shown in Figure 5-69, and in Figure 5-70 soil tubes from 'lower' levels are shown.

No general seasonal patterns or time-trends can be seen among the major elements in soil tubes at 'higher' levels, except for silicon that shows an increasing trend in almost all soil tubes. Soil tube SFM0001, that is located at drill site one, differs markedly from the rest of the soil tubes by showing a vigorous variation. The observed pattern is probably an effect of activities at the drill site.

Deuterium shows a clear seasonal pattern in the 'higher' located soil tubes with lowest values in late winter and spring. Oxygen-18 does not show a similar pattern. Both deuterium and oxygen-18 show initial values that differ from the following time-series. This could be an effect of disturbed conditions during mounting of the soil tubes.

Compared to the soil tubes located at 'higher' levels, the major elements at 'lower' levels usually show less variation (Figure 5-70). One exception is SFM0027 that shows a pattern similar to the 'lower' soil tubes. Silicon shows an increasing trend in most of the soil tubes.

The most pronounced difference between 'higher' and 'lower' located soil tubes is found for deuterium, where the seasonal pattern is considerably weaker in 'lower' areas compared to the distinct pattern seen in the 'higher' areas.

5.10 Relationships between elements in groundwater

In this section various evaluations that include several parameters are presented, in contrast to the element-wise compilations in previous sections. This division is not consistent throughout the report as some ratios and correlations are presented in connection to compilations of different parameter groups, for example stable and radioactive isotopes.

5.10.1 Principal component analysis

A principal component analysis was accomplished in order to elucidate relationships between variables and to identify groups and outliers among the soil tubes. The analysis was carried out on mean values per object in order to isolate the spatial variation, using scaled data with no transformations. As the matrix contains several missing data the results was interpreted cautiously and all relationships were checked.

The PCA was carried out on all available variables with enough spatial coverage. Most of the biochemical variables associated with the surface waters, for example nitrogen and phosphorus were excluded due to lack of data. As all rare earth elements are very closely correlated only lanthanum and thulium was included in the analysis as examples of this element group. Totally four components were significant with an eigenvalue greater than 2. These components, which are shown in the figures below, accounted for 66% of the total variation (38%, 11%, 10% and 7%, respectively).

According to the two first components the soil tubes in Forsmark area forms four groups:

1. SFM0023 (in Lake Bolundsfjärden).
2. SFM0011, SFM0012 (in Lake Gällsboträsket), SFM0013, SFM0022 (in Lake Fiskarfjärden), SFM0024 (in sea), SFM0025 (in sea).
3. SFM0015 (in Lake Eckarfjärden).
4. The remaining soil tubes.

The variables with the strongest correlation to the *first component* are the major elements sodium, potassium, magnesium, chloride, bromide, electrical conductivity, lithium, strontium etcetera. Inversely correlated to these variables are Carbon-14 (percent modern carbon) and the ratio $\text{HCO}_3/(\text{HCO}_3+\text{Cl})$ (Figure 5-71).

The *first component* discriminates groundwaters with high ionic strength from the rest. The highest concentrations of e.g. chloride, bromide and sodium are found in the soil tube situated in Lake Bolundsfjärden (SFM0023). SFM0011, SFM0012, SFM0013, that forms an intermediate group according to ionic strength, are situated in the small catchment of Gällsboträsket. SFM0024 and SFM0025 that also belong to this intermediate group are situated at two different locations in the sea just outside the coast. Characteristic for all these soil tubes are more or less low content of modern carbon (pmC) compared to the other soil tubes.

To the *second component* are bicarbonate, DIC, Chlorine-37 and the ratio D/O-18 strongest correlated. Inversely correlated to this group of variables are for example Strontium-87 and the ratio $\text{SO}_4/(\text{SO}_4+\text{HCO}_3+\text{Cl})$.

The *second component* is dominated by SFM0015 in Lake Eckarfjärden. The soil tubes that are situated near this lake (SFM0016, SFM0017, SFM0018) are also more similar to SFM0015 than the rest of the soil tubes. The second component could be interpreted as a gradient where bicarbonate, the D/O-18 ratio and Chlorine-37 show high values at Lake Eckarfjärden and low values in for example SFM0060, SFM0061 near the coast in the eastern part of the Forsmark area. Inversely, are the lowest concentrations of uranium and the lowest values of the Strontium-87 ratio is found in SFM0015.

The higher components (3–6) are more difficult to interpret as each represents rather small amounts of the total variation in the material (Figure 5-72).

The *third component* captures a topographical height gradient where SECUP (depth from soil surface to intake sieve on soil tube) is low when ELEVATION (absolute height of intake sieve of soil tube relative to sea level) shows high values. This component reflects the fact that the regolith is usually thinner at higher levels in the Forsmark area. The thickest deposits are also found at SFM0026 and SFM0027. These soil tubes, that are located close to each other, are also similar regarding the third and fourth components. At SFM0027 the Rn-222 concentration is high and the Sr-87 ratio low (these variables are not measured at SFM0026).

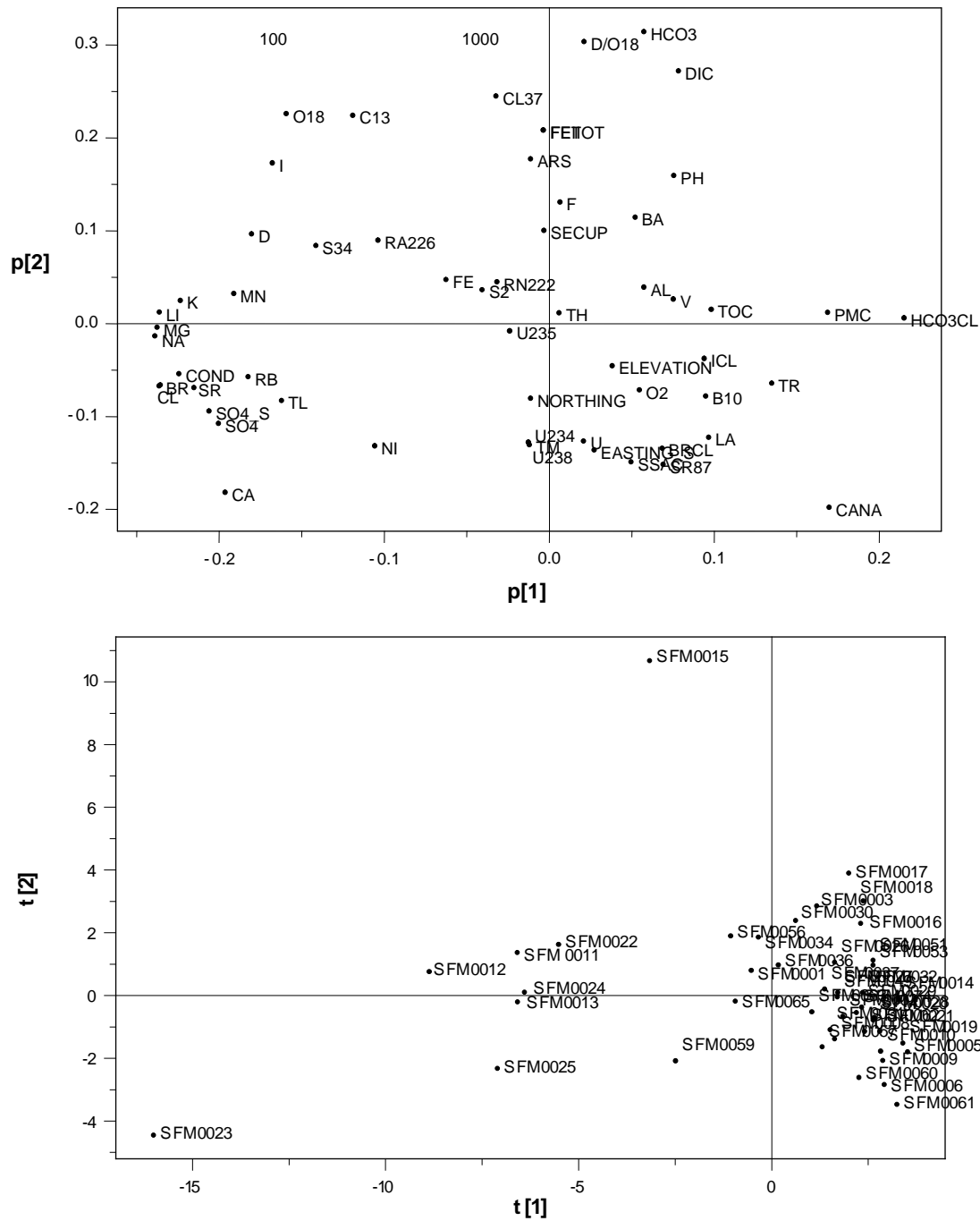


Figure 5-71. The first (horizontal) and second (vertical) components of the PCA on soil tube data from the Forsmark area. Upper – the loading plot that shows how the variables are related. Below – the score plot that shows how the objects (soil tubes) are related. See Table 5-15 for explanations of the abbreviations used.

The *third component* also reflects the fact that the thorium and vanadium concentrations are high at SFM0051 and low at SFM0026.

The *fourth component* discriminates a group of soil tubes that are located near Lake Eckarfjärden (SFM0014, SFM0017, SFM0018). These tubes show relatively high values of fluorine, and relatively low tritium values (around 7 TU).

Table 5-15. Abbreviations used in Figures 4-71 and 4-72.

| | | | |
|-----------|---|----------|---|
| AL | Aluminium | MN | Manganese |
| ARS | Arsenic | NA | Sodium |
| B10 | Boron-10 | NI | Nickel |
| BA | Barium | NORTHING | North coordinate |
| BR | Bromide | O18 | Oxygen-18 |
| BRCL | Br/Cl ratio | O2 | Oxygen |
| C13 | Carbon-13 | PH | pH |
| CA | Calcium | PMC | Carbon-14 |
| CANA | Ca/(Ca + Na) ratio | RA222 | Radon-222 |
| CL37 | Chlorine-37 | RA226 | Radium-226 |
| COND | Conductivity | RB | Rubidium |
| D | Deuterium | S2 | Hydrogen sulphide |
| DIC | Dissolved inorganic carbon | S34 | Sulphur-34 |
| DO18 | D/O-18 ratio | SECUP | Depth of soil tube intake sieve |
| EASTING | East coordinate | SO4 | Sulphate |
| ELEVATION | Altitude above sea level | SO4_S | Sulphur as sulphate |
| F | Fluoride | SR | Strontium |
| FE | Iron | SR87 | Strontium-87 |
| HCO3 | Bicarbonate | SSAC | SO ₄ /(SO ₄ + Cl + HCO ₃) |
| HCO3CL | HCO ₃ /(HCO ₃ + Cl) | TH | Thorium |
| I | Iodine | TL | Thallium |
| ICL | I/Cl ratio | TM | Thulium |
| K | Potassium | TOC | Total organic carbon |
| LA | Lanthanum | TR | Tritium |
| LI | Lithium | U | Uranium |
| MG | Magnesium | V | Vanadium |

5.10.2 Element ratios of major constituents

In this section ratios of major and minor constituents are presented. These ratios, that were rather arbitrarily selected after proposals from a number of persons involved in the site modelling, are shown to facilitate the interpretations of the major and minor constituents. In Table 5-16 is the median value per soil tube shown for this selection of ratios, and in Figures 5-73 to 5-75 is the spatial variation shown in maps.

Table 5-16. Element ratios of major constituents in water samples from soil tubes in the Forsmark area. Median values of meq/l ratios calculated per observation. Note that the ratios including bromide and iodide are multiplied by a factor 1,000.

| Idcode | Ca/ (Ca + Na) | HCO3/ (HCO3 + Cl) | 1,000×Br/Cl | 1,000×I/Cl | SO4/ (SO4 + Cl + HCO3) |
|---------------------|--------------------------|------------------------------|--------------------|-------------------|-----------------------------------|
| SFM0001 | 0.27 | 0.43 | 1.5 | 0.0065 | 0.17 |
| SFM0002 | 0.85 | 0.80 | 1.4 | 0.036 | 0.059 |
| SFM0003 | 0.80 | 0.95 | 2.6 | 0.15 | 0.14 |
| SFM0005 | 0.95 | 0.95 | 2.6 | 0.32 | 0.053 |
| SFM0006 | 0.89 | 0.86 | 2.2 | 0.022 | 0.18 |
| SFM0008 | 0.88 | 0.66 | 1.1 | 0.0076 | 0.14 |
| SFM0009 | 0.95 | 0.96 | 3.5 | 0.16 | 0.086 |
| SFM0010 | 0.97 | – | – | – | – |
| SFM0011 | 0.14 | 0.096 | 1.8 | 0.0033 | 0.076 |
| SFM0012 | 0.23 | 0.083 | 1.9 | 0.0072 | 0.062 |
| SFM0013 | 0.27 | 0.073 | 2.2 | 0.0042 | 0.059 |
| SFM0014 | 0.87 | 0.96 | 3.0 | 0.23 | 0.051 |
| SFM0015 | 0.13 | 0.59 | 2.0 | 0.077 | 0.00049 |
| SFM0016 | 0.82 | 0.88 | 1.4 | 0.064 | 0.047 |
| SFM0017 | 0.25 | 0.95 | 1.8 | 0.13 | 0.016 |
| SFM0018 | 0.21 | 0.95 | 2.0 | 0.14 | 0.053 |
| SFM0019 | 0.94 | 0.98 | 8.4 | 0.38 | 0.096 |
| SFM0020 | 0.94 | 0.95 | 2.3 | 0.077 | 0.12 |
| SFM0021 | 0.93 | – | – | – | – |
| SFM0022 | 0.28 | 0.15 | 1.7 | 0.015 | 0.053 |
| SFM0023 | 0.28 | 0.018 | 1.8 | 0.0039 | 0.064 |
| SFM0024 | 0.15 | 0.11 | 1.5 | 0.0019 | 0.094 |
| SFM0025 | 0.40 | 0.070 | 2.2 | 0.0049 | 0.080 |
| SFM0026 | 0.61 | 0.70 | 1.4 | 0.017 | 0.10 |
| SFM0027 | 0.26 | 0.79 | 1.8 | 0.028 | 0.11 |
| SFM0028 | 0.89 | 0.94 | 2.4 | 0.15 | 0.13 |
| SFM0029 | 0.89 | 0.93 | 1.9 | 0.11 | 0.13 |
| SFM0030 | 0.41 | 0.77 | 1.7 | 0.032 | 0.20 |
| SFM0031 | 0.89 | 0.97 | 3.5 | 0.14 | 0.25 |
| SFM0032 | 0.81 | 0.89 | 2.4 | 0.070 | 0.11 |
| SFM0034 | 0.32 | 0.38 | 1.4 | 0.0052 | 0.049 |
| SFM0036 | 0.49 | 0.68 | 1.7 | 0.013 | 0.15 |
| SFM0037 | 0.60 | 0.79 | 2.2 | 0.020 | 0.20 |
| SFM0049 | 0.85 | 0.87 | 2.3 | 0.063 | 0.013 |
| SFM0051 | 0.89 | 0.82 | 1.3 | 0.039 | 0.050 |
| SFM0053 | 0.94 | 0.95 | 3.9 | 0.18 | 0.12 |
| SFM0056 | 0.11 | 0.34 | 1.5 | 0.0063 | 0.19 |
| SFM0057 | 0.69 | 0.38 | 1.8 | 0.0100 | 0.037 |
| SFM0059 | 0.47 | 0.25 | 1.3 | 0.0044 | 0.21 |
| SFM0060 | 0.95 | 0.96 | 2.6 | 0.078 | 0.20 |
| SFM0061 | 0.93 | 0.93 | 2.9 | 0.032 | 0.19 |
| SFM0062 | 0.81 | 0.86 | 2.1 | 0.062 | 0.13 |
| SFM0063 | 0.65 | 0.56 | 1.6 | 0.047 | 0.095 |
| SFM0065 | 0.30 | 0.33 | 1.4 | 0.0060 | 0.10 |
| SFM0074 | 0.74 | 0.79 | 1.8 | 0.029 | 0.11 |
| 'Higher' soil tubes | 0.87 | 0.89 | 2.0 | 0.060 | 0.12 |
| 'Lower' soil tubes | 0.28 | 0.34 | 1.8 | 0.011 | 0.075 |
| All soil tubes | 0.77 | 0.80 | 1.9 | 0.035 | 0.11 |

The first three ratios in Table 5-16 are rather stable and show a variation about an order of magnitude. The latter two show a variation about two orders of magnitude. Note that the ratios including bromide and iodide are multiplied by a factor 1,000, in order to make the table easier to read.

The spatial distributions of the ratios in Table 5-16 are displayed in Figures 5-74 to 5-76. In contrast to the median values in the table, the dots shown in the maps represent mean values. In addition data from soil tubes, private wells and surface waters are included.

In Figure 5-73 the sulphate concentrations are plotted versus the sulphate-chloride ratio. The observations from SFM0015 and SFM0049 reveals as outliers in this figure, indicating highly differing conditions in respect to sulphate.

Between the single observation of precipitation and the observations of sea water, a dilution line is drawn, indicating mixing with saline water. The soil tube SFM0023 in the till below the sediments of Lake Bolundsfjärden plots rather closely to this line.

The soil tube SFM0031, located at the shore of Lake Bolundsfjärden, represents another extreme value in the plot, where sulphur is enriched in relation to chloride.

In Figure 5-74 the molar ratio of sulphur to the sum of sulphur, chlorine and bicarbonate are displayed. The soil tubes around in Lake Eckarfjärden (SFM0014–18) marks out by showing especially low values of this ratio. The same applies to soil tubes in the catchment of Gällsboträsket (SFM0011–13 and SFM0057). The highest value of this ratio is found in soil tubes at 'higher' levels.

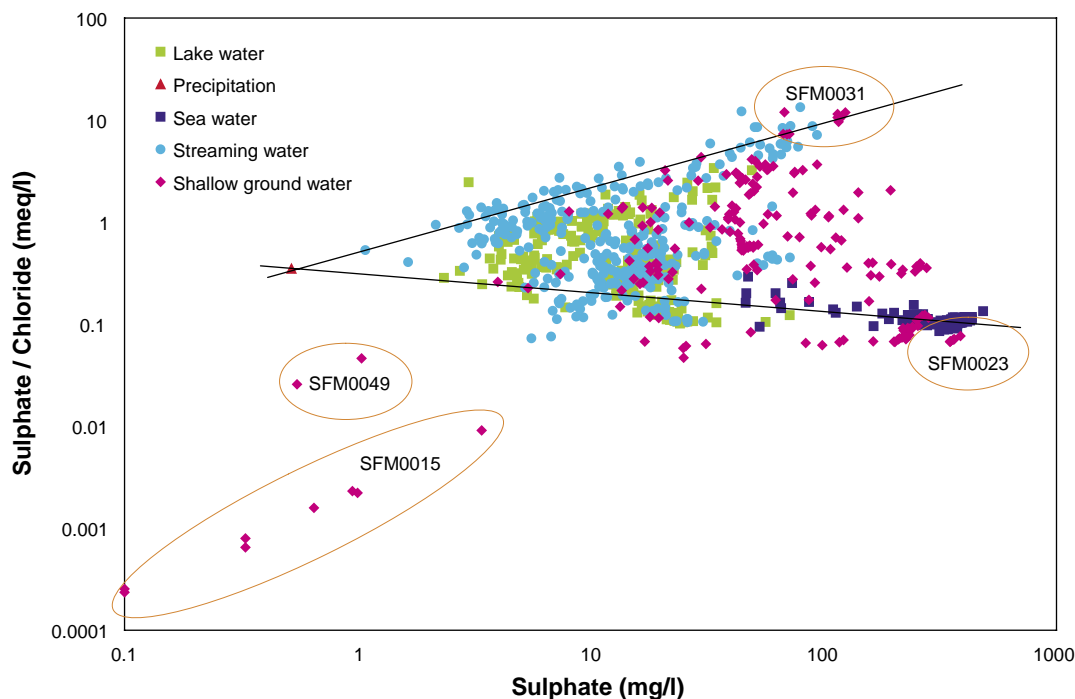


Figure 5-73. Sulphate concentration versus the sulphate-chloride ratio calculated on meq/l in the Forsmark area.

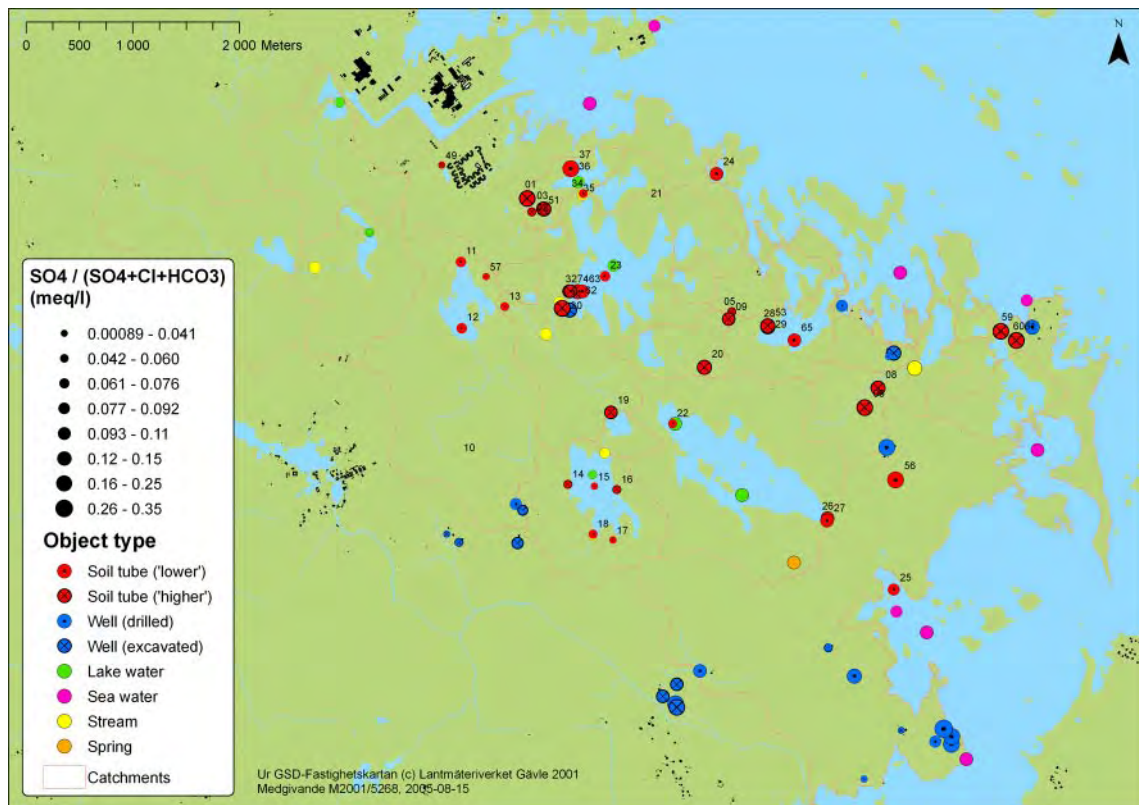


Figure 5-74. Ratio between sulphur and the sum of sulphur, chlorine and bicarbonate in samples from the Forsmark area.

The calcium-sodium ratio is low in 'lower' located soil tubes and high in the 'higher' located soil tubes (Figure 5-75). All observations of both shallow groundwaters and surface water exceed the ratio of sea water.

The bicarbonate-chloride ratio is low in the soil tubes located in the till below the sediments of the lakes. The highest values are found in the vicinity of Lake Eckarfjärden (Figure 5-75). As the bicarbonate concentration is rather constant throughout the area, this ratio mainly reflects the variation of chloride.

The ratios of bromide-chloride and iodide-chloride show a very similar spatial pattern in the Forsmark area. There are some uncertainties regarding bromide, as about 10% of the analyses fall below the reporting limit (Figure 5-76).

The iodide-chloride ratio is generally enriched in the catchment of Lake Eckarfjärden compared to the ratio of sea water. Similar 'enrichments' of iodine is also found in some 'higher' located soil tubes.

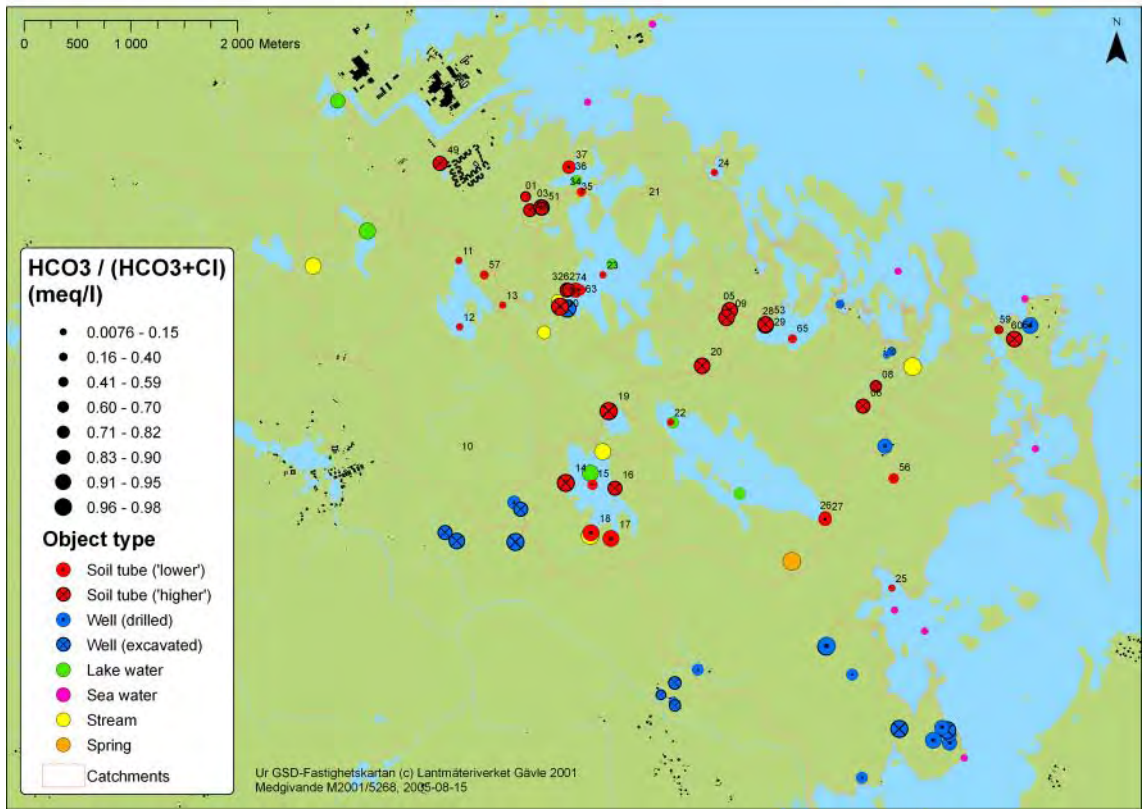
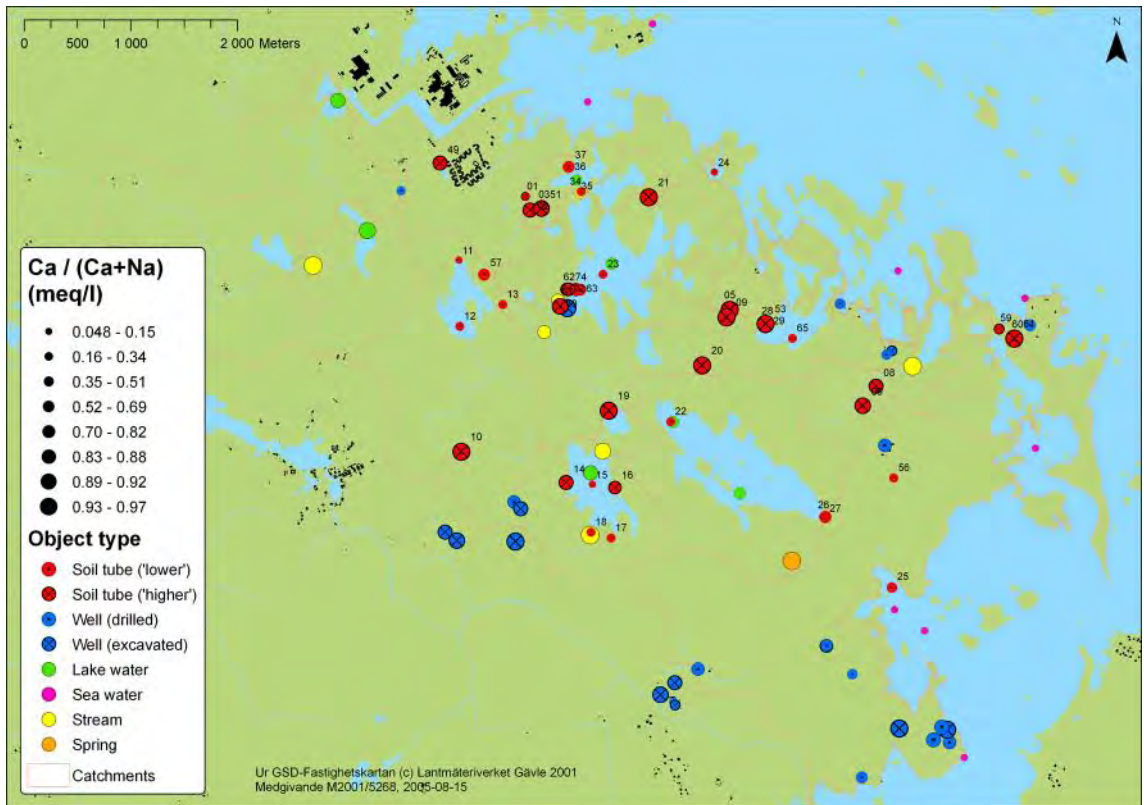


Figure 5-75. Calcium – sodium ratio (upper) and bicarbonate – chloride ratio (lower) in the Forsmark area.

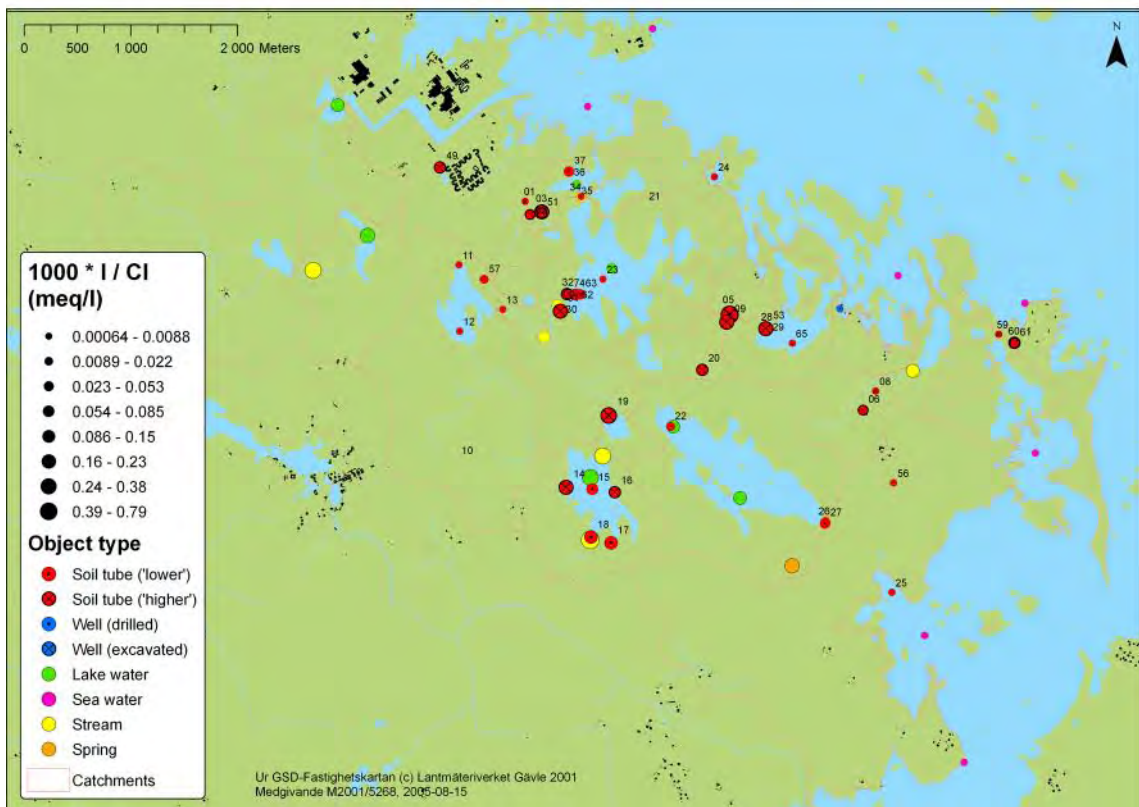
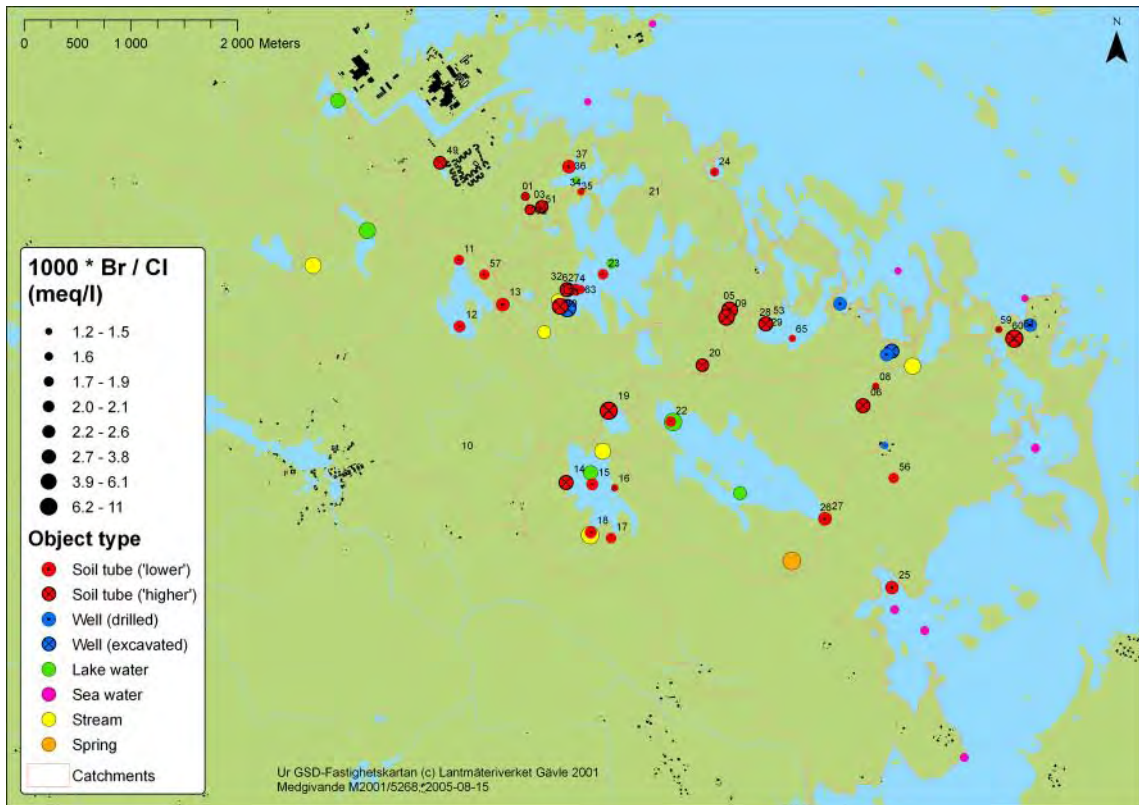


Figure 5-76. Bromide – chloride ratio (upper) and iodide – chloride ratio (lower) in the Forsmark area.

5.10.3 Saturation indices

Saturation indexes calculated for various minerals give indications whether the minerals are undersaturated, saturated or oversaturated under prevailing environmental conditions. When a mineral is undersaturated dissolution processes transfer substances from rock or overburden to water phase. During oversaturation the reverse take place and substances may leave the water phase by precipitation. At saturation are the minerals in equilibrium with the dissolved ions in the water phase.

Based on concentrations of a number of constituents and field measurements of pH and temperature, the thermodynamic database WATEQ4F from USGS was used to calculate saturation indexes for several minerals /USGS 2005/. All calculations were made on individual observations with complete records in respect to the input data. In order to facilitate the evaluation in Table 5-17 mean values of the saturation indices were calculated per soil tube. In Figure 5-77 are the ranges shown for the saturation index of calcite.

Table 5-17. Saturation indexes for a number of minerals calculated by the thermodynamic database WATEQ4F. Averages of 5–10 observations from soil tubes in the Forsmark area. To facilitate the interpretation of the table all values between –1 and –0.2 are marked blue, values exceeding 0.2 are marked yellow and values between –0.2 and 0.2 are marked green.

| Idcode | Anhydrite | Aragonite | Calcite | Chalcedony | Cristobalite | Dolomite | | Fluorite | Gypsum | Magnesite | Sepiolite |
|---------|-----------|-----------|---------|------------|--------------|----------|-------|----------|--------|-----------|-----------|
| | | | | | | c | d | | | | |
| SFM0001 | -1.72 | -0.14 | 0.02 | 0.12 | 0.20 | -0.29 | -0.92 | -1.26 | -1.46 | -0.82 | -4.17 |
| SFM0002 | -2.31 | -0.21 | -0.05 | -0.01 | 0.06 | -1.14 | -1.76 | -1.18 | -2.05 | -1.60 | -6.39 |
| SFM0003 | -2.00 | -0.10 | 0.06 | 0.30 | 0.37 | -0.38 | -1.01 | -1.04 | -1.74 | -0.94 | -4.08 |
| SFM0005 | -2.47 | -0.46 | -0.30 | -0.02 | 0.06 | -1.90 | -2.54 | -2.55 | -2.21 | -2.10 | -7.96 |
| SFM0006 | -1.65 | -0.06 | 0.10 | 0.09 | 0.17 | -0.87 | -1.50 | -1.26 | -1.39 | -1.47 | -5.93 |
| SFM0008 | -1.69 | -0.25 | -0.09 | 0.02 | 0.09 | -1.12 | -1.75 | -1.35 | -1.43 | -1.54 | -6.67 |
| SFM0009 | -2.28 | -0.33 | -0.17 | -0.04 | 0.03 | -1.47 | -2.10 | -1.66 | -2.03 | -1.81 | -6.77 |
| SFM0012 | -1.40 | -0.17 | -0.01 | 0.19 | 0.26 | -0.40 | -1.02 | -1.24 | -1.14 | -0.91 | -4.43 |
| SFM0015 | -4.90 | -0.28 | -0.13 | 0.21 | 0.27 | 0.09 | -0.52 | -2.04 | -4.65 | -0.31 | -3.52 |
| SFM0022 | -1.70 | 0.13 | 0.29 | 0.21 | 0.28 | 0.20 | -0.41 | -0.48 | -1.44 | -0.62 | -3.30 |
| SFM0023 | -1.07 | -0.08 | 0.07 | -0.18 | -0.12 | -0.18 | -0.79 | -1.94 | -0.82 | -0.78 | -3.75 |
| SFM0024 | -1.54 | -0.15 | 0.00 | 0.06 | 0.12 | 0.10 | -0.51 | -2.43 | -1.29 | -0.44 | -3.46 |
| SFM0025 | -1.16 | -0.17 | -0.01 | 0.28 | 0.35 | -0.64 | -1.26 | -1.53 | -0.90 | -1.15 | -4.50 |
| SFM0027 | -2.41 | -0.02 | 0.13 | 0.23 | 0.30 | -0.13 | -0.76 | -1.92 | -2.16 | -0.78 | -3.03 |
| SFM0029 | -1.92 | -0.28 | -0.12 | 0.10 | 0.17 | -1.20 | -1.82 | -1.48 | -1.67 | -1.58 | -6.52 |
| SFM0031 | -1.55 | -0.16 | | 0.23 | 0.30 | -0.83 | -1.45 | -1.26 | -1.30 | -1.34 | -5.61 |
| SFM0032 | -2.12 | -0.29 | -0.13 | 0.16 | 0.23 | -1.25 | -1.87 | -0.99 | -1.86 | -1.63 | -6.05 |
| SFM0037 | -1.65 | -0.28 | -0.12 | 0.12 | 0.19 | -0.84 | -1.47 | -1.09 | -1.39 | -1.23 | -5.80 |
| SFM0049 | -3.43 | -0.99 | -0.83 | -0.12 | -0.05 | -2.67 | -3.27 | -1.84 | -3.17 | -2.36 | -8.58 |
| SFM0057 | -2.22 | | -0.39 | -0.10 | -0.03 | -1.92 | -2.54 | -1.79 | -1.96 | -2.03 | -8.07 |
| SFM0060 | -1.80 | -0.32 | -0.16 | -0.13 | -0.05 | -1.39 | -2.02 | -0.85 | -1.54 | -1.75 | -7.23 |

Calcite is near saturation in most of the soil tubes, aragonite is slightly undersaturated except for SFM0022 located in till below the sediments of Lake Fiskarfjärden. Dolomite is near saturation in SFM0015, SFM0022, SFM0024 and SFM0027.

Chalcedony and cristoballite is near saturation in all soil tubes.

The soil tube of Lake Fiskarfjärden marks out being near saturation for most minerals, including fluorite.

SFM0015 marks out being highly undersaturated in respect to gypsum, compared to the rest of the soil tubes.

Figure 5-77 shows that there is a substantial variation for the saturation index of calcite. In most soil tubes the deviations are relatively symmetrical around zero. The most evident exceptions are SFM0022 where all observations are oversaturated, and SFM0040 and SFM0057 where all observations are undersaturated.

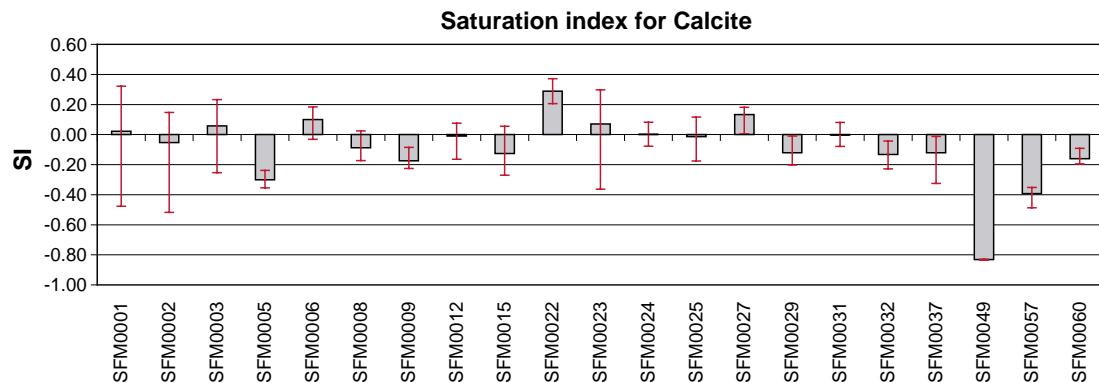


Figure 5-77. Saturation index for calcite in shallow groundwater in the Forsmark area. Averages of 5–10 observations (bars). Minimum and maximum values (whiskers).

6 Precipitation – presentation and evaluation of primary data

The chemical composition of precipitation has been measured for 24 parameters at the sampling stations PFM002457 and PFM002564 in the Forsmark area. The distributions of all available data are together with reference data from Enköping and Gotland, compiled in Table 6-1.

Temporal variations are shown for six elements in Figure 6-1, showing the time series from November 2002 to September 2004.

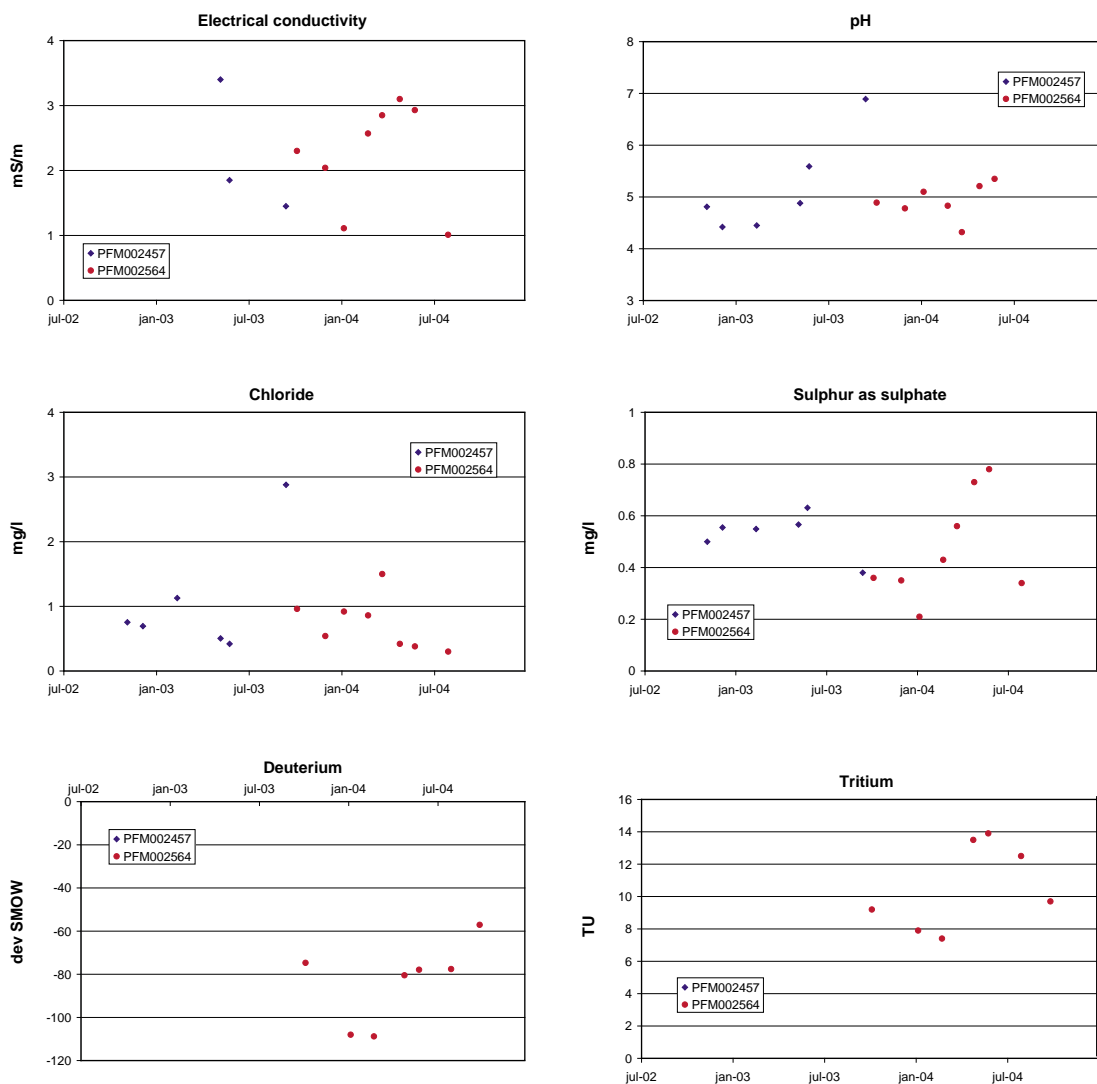


Figure 6-1. Time series showing the chemical composition in precipitation in the Forsmark area (PFM002457 and PFM002564).

Table 6-1. Compilation of chemical composition of precipitation from PFM002457 and PFM002564 in the Forsmark area. Reference data from national reference stations in Enköping (IVL:289) and at the Island of Gotland (IVL:1554).

| Element | Enhet | Idcode2 | Number | Min | 25-p | Median | 75-p | Max | Mean | Stddev | CV(%) |
|--------------------------|-------|-----------|--------|---------|---------|---------|---------|---------|---------|--------|-------|
| Aluminium | µg/l | PFM002457 | 6 | < 0.015 | < 0.015 | 0.019 | 0.041 | 0.15 | 0.041 | 0.06 | 130 |
| | | PFM002564 | 8 | < 0.015 | < 0.015 | 0.021 | 0.028 | 0.043 | 0.022 | 0.01 | 62 |
| Bromide | mg/l | PFM002457 | 6 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | | |
| | | | 8 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | | |
| Calcium | mg/l | PFM002457 | 6 | 0.090 | 0.19 | 0.37 | 0.50 | 0.83 | 0.39 | 0.3 | 70 |
| | | PFM002564 | 8 | 0.070 | 0.088 | 0.16 | 0.32 | 0.46 | 0.21 | 0.1 | 70 |
| | | IVL:289 | * | 0.12 | 0.13 | 0.16 | 0.19 | 0.20 | 0.16 | 0.04 | 22 |
| | | IVL:1554 | * | 0.24 | 0.31 | 0.38 | 0.38 | 0.38 | 0.33 | 0.08 | 24 |
| Dissolved organic carbon | mg/l | PFM002457 | 6 | 1.3 | 2.0 | 2.5 | 2.7 | 3.3 | 2.4 | 0.7 | 29 |
| | | PFM002564 | 8 | 0.60 | 0.90 | 2.5 | 3.0 | 3.4 | 2.1 | 1 | 55 |
| Bicarbonate | mg/l | PFM002457 | 6 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | | |
| | | PFM002564 | 8 | < 1 | < 1 | < 1 | < 1 | < 1 | < 1 | | |
| Chloride | mg/l | PFM002457 | 6 | 0.42 | 0.55 | 0.72 | 1.0 | 2.9 | 1.1 | 0.9 | 87 |
| | | PFM002564 | 8 | 0.30 | 0.41 | 0.70 | 0.93 | 1.5 | 0.74 | 0.4 | 55 |
| | | IVL:289 | * | 0.40 | 0.41 | 0.45 | 0.47 | 0.49 | 0.44 | 0.04 | 8.7 |
| | | IVL:1554 | * | 1.2 | 1.3 | 1.4 | 1.5 | 1.8 | 1.4 | 0.2 | 16 |
| Deuterium | ‰SMOW | PFM002564 | 7 | -109 | -94.3 | -77.9 | -76.2 | -57.1 | -83.5 | 19 | -22 |
| Fluoride | mg/l | PFM002564 | 1 | < 0.2 | | | | < 0.2 | < 0.2 | | |
| Iodide | mg/l | PFM002564 | 1 | < 0.001 | | | | < 0.001 | < 0.001 | | |
| Iron (total) | mg/l | PFM002457 | 6 | 0.0030 | 0.0078 | 0.012 | 0.016 | 0.29 | 0.057 | 0.1 | 200 |
| | | PFM002564 | 8 | 0.0010 | 0.0010 | 0.0030 | 0.0088 | 0.025 | 0.0076 | 0.01 | 130 |
| Magnesium | mg/l | PFM002457 | 6 | 0.046 | 0.065 | 0.078 | 0.082 | 0.17 | 0.086 | 0.04 | 50 |
| | | PFM002564 | 8 | 0.020 | 0.065 | 0.078 | 0.090 | 0.14 | 0.078 | 0.03 | 43 |
| | | IVL:289 | * | 0.040 | 0.040 | 0.040 | 0.050 | 0.060 | 0.046 | 0.009 | 19 |
| | | IVL:1554 | * | 0.090 | 0.11 | 0.15 | 0.17 | 0.21 | 0.15 | 0.05 | 33 |
| Nitrogen – total | mg/l | PFM002564 | 1 | 0.25 | | | | 0.25 | 0.25 | | |
| Nitrogen as nitrate | mg/l | PFM002457 | 6 | 0.044 | 0.36 | 0.43 | 0.57 | 0.72 | 0.43 | 0.2 | 54 |
| | | PFM002564 | 8 | 0.14 | 0.31 | 0.34 | 0.43 | 0.80 | 0.40 | 0.2 | 52 |
| | | IVL:289 | * | 0.25 | 0.31 | 0.31 | 0.40 | 0.40 | 0.33 | 0.07 | 19 |
| | | IVL:1554 | * | 0.51 | 0.54 | 0.57 | 0.60 | 0.63 | 0.57 | 0.05 | 8.3 |
| Nitrogen – Kjeldahl | mg/l | PFM002457 | 6 | < 0.15 | 0.20 | 0.31 | 0.33 | 0.77 | 0.33 | 0.2 | 73 |
| | | PFM002564 | 8 | 0.20 | 0.35 | 0.41 | 1.2 | 1.5 | 0.71 | 0.5 | 76 |
| Nitrogen as ammonium | mg/l | IVL:289 | * | 0.25 | 0.28 | 0.31 | 0.34 | 0.42 | 0.32 | 0.07 | 20 |
| | | IVL:1554 | * | 0.39 | 0.44 | 0.50 | 0.58 | 0.70 | 0.52 | 0.1 | 26 |
| Oxygen-18 | ‰SMOW | PFM002564 | 7 | -15.4 | -13.2 | -11.2 | -10.7 | -8.30 | -11.8 | 2.5 | -21 |
| Phosphorus – total | mg/l | PFM002457 | 6 | < 0.002 | < 0.002 | < 0.002 | 0.0028 | 0.019 | 0.0045 | 0.007 | 160 |
| | | PFM002564 | 8 | 0.0010 | 0.0018 | 0.0065 | 0.084 | 0.11 | 0.039 | 0.05 | 130 |
| Potassium | mg/l | PFM002457 | 6 | < 0.08 | < 0.08 | < 0.08 | 0.14 | 0.35 | 0.13 | 0.1 | 92 |
| | | PFM002564 | 8 | 0.070 | 0.098 | 0.14 | 0.22 | 0.67 | 0.22 | 0.2 | 94 |
| | | IVL:289 | * | 0.10 | 0.11 | 0.12 | 0.12 | 0.14 | 0.12 | 0.01 | 13 |
| | | IVL:1554 | * | 0.12 | 0.12 | 0.15 | 0.17 | 0.31 | 0.17 | 0.08 | 45 |
| Silicon | mg/l | PFM002564 | 1 | < 0.03 | | | | < 0.03 | < 0.03 | | |

| Element | Enhet | Idcode2 | Number | Min | 25-p | Median | 75-p | Max | Mean | Stddev | CV(%) |
|-------------------------|---------|-----------|--------|------|------|--------|------|------|------|--------|-------|
| Sodium | mg/l | PFM002457 | 6 | 0.26 | 0.44 | 0.53 | 0.66 | 1.1 | 0.59 | 0.3 | 49 |
| | | PFM002564 | 8 | 0.22 | 0.31 | 0.44 | 0.58 | 1.0 | 0.49 | 0.3 | 51 |
| | | IVL:289 | * | 0.25 | 0.27 | 0.27 | 0.29 | 0.31 | 0.28 | 0.02 | 8.2 |
| | | IVL:1554 | * | 0.70 | 0.79 | 0.87 | 0.91 | 1.0 | 0.86 | 0.1 | 14 |
| Sulphate | mg/l | PFM002564 | 1 | 0.52 | | | | 0.52 | 0.52 | | |
| Sulphate as sulphur | mg/l | PFM002457 | 6 | 0.38 | 0.51 | 0.55 | 0.56 | 0.63 | 0.53 | 0.08 | 16 |
| | | PFM002564 | 8 | 0.21 | 0.35 | 0.40 | 0.60 | 0.78 | 0.47 | 0.2 | 43 |
| | | IVL:289 | * | 0.26 | 0.33 | 0.39 | 0.41 | 0.47 | 0.37 | 0.08 | 22 |
| | | IVL:1554 | * | 0.53 | 0.59 | 0.62 | 0.69 | 0.72 | 0.63 | 0.08 | 12 |
| Tritium | TU | PFM002564 | 7 | 7.40 | 8.55 | 9.70 | 13.0 | 13.9 | 10.6 | 2.7 | 25 |
| Electrical conductivity | mS/m | PFM002457 | 3 | 1.5 | 1.7 | 1.9 | 2.6 | 3.4 | 2.2 | 1 | 46 |
| | | PFM002564 | 8 | 1.0 | 1.8 | 2.4 | 2.9 | 3.1 | 2.2 | 0.8 | 36 |
| | | IVL:289 | * | 1.1 | 1.5 | 1.5 | 1.5 | 2.3 | 1.6 | 0.4 | 27 |
| | | IVL:1554 | * | 2.1 | 2.1 | 2.7 | 2.8 | 4.0 | 2.7 | 0.8 | 28 |
| pH | pH unit | PFM002457 | 6 | 4.42 | 4.54 | 4.85 | 5.41 | 6.89 | 5.17 | 0.94 | 18 |
| | | PFM002564 | 8 | 4.32 | 4.82 | 5.00 | 5.25 | 6.81 | 5.16 | 0.74 | 14 |
| | | IVL:289 | * | 4.64 | 4.74 | 4.79 | 4.83 | 4.92 | 4.78 | 0.10 | 2.2 |
| | | IVL:1554 | * | 4.63 | 4.64 | 4.64 | 4.69 | 4.73 | 4.67 | 0.055 | 1.2 |

*Distribution of 5 yearly averages during the period 2000–2004.

Electrical conductivity and sulphate show a differing pattern compared to chloride, probably indicating to some extent different sources for these elements. The source for sulphate could be either marine spray or atmospheric sulphate deposition. Chloride in precipitation mainly originates from marine sources.

Deuterium shows a typical seasonal variation with the lowest values measured during winter.

Tritium scatters around 10 TU, which is in level with the natural production corresponding to levels of 5–10 TU. Emissions of tritium from the nuclear power plant nearby could probably contribute to the observed levels.

7 Regolith – presentation and evaluation of primary data

7.1 Geochemical composition of till

7.1.1 Comparisons between available site data and national reference data

When the median values of till in the Forsmark area are compared to the Swedish reference data, the majority of the elements occur in normal amounts. Normal in this context is deviations of the median values up to a factor 2, compared to the median values of the Swedish references (Table 7-1). Calcium and strontium are two exceptions where the content in till in the Forsmark area is clearly higher than the Swedish reference data.

The calcium level in till in the Forsmark area is about 30 times the Swedish reference. The calcium content of the Quaternary deposits originates from the seafloor of Gävlebukten, a bay of Östersjön about 100 km north of the Forsmark site that is covered by Cambrian and Ordovician sedimentary bedrock. The calcium rich material was transported from Gävlebukten and deposited in the Forsmark area during the latest glacial period /Ingemar and Moreborg 1976/. This explanation is supported by the fact that extraordinary high contents of calcite (calcium carbonate) is measured in the till, whereas the granite dominated bedrock lacks calcite (Figure 2-6). The shallow ground waters in the area also show highly elevated concentrations of calcium and bicarbonate, the products formed by the calcite dissolution process.

Strontium occurs in levels about seven times elevated to the Swedish reference. A similar elevation is seen when surface waters in the Forsmark area are compared to a sample of Swedish lakes. The median values of the surface waters in the Forsmark area exceeds the 90th percentile of the Swedish reference lakes, indicating markedly elevated strontium levels. The elevated concentrations in the surface waters are probably caused by the high content of strontium in the till the area. Both calcium and strontium probably originates from the sedimentary bedrock of Gävlebukten.

Some elements show a large spread between minimum and maximum values, e.g. sulphur, iron and vanadium, with a max/min ratio of about 10, while other elements as arsenic, copper and bismuth are more evenly distributed with a max/min ratio of about 3.

7.1.2 Comparisons among samples from the Forsmark area

The variation among the till sample sites within the Forsmark area is shown in Tables 7-2 and 7-3, where arithmetical mean values have been calculated per object in order to get a compact compilation. All observations including individual sub-samples are compiled in Appendices A and B. Stratigraphical information about the individual sub-samples is found in the reports referred in Table 3-7.

Table 7-1. Compilation of ICP-MS analyses of till samples (fraction < 63 µm) from the Forsmark area. Two different solvents were used for extraction prior analysis Aqua Regia (AR) or 7M HNO₃ (HN). Data from a national geochemical survey are used as reference /SGU 2005b/. The reference data are analysed by either ICP-AES or ICP-MS techniques.

| Element | Solv | Unit | Till – Forsmark (ICP-MS) | | | | | | Till – Swedish reference | | | | | | | |
|---------|------------|------|--------------------------|-----|---------|---------|--------|--------|--------------------------|---------|-------|----------|-------|-------|--------|------|
| | | | No | Min | 25-p | 50-p | 75-p | Max | Method | No | Min | 25-p | 50-p | 75-p | Max | |
| Al | Aluminium | AR | % | 43 | 0.36 | 0.52 | 0.61 | 1.03 | 4.92 | ICP-AES | 15822 | < 0.0003 | 0.74 | 1 | 1.3 | 6.7 |
| Ca | Calcium | AR | % | 43 | 2.78 | 6.315 | 7.29 | 8.6 | 10.5 | ICP-AES | 15844 | < 0.001 | 0.22 | 0.29 | 0.36 | 38 |
| Fe | Iron | AR | % | 43 | 0.81 | 1.02 | 1.25 | 1.785 | 8.23 | ICP-AES | 15844 | < 0.001 | 1.2 | 1.6 | 2.1 | 9.3 |
| K | Potassium | AR | % | 43 | 0.07 | 0.12 | 0.14 | 0.225 | 0.47 | ICP-AES | 15844 | < 0.001 | 0.067 | 0.11 | 0.18 | 1.3 |
| Mg | Magnesium | AR | % | 43 | 0.22 | 0.33 | 0.39 | 0.465 | 4.85 | ICP-AES | 15844 | 0.001 | 0.21 | 0.31 | 0.44 | 4.1 |
| Mn | Manganese | AR | % | 43 | 0.025 | 0.032 | 0.038 | 0.042 | 0.19 | ICP-AES | 15844 | < 0.001 | 0.016 | 0.023 | 0.034 | 0.81 |
| Na | Sodium | AR | % | 43 | 0.012 | 0.018 | 0.022 | 0.032 | 0.089 | | | | | | | |
| Na | Sodium | HN | % | 8 | 0.013 | | 0.018 | | 0.023 | ICP-MS | | | | | < 0.02 | |
| P | Phosphorus | AR | % | 43 | 0.044 | 0.054 | 0.058 | 0.061 | 0.168 | ICP-AES | 7341 | < 0.001 | 0.069 | 0.09 | 0.11 | 0.7 |
| S | Sulphur | AR | % | 43 | 0.005 | 0.01 | 0.05 | 0.09 | 0.16 | | | | | | | |
| Ti | Titanium | AR | % | 43 | 0.04 | 0.052 | 0.060 | 0.082 | 0.233 | ICP-MS | | | | | 0.069 | |
| Ag | Silver | AR | ppm | 43 | 0.013 | 0.022 | 0.026 | 0.032 | 0.048 | | | | | | | |
| Ag | Silver | HN | ppm | 8 | 0.06 | | 0.08 | | 0.31 | ICP-MS | | | | | 0.043 | |
| As | Arsenic | AR | ppm | 43 | 0.9 | 1.8 | 2.1 | 2.9 | 4.5 | | | | | | | |
| As | Arsenic | HN | ppm | 8 | 1.7 | | 2.6 | | 3.3 | ICP-MS | | | | | 3.1 | |
| Au | Gold | AR | ppm | 43 | < 0.2 | < 0.2 | 0.3 | 0.85 | 2.6 | AAS | | | | | < 1 | |
| B | Boron | AR | ppm | 43 | 1 | 2 | 3 | 5 | 8 | | | | | | | |
| Ba | Barium | AR | ppm | 43 | 19 | 31 | 36 | 44 | 84.2 | ICP-AES | 15844 | < 10 | 30 | 40 | 50 | 140 |
| Be | Beryllium | HN | ppm | 8 | < 0.2 | | 0.26 | | 0.51 | ICP-MS | | | | | 0.39 | |
| Bi | Bismuth | AR | ppm | 43 | 0.1 | 0.12 | 0.14 | 0.18 | 0.35 | | | | | | | |
| Bi | Bismuth | HN | ppm | 8 | 0.07 | | 0.11 | | 0.17 | ICP-MS | | | | | 0.09 | |
| Cd | Cadmium | AR | ppm | 43 | 0.04 | 0.07 | 0.1 | 0.12 | 0.21 | | | | | | | |
| Cd | Cadmium | HN | ppm | 8 | 0.06 | | 0.09 | | 0.12 | ICP-MS | | | | | 0.073 | |
| Cr | Chromium | AR | ppm | 43 | 7.6 | 12 | 15 | 22 | 77 | ICP-AES | 7341 | < 1 | 9 | 13 | 20 | 230 |
| Cu | Copper | AR | ppm | 43 | 5.6 | 8.26 | 11 | 14 | 16 | ICP-AES | 7341 | < 1 | 8 | 12 | 18 | 229 |
| Ga | Gallium | AR | ppm | 43 | 1.5 | 2.1 | 2.7 | 3.9 | 15.2 | | | | | | | |
| Hg | Mercury | AR | ppm | 43 | < 0.005 | < 0.005 | 0.006 | 0.010 | 0.018 | | | | | | | |
| La | Lanthanum | AR | ppm | 43 | 16 | 21 | 23 | 26 | 42 | ICP-AES | 15844 | < 2 | 21 | 26 | 33 | 338 |
| Li | Lithium | HN | ppm | 8 | < 5 | | 7.5 | | 17 | ICP-MS | | | | | 9.1 | |
| Mo | Molybdenum | AR | ppm | 43 | 0.3 | 0.44 | 0.56 | 0.66 | 1.36 | | | | | | | |
| Mo | Molybdenum | HN | ppm | 8 | 0.18 | | 0.4 | | 1.19 | ICP-MS | | | | | 0.33 | |
| Ni | Nickel | AR | ppm | 43 | 3 | 6 | 7.8 | 14 | 32 | ICP-AES | 15843 | < 2 | 6 | 10 | 15 | 179 |
| Pb | Lead | AR | ppm | 43 | < 5 | 6.5 | 8.3 | 11 | 27 | ICP-AES | 15843 | < 7 | 5 | 9 | 13 | 423 |
| Rb | Rubidium | HN | ppm | 8 | 6.4 | | 15 | | 32 | ICP-MS | | | | | 12.4 | |
| Sb | Antimony | AR | ppm | 43 | 0.02 | 0.03 | 0.05 | 0.08 | 0.41 | | | | | | | |
| Sc | Scandium | AR | ppm | 43 | 1.8 | 2.4 | 2.7 | 3.7 | 23 | | | | | | | |
| Se | Selenium | AR | ppm | 43 | < 0.1 | 0.2 | 0.2 | 0.3 | 0.5 | | | | | | | |
| Se | Selenium | HN | ppm | 8 | 0.15 | | 0.24 | | 0.35 | ICP-MS | | | | | 0.2 | |
| Sn | Tin | HN | ppm | 8 | 0.25 | | 0.48 | | 3 | ICP-MS | | | | | 0.3 | |
| Sr | Strontium | AR | ppm | 43 | 27 | 59 | 72 | 81 | 175 | ICP-AES | 15844 | < 2 | 8 | 11 | 16 | 462 |
| Te | Tellur | AR | ppm | 43 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | 0.03 | | | | | | | |
| Th | Thorium | AR | ppm | 43 | 4.1 | 7.5 | 8.6 | 9.5 | 13 | | | | | | | |
| Th | Thorium | HN | ppm | 8 | 5 | | 6.5 | | 8.4 | ICP-MS | | | | | 7 | |

| Element | Solv Unit | Till – Forsmark (ICP-MS) | | | | | | | Till – Swedish reference | | | | | | | |
|---------|-----------|--------------------------|-----|------|-------|------|------|--------|--------------------------|---------|-------|------|------|-----|----|-------|
| | | No | Min | 25-p | 50-p | 75-p | Max | Method | No | Min | 25-p | 50-p | 75-p | Max | | |
| Tl | Thallium | AR | ppm | 43 | 0.05 | 0.13 | 0.16 | 0.21 | 0.32 | | | | | | | |
| Tl | Thallium | HN | ppm | 8 | 0.1 | | 0.18 | | 0.25 | ICP-MS | | | 0.13 | | | |
| U | Uranium | AR | ppm | 43 | 1.1 | 1.6 | 1.8 | 2.8 | 9 | ICP-MS | | | 1.5 | | | |
| V | Vanadium | AR | ppm | 43 | 11 | 15 | 18 | 27 | 106 | ICP-AES | 7341 | < 2 | 19 | 25 | 32 | 183 |
| W | Tungsten | AR | ppm | 43 | < 0.1 | 0.3 | 0.4 | 0.95 | 5.1 | | | | | | | |
| W | Tungsten | HN | ppm | 8 | < 0.1 | | 0.11 | | 32 | ICP-MS | | | 0.09 | | | |
| Y | Ytterbium | HN | ppm | 8 | 14.6 | | 15.6 | | 21.2 | ICP-MS | | | 11 | | | |
| Zn | Zinc | AR | ppm | 43 | 19 | 26 | 37 | 45 | 141 | ICP-AES | 15843 | < 1 | 25 | 35 | 47 | 2,197 |
| Zr | Zirconium | HN | ppm | 8 | 7.4 | | 8.2 | | 17 | | | | | | | |

Table 7-2. Major constituents in the fine fraction of till (< 63µm) from the Forsmark area (mean values of 1–3 sub-samples per object). Samples were extracted by Aqua Regia, and analysed by ICP-MS. The content of major constituents is expressed as percent of dry weight. The three highest values per element are marked in bold. The number of sub samples per observation are listed in the column headed “Subs”.

| Idcode | Depth (m) | | Subs N | Element (%) | | | | | | | | | | |
|-----------|-----------|-----|-----------|-------------|------------|------------|-------------|-------------|--------------|--------------|--------------|-------------|--------------|--|
| | From | To | | Al | Ca | Fe | K | Mg | Mn | Na | P | S | Ti | |
| HFM11 | 2.5 | 2.5 | 1 | 0.71 | 5.3 | 1.4 | 0.13 | 0.42 | 0.034 | 0.025 | 0.058 | 0.02 | 0.068 | |
| HFM13 | 3 | 3 | 1 | 0.55 | 5.7 | 1.2 | 0.16 | 0.3 | 0.031 | 0.026 | 0.044 | 0.05 | 0.061 | |
| PFM002461 | 2 | 2.4 | 1 | 0.81 | 9.1 | 1.5 | 0.21 | 0.44 | 0.041 | 0.023 | 0.059 | 0.10 | 0.069 | |
| PFM002572 | 5.1 | 5.7 | 1 | 0.73 | 8.1 | 1.3 | 0.19 | 0.39 | 0.036 | 0.022 | 0.061 | 0.08 | 0.070 | |
| PFM002573 | 4.5 | 5 | 1 | 0.52 | 9.0 | 1.0 | 0.13 | 0.33 | 0.035 | 0.016 | 0.054 | 0.06 | 0.052 | |
| PFM002576 | 5 | 5 | 1 | 0.36 | 6.3 | 0.81 | 0.08 | 0.22 | 0.025 | 0.015 | 0.061 | 0.10 | 0.040 | |
| PFM002577 | 0.6 | 0.6 | 1 | 0.52 | 9.2 | 1.2 | 0.13 | 0.32 | 0.038 | 0.015 | 0.059 | 0.02 | 0.049 | |
| PFM002581 | 2.4 | 2.4 | 1 | 0.91 | 7.5 | 1.6 | 0.25 | 0.41 | 0.047 | 0.043 | 0.062 | 0.13 | 0.079 | |
| PFM002582 | 1.7 | 1.7 | 1 | 0.6 | 8.2 | 1.2 | 0.14 | 0.33 | 0.037 | 0.021 | 0.062 | 0.01 | 0.051 | |
| PFM002586 | 1.4 | 1.4 | 1 | 0.76 | 6.4 | 1.3 | 0.16 | 0.46 | 0.038 | 0.019 | 0.054 | 0.01 | 0.069 | |
| PFM002587 | 3 | 3 | 1 | 0.55 | 6.9 | 1.0 | 0.11 | 0.38 | 0.031 | 0.020 | 0.061 | 0.09 | 0.050 | |
| PFM002588 | 2.1 | 2.1 | 1 | 1.0 | 7.6 | 1.7 | 0.27 | 0.51 | 0.038 | 0.024 | 0.060 | 0.08 | 0.089 | |
| PFM002592 | 2.8 | 2.8 | 1 | 1.0 | 7.3 | 1.7 | 0.27 | 0.58 | 0.040 | 0.047 | 0.059 | 0.10 | 0.087 | |
| PFM004514 | 2.8 | 2.8 | 1 | 0.52 | 9.0 | 1.0 | 0.12 | 0.33 | 0.035 | 0.018 | 0.057 | 0.09 | 0.056 | |
| SFM0002 | 1 | 5.5 | 3 | 0.40 | 6.4 | 0.94 | 0.10 | 0.26 | 0.028 | 0.042 | 0.053 | 0.08 | 0.048 | |
| SFM0004 | 1 | 5 | 3 | 0.53 | 9.3 | 1.1 | 0.14 | 0.34 | 0.038 | 0.019 | 0.057 | 0.06 | 0.056 | |
| SFM0005 | 1 | 2 | 3 | 0.91 | 7.4 | 1.6 | 0.21 | 0.40 | 0.040 | 0.023 | 0.057 | 0.01 | 0.078 | |
| SFM0007 | 1 | 5.5 | 3 | 0.89 | 8.6 | 1.6 | 0.21 | 0.44 | 0.042 | 0.025 | 0.063 | 0.01 | 0.079 | |
| SFM0008 | 1 | 5.5 | 3 | 0.92 | 8.4 | 1.6 | 0.23 | 0.46 | 0.041 | 0.022 | 0.060 | 0.04 | 0.075 | |
| SFM0010 | 0.8 | 1.3 | 2 | 0.65 | 7.5 | 1.2 | 0.15 | 0.44 | 0.040 | 0.018 | 0.054 | 0.01 | 0.063 | |
| SFM0011 | 3 | 3.5 | 2 | 0.45 | 6.5 | 0.98 | 0.10 | 0.32 | 0.030 | 0.048 | 0.060 | 0.09 | 0.050 | |
| SFM0016 | 6.6 | 7.2 | 2 | 4.5 | 3.7 | 5.3 | 0.08 | 4.7 | 0.118 | 0.012 | 0.050 | 0.02 | 0.056 | |
| SFM0017 | 3.7 | 4 | 1 | 4.9 | 4.8 | 8.2 | 0.12 | 3.8 | 0.192 | 0.045 | 0.168 | 0.02 | 0.219 | |
| SFM0019 | 4.5 | 4.8 | 1 | 0.5 | 6.4 | 1 | 0.12 | 0.27 | 0.030 | 0.021 | 0.056 | 0.07 | 0.057 | |
| SFM0020 | 2.3 | 2.8 | 1 | 0.49 | 8.4 | 0.93 | 0.12 | 0.31 | 0.032 | 0.018 | 0.058 | 0.08 | 0.051 | |
| SFM0021 | 1.2 | 1.7 | 1 | 0.5 | 9.2 | 1.0 | 0.13 | 0.34 | 0.037 | 0.018 | 0.060 | 0.09 | 0.052 | |
| SFM0049 | 1.5 | 2.5 | 2 | 0.70 | 4.8 | 1.4 | 0.16 | 0.44 | 0.028 | 0.034 | 0.046 | 0.16 | 0.069 | |
| SFM0057 | 1 | 1 | 2 | 1.3 | 2.9 | 2.6 | 0.47 | 0.90 | 0.053 | 0.087 | 0.098 | 0.01 | 0.228 | |

Three sample sites show markedly deviating chemical composition of the till (Table 7-2). SFM0016 and SFM0017 in the vicinity of Lake Eckarfjärden, and to some extent SFM0057, show elevated contents of aluminium, iron, magnesium, manganese and somewhat lowered contents of calcium and sulphur. The differing composition of the till probably reflects a deviating geochemistry of the bedrock in this area as seen in Figure 2-6.

Among the remaining sample sites, sulphur shows a larger variation and a different spatial distribution compared to the other major constituents, which usually are rather evenly distributed.

SFM0016, SFM0017 and SFM0057 also show deviating contents of some of the trace elements. The silver and cadmium contents are especially low, whereas the content of bismuth, boron, gallium, scandium, strontium, uranium, vanadium, and zinc are more or less elevated at these sample sites.

The spatial distribution of calcium, sulphur, strontium and uranium are shown in maps. Many other elements show spatial patterns similar to any of these elements (Figures 7-1 and 7-2). The spatial distribution of some of the heavy metals (e.g. copper, zinc and gold) are presented in /Nilsson 2003, Lindroos et al. 2004/.

Table 7-3. Minor constituents and trace elements, expressed as parts per million, in the fine fraction of till (< 63 µm) from the Forsmark area (means of 1–3 sub-samples per object). Samples were extracted by Aqua regia, and analysed by ICP-MS. The three highest values per element are marked in bold. The number of sub-samples per observation plot, as well as the sampling depth interval, is listed in Table 7-2.

| Idcode | Element (ppm) | | | | | | | | | | | | |
|-----------|---------------|------------|------------|----------|----|-------------|-------------|-----------|-----------|-----|--------------|-------------|-----------|
| | Ag | As | Au | B | Ba | Bi | Cd | Cr | Cu | Ga | Hg | Mo | Ni |
| HFM11 | 0.034 | 1.5 | 1.0 | 2 | 32 | 0.12 | 0.15 | 15 | 13 | 3.0 | 0.005 | 1.03 | 6.6 |
| HFM13 | 0.022 | 1.3 | 2.5 | 2 | 37 | 0.24 | 0.07 | 11 | 8 | 2.6 | < 0.005 | 0.91 | 5.7 |
| PFM002461 | 0.032 | 2.8 | 0.4 | 5 | 43 | 0.15 | 0.10 | 19 | 11 | 3.1 | 0.018 | 0.44 | 10 |
| PFM002572 | 0.028 | 2.5 | < 0.2 | 3 | 37 | 0.12 | 0.09 | 16 | 9.9 | 2.8 | < 0.005 | 0.40 | 8.5 |
| PFM002573 | 0.024 | 2.0 | 0.5 | 3 | 32 | 0.12 | 0.06 | 13 | 8.0 | 2.1 | 0.005 | 0.41 | 6.7 |
| PFM002576 | 0.020 | 1.9 | < 0.2 | 2 | 19 | 0.10 | 0.07 | 7.6 | 5.6 | 1.5 | < 0.005 | 0.39 | 3.0 |
| PFM002577 | 0.029 | 4.2 | 1.0 | 1 | 37 | 0.15 | 0.14 | 12 | 13 | 2.3 | 0.005 | 0.33 | 7.8 |
| PFM002581 | 0.037 | 3.8 | 2.1 | 4 | 45 | 0.14 | 0.11 | 16 | 12 | 3.5 | < 0.005 | 0.65 | 10 |
| PFM002582 | 0.032 | 4.0 | < 0.2 | 2 | 34 | 0.24 | 0.13 | 11 | 15 | 2.4 | < 0.005 | 0.67 | 5.1 |
| PFM002586 | 0.025 | 1.7 | < 0.2 | 1 | 39 | 0.14 | 0.14 | 15 | 16 | 2.8 | 0.010 | 0.31 | 7.2 |
| PFM002587 | 0.023 | 1.3 | 0.2 | 3 | 25 | 0.10 | 0.07 | 17 | 12 | 2.1 | < 0.005 | 0.53 | 6.2 |
| PFM002588 | 0.036 | 3.0 | 0.6 | 5 | 44 | 0.16 | 0.12 | 21 | 12 | 3.7 | < 0.005 | 0.55 | 12 |
| PFM002592 | 0.038 | 3.3 | 1.3 | 5 | 33 | 0.18 | 0.10 | 21 | 14 | 3.9 | 0.010 | 0.62 | 16 |
| PFM004514 | 0.026 | 2.1 | < 0.2 | 3 | 33 | 0.12 | 0.09 | 11 | 7.2 | 2.1 | 0.007 | 0.31 | 5.3 |
| SFM0002 | 0.020 | 1.9 | 0.4 | 2 | 28 | 0.11 | 0.07 | 8.7 | 6.1 | 1.8 | 0.004 | 0.54 | 5.0 |
| SFM0004 | 0.030 | 2.5 | 0.5 | 3 | 35 | 0.14 | 0.11 | 13 | 8.8 | 2.2 | 0.006 | 0.45 | 8.5 |
| SFM0005 | 0.030 | 3.2 | 0.4 | 5 | 44 | 0.17 | 0.13 | 19 | 13 | 3.4 | 0.008 | 0.53 | 13 |
| SFM0007 | 0.030 | 3.3 | 1.0 | 5 | 49 | 0.16 | 0.12 | 23 | 13 | 3.5 | 0.011 | 0.72 | 15 |

| Idcode | Element (ppm) | | | | | | | | | | | | |
|---------|---------------|-----|------------|----------|-----------|-------------|-------------|-----------|-----------|------------|--------------|-------------|-----------|
| | Ag | As | Au | B | Ba | Bi | Cd | Cr | Cu | Ga | Hg | Mo | Ni |
| SFM0008 | 0.040 | 3.7 | 1.3 | 3 | 52 | 0.17 | 0.10 | 20 | 13 | 3.6 | 0.010 | 0.47 | 14 |
| SFM0010 | 0.028 | 1.9 | 0.8 | 2 | 38 | 0.14 | 0.20 | 15 | 14 | 2.7 | 0.008 | 0.61 | 6.8 |
| SFM0011 | 0.020 | 1.8 | 0.2 | 2 | 30 | 0.12 | 0.07 | 15 | 8.7 | 2.0 | < 0.005 | 0.63 | 5.4 |
| SFM0016 | 0.019 | 0.9 | 0.6 | 8 | 24 | 0.30 | 0.04 | 76 | 12 | 14 | < 0.005 | 0.84 | 32 |
| SFM0017 | 0.013 | 1.3 | < 0.2 | 8 | 52 | 0.35 | 0.06 | 12 | 14 | 15 | < 0.005 | 0.60 | 8.5 |
| SFM0019 | 0.024 | 2.3 | < 0.2 | 2 | 30 | 0.12 | 0.07 | 12 | 8.2 | 2.2 | 0.006 | 0.53 | 4.8 |
| SFM0020 | 0.020 | 1.9 | < 0.2 | 2 | 32 | 0.11 | 0.08 | 10 | 7.1 | 2.0 | 0.009 | 0.30 | 5.2 |
| SFM0021 | 0.023 | 2.1 | 0.6 | 2 | 47 | 0.13 | 0.08 | 12 | 9.1 | 2.3 | 0.007 | 0.43 | 6.4 |
| SFM0049 | 0.031 | 1.9 | < 0.2 | 3 | 33 | 0.17 | 0.15 | 18 | 13 | 3.2 | 0.012 | 1.23 | 14 |
| SFM0057 | 0.030 | 1.6 | 0.4 | 5 | 84 | 0.20 | 0.08 | 33 | 11 | 5.3 | 0.008 | 1.35 | 13 |

| | Pb | Sb | Sc | Se | Sr | Te | Th | Tl | U | V | W | Zn | La |
|-----------|-----------|-------------|------------|------------|------------|-------------|------------|-------------|------------|------------|-------|------------|-----------|
| HFM11 | 8.3 | 0.04 | 2.7 | 0.2 | 49 | < 0.02 | 9.8 | 0.13 | 2.1 | 21 | 1.6 | 37 | 24 |
| HFM13 | 7.7 | 0.41 | 2.5 | 0.2 | 52 | < 0.02 | 12 | 0.14 | 3.5 | 14 | 3.5 | 26 | 30 |
| PFM002461 | 7.9 | 0.07 | 3.2 | 0.2 | 85 | < 0.02 | 7.5 | 0.18 | 1.8 | 21 | 0.2 | 34 | 22 |
| PFM002572 | 7.4 | 0.20 | 2.8 | 0.1 | 76 | < 0.02 | 7.3 | 0.17 | 1.6 | 21 | 0.2 | 36 | 20 |
| PFM002573 | 6.7 | 0.04 | 2.2 | 0.2 | 81 | < 0.02 | 6.9 | 0.17 | 1.6 | 17 | 0.2 | 27 | 19 |
| PFM002576 | 5.2 | 0.03 | 1.8 | 0.2 | 54 | < 0.02 | 8.4 | 0.11 | 2.2 | 11 | 0.3 | 19 | 22 |
| PFM002577 | 17 | 0.07 | 2.5 | 0.5 | 80 | 0.03 | 9.1 | 0.28 | 1.7 | 16 | 0.3 | 42 | 23 |
| PFM002581 | 10 | 0.09 | 3.2 | 0.2 | 62 | < 0.02 | 7.5 | 0.21 | 1.8 | 23 | 0.1 | 41 | 20 |
| PFM002582 | 12 | 0.07 | 2.9 | 0.2 | 72 | < 0.02 | 8.2 | 0.16 | 1.6 | 16 | 0.3 | 32 | 23 |
| PFM002586 | 11 | 0.02 | 3.0 | 0.1 | 60 | < 0.02 | 9.3 | 0.20 | 1.3 | 20 | 0.3 | 41 | 22 |
| PFM002587 | 6.2 | 0.03 | 2.2 | 0.2 | 64 | < 0.02 | 8.0 | 0.12 | 5.9 | 18 | 0.3 | 24 | 18 |
| PFM002588 | 8.6 | 0.07 | 3.7 | 0.2 | 76 | < 0.02 | 8.1 | 0.23 | 2.3 | 27 | 0.1 | 40 | 23 |
| PFM002592 | 8.1 | 0.09 | 3.4 | 0.4 | 83 | < 0.02 | 8.6 | 0.23 | 2.3 | 26 | 0.2 | 45 | 24 |
| PFM004514 | 6.4 | 0.03 | 2.5 | 0.1 | 82 | < 0.02 | 7.1 | 0.16 | 1.5 | 15 | 0.3 | 25 | 20 |
| SFM0002 | 6.4 | 0.06 | 2.1 | 0.2 | 59 | < 0.02 | 9.2 | 0.12 | 2.9 | 13 | 1.0 | 21 | 24 |
| SFM0004 | 9.4 | 0.04 | 2.4 | 0.2 | 83 | 0.02 | 7.4 | 0.18 | 1.7 | 16 | 0.5 | 31 | 20 |
| SFM0005 | 10.6 | 0.07 | 3.2 | 0.2 | 74 | < 0.02 | 8.6 | 0.25 | 1.2 | 24 | 0.7 | 41 | 24 |
| SFM0007 | 10.1 | 0.07 | 3.4 | 0.3 | 82 | 0.02 | 8.8 | 0.26 | 1.6 | 24 | 1.7 | 43 | 25 |
| SFM0008 | 10.4 | 0.07 | 3.4 | 0.3 | 79 | 0.02 | 8.6 | 0.24 | 1.4 | 24 | 0.6 | 47 | 25 |
| SFM0010 | 9.6 | 0.04 | 2.6 | 0.2 | 68 | 0.02 | 9.0 | 0.18 | 1.8 | 18 | 0.6 | 47 | 23 |
| SFM0011 | 5.1 | 0.04 | 2.2 | 0.2 | 59 | < 0.02 | 9.1 | 0.11 | 2.2 | 14 | 0.5 | 22 | 22 |
| SFM0016 | 26 | 0.02 | 22 | < 0.1 | 102 | < 0.02 | 4.2 | 0.05 | 7.6 | 78 | < 0.1 | 103 | 16 |
| SFM0017 | 14 | 0.03 | 8.2 | 0.2 | 175 | < 0.02 | 7.7 | 0.06 | 9.0 | 106 | 0.3 | 141 | 42 |
| SFM0019 | 7.3 | 0.05 | 2.5 | 0.2 | 56 | < 0.02 | 9.5 | 0.14 | 2.9 | 15 | 0.3 | 23 | 26 |
| SFM0020 | 6.3 | 0.02 | 2.2 | 0.2 | 76 | < 0.02 | 6.9 | 0.16 | 1.5 | 15 | 0.2 | 24 | 20 |
| SFM0021 | 6.3 | 0.05 | 2.5 | 0.2 | 82 | 0.02 | 8.1 | 0.15 | 2.6 | 15 | 0.2 | 28 | 24 |
| SFM0049 | 13 | 0.08 | 3.5 | 0.3 | 48 | < 0.02 | 13 | 0.12 | 3.7 | 18 | 3.1 | 37 | 39 |
| SFM0057 | 5.9 | 0.06 | 7.2 | 0.2 | 27 | < 0.02 | 9.6 | 0.22 | 5.2 | 61 | 4.8 | 42 | 27 |



Figure 7-1. Contents of calcium (upper) and strontium (lower) in till, expressed as ppm of dry weight (DW). It should be noted that the sample plots in the maps represent different stratigraphical positions, thus leading to uncertain comparisons between sites.



Figure 7-2. Contents of sulphur (upper) and uranium (lower) in till, expressed as ppm of dry weight (DW). It should be noted that the sample plots in the maps represent different stratigraphical positions, thus leading to uncertain comparisons between sites.

7.1.3 The distribution of calcium carbonate

Almost all till samples in the Forsmark area contain between 10 to 30 percent calcium carbonate (calcite) per dry weight. The only exception is the test pit PFM002783, located west of Vambörsfjärden, which contains about 0.4% calcite. The median calcite content in the Forsmark area is 21% (Table 7-4).

The spatial pattern for the calcium carbonate content is outlined in Figure 7-3. The coloured dots represent the calcium carbonate content in the uppermost till layer. All observations sampled below 2 m have been excluded in order to make the map more consistent.

The map shows a rather scattered spatial distribution of calcium carbonate. There is a north to south oriented band in the middle of the area, from the nuclear power plant to Lake Eckarfjärden, where slightly lower values predominate. A cluster of especially high values is seen in the eastern part of the Forsmark area, near drill site 3.

There is no clear correlation between the content of calcium carbonate and depth, as seen in Figure 7-4. In the categories HFM, PFM or SFM, the distributions indicate that there is no general correlation between calcium carbonate and sampling depth.

Table 7-4. Content of calcium carbonate in 173 till samples from the Forsmark area. All available till samples are included in the statistics.

| Minimum | 10-percentile | 25-percentile | Median | 75-percentile | 90-percentile | Maximum | Mean |
|---------|---------------|---------------|--------|---------------|---------------|---------|------|
| 0.4 | 11 | 16 | 21 | 27 | 30 | 34 | 21 |

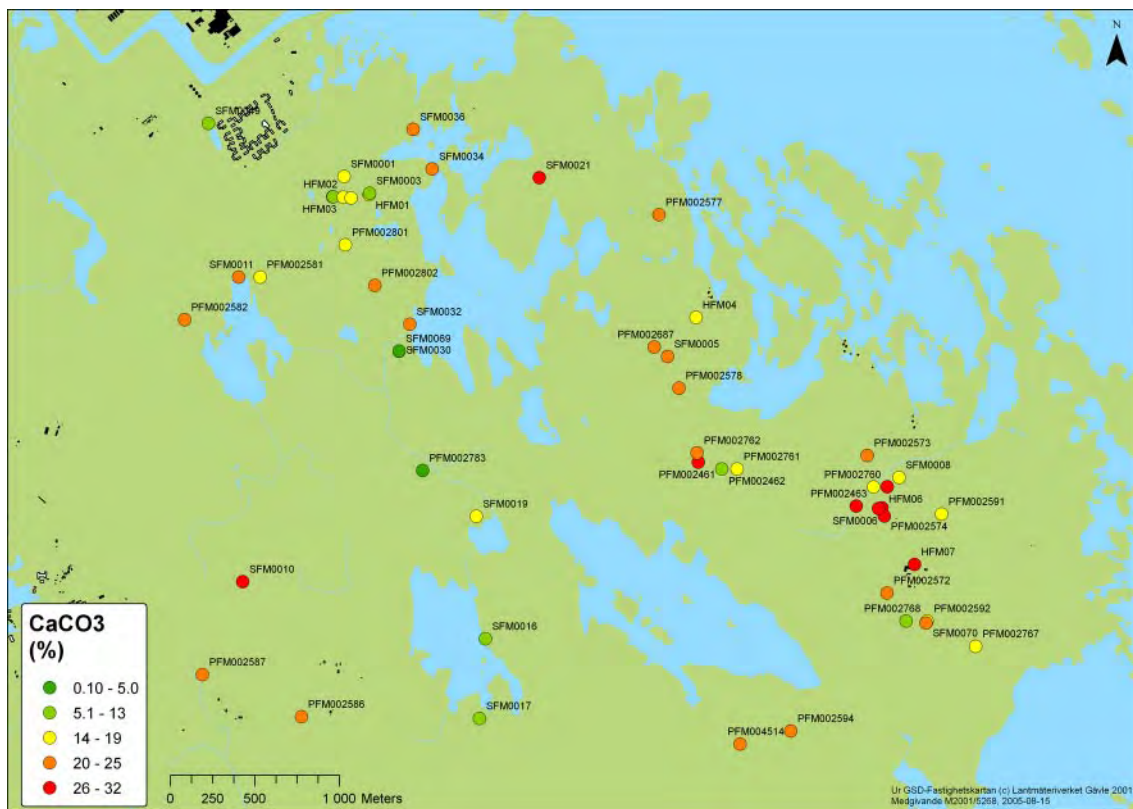


Figure 7-3. Calcium carbonate content in the uppermost layer of the till. All samples below a depth of 2 m have been excluded in order to make the map more consistent. The calcite contents at different stratigraphical depths are compiled in Table 7-5.

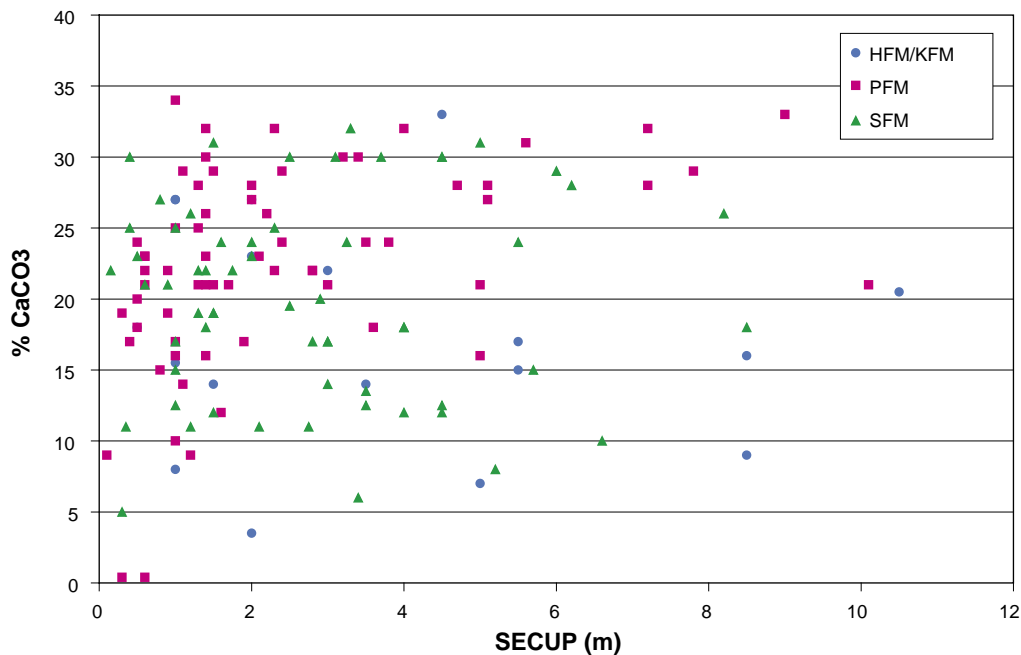


Figure 7-4. Content of calcium carbonate correlated to sample depth. All individual sub-samples of soil tubes (SFM), pits and trenches (PFM), percussion boreholes (HFM) and core bore holes (KFM) are plotted in the figure.

The content of calcium carbonate per sampling site is compiled in Table 7-5. The variation among the sub-samples at each sample site is shown by minimum and maximum values. In Appendix 5, there is a complete compilation of the calcium carbonate content in all samples.

7.1.4 Relationships among the elements in till

To reveal relationships among elements in till and among the observations, a coarse Principal Component Analysis was conducted. In Figure 7-5, the two first principal components, which together describe 55% of the variation in the material, are displayed in both variable and observation space.

Three major groupings among the variables can be distinguished:

1. The uppermost group containing e.g. potassium, barium, thallium and silver.
2. The rightmost group containing e.g. magnesium, aluminium and iron.
3. The group to the lower left containing calcium and sulphur.

The antagonism between calcium and the other major elements is partly a consequence of the fact that the parameters represent fractions. When the calcium fraction increases due to high content of calcium carbonate, the fractions of the other major elements are consequently lowered.

The rightmost group is dominated by the deviating observations of SFM0016, SFM0017 and to some extent SFM0057. In these observations, the content of aluminium, magnesium and iron, as well as zinc, vanadium and uranium are elevated. The contents of calcium and sulphur are low. The horizontal principal component (F1) probably reflects variation of the bedrock geochemistry in the area, where the south-western part, in the vicinity of Lake Eckarfjärden, shows a deviating rock composition, cf Figure 2-6 (bedrock map).

Table 7-5. Content of calcium carbonate in till in the Forsmark area. Minimum, maximum and mean values of sub-samples at each sample site (IDCODE). The sample depth interval corresponds to the minimum upper section (SECUP) and the maximum lower section (SECLow) of the geochemical sample levels.

| Idcode | Depth | | Subs no | CaCO ₃ (%) | | | | Depth | | Subs no | CaCO ₃ (%) | | |
|-----------|-------|------|---------|-----------------------|------|-----|-----------|-------|-----|---------|-----------------------|------|-----|
| | From | To | | min | mean | max | | From | To | | min | mean | max |
| HFM01 | 1.0 | 9.5 | 3 | 9 | 14 | 17 | PFM002802 | 1.3 | 1.3 | 1 | 21 | 21 | 21 |
| HFM02 | 1.5 | 11.5 | 3 | 14 | 16 | 21 | PFM003742 | | | 1 | 19 | 19 | 19 |
| HFM03 | 1.0 | 9.5 | 3 | 8 | 13 | 16 | PFM004514 | 0.9 | 2.8 | 5 | 12 | 20 | 22 |
| HFM04 | 0.5 | 0.9 | 1 | 18 | 18 | 18 | SFM0001 | 1.5 | 4.0 | 3 | 13 | 17 | 20 |
| HFM05 | 2.0 | 3.5 | 2 | 22 | 23 | 23 | SFM0002 | 1.0 | 5.5 | 3 | 13 | 15 | 17 |
| HFM06 | 1.0 | 1.5 | 1 | 27 | 27 | 27 | SFM0003 | 1.0 | 9.0 | 3 | 13 | 15 | 18 |
| HFM07 | 1.0 | 1.5 | 1 | 27 | 27 | 27 | SFM0004 | 2.5 | 3.0 | 1 | 30 | 30 | 30 |
| HFM08 | 2.0 | 4.5 | 2 | 27 | 30 | 33 | SFM0005 | 1.0 | 1.5 | 1 | 25 | 25 | 25 |
| KFM01A | 2.0 | 5.5 | 2 | 4 | 5 | 7 | SFM0006 | 1.5 | 1.5 | 1 | 31 | 31 | 31 |
| PFM002461 | 1.1 | 2.4 | 2 | 28 | 29 | 29 | SFM0007 | 2.0 | 4.5 | 2 | 23 | 27 | 30 |
| PFM002462 | 0.1 | 2.4 | 3 | 9 | 18 | 26 | SFM0008 | 1.5 | 5.0 | 3 | 19 | 27 | 31 |
| PFM002463 | 1.4 | 10.8 | 4 | 21 | 28 | 32 | SFM0010 | 0.8 | 1.3 | 1 | 27 | 27 | 27 |
| PFM002464 | 3.5 | 9.4 | 6 | 21 | 28 | 33 | SFM0011 | 0.5 | 3.5 | 3 | 17 | 21 | 24 |
| PFM002572 | 1.4 | 5.7 | 3 | 23 | 27 | 32 | SFM0016 | 0.4 | 7.2 | 5 | 10 | 14 | 22 |
| PFM002573 | 1.4 | 3.7 | 2 | 21 | 26 | 30 | SFM0017 | 1.2 | 3.7 | 3 | 11 | 16 | 19 |
| PFM002574 | 1.4 | 1.8 | 1 | 26 | 26 | 26 | SFM0018 | 2.9 | 4.6 | 2 | 18 | 19 | 20 |
| PFM002576 | 1.9 | 5.0 | 2 | 16 | 17 | 17 | SFM0019 | 1.0 | 5.5 | 3 | 8 | 14 | 18 |
| PFM002577 | 0.6 | 0.6 | 1 | 23 | 23 | 23 | SFM0020 | 2.3 | 2.8 | 1 | 25 | 25 | 25 |
| PFM002578 | 1.3 | 3.8 | 2 | 24 | 25 | 25 | SFM0021 | 0.4 | 1.7 | 2 | 26 | 28 | 30 |
| PFM002581 | 1.0 | 3.8 | 3 | 16 | 19 | 24 | SFM0022 | 4.0 | 4.6 | 1 | 12 | 12 | 12 |
| PFM002582 | 0.6 | 1.7 | 2 | 21 | 22 | 22 | SFM0026 | 3.4 | 6.8 | 2 | 6 | 17 | 28 |
| PFM002586 | 0.6 | 1.4 | 2 | 16 | 19 | 21 | SFM0027 | 3.3 | 3.7 | 1 | 32 | 32 | 32 |
| PFM002587 | 1.0 | 3.0 | 2 | 21 | 23 | 25 | SFM0028 | 3.1 | 7.0 | 3 | 24 | 28 | 30 |
| PFM002588 | 2.1 | 2.1 | 1 | 23 | 23 | 23 | SFM0030 | 0.6 | 3.4 | 3 | 17 | 19 | 21 |
| PFM002589 | 1.3 | 4.7 | 3 | 28 | 28 | 29 | SFM0032 | 0.9 | 1.2 | 1 | 21 | 21 | 21 |
| PFM002590 | 2.3 | 2.3 | 1 | 32 | 32 | 32 | SFM0034 | 0.2 | 1.6 | 2 | 22 | 22 | 22 |
| PFM002591 | 0.9 | 3.2 | 3 | 19 | 25 | 30 | SFM0036 | 0.4 | 1.2 | 1 | 25 | 25 | 25 |
| PFM002592 | 1.1 | 2.8 | 3 | 9 | 15 | 22 | SFM0049 | 1.5 | 2.5 | 1 | 12 | 12 | 12 |
| PFM002594 | 0.6 | 1.4 | 2 | 23 | 27 | 30 | SFM0062 | 2.8 | 3.2 | 1 | 11 | 11 | 11 |
| PFM002687 | 0.5 | 1.5 | 3 | 24 | 29 | 34 | SFM0063 | 2.1 | 2.9 | 1 | 11 | 11 | 11 |
| PFM002760 | 1.0 | 1.0 | 1 | 17 | 17 | 17 | SFM0064 | 2.0 | 4.4 | 1 | 24 | 24 | 24 |
| PFM002761 | 0.5 | 0.5 | 1 | 18 | 18 | 18 | SFM0065 | 3.7 | 4.0 | 1 | 30 | 30 | 30 |
| PFM002762 | 0.5 | 0.5 | 1 | 20 | 20 | 20 | SFM0069 | 0.3 | 0.7 | 1 | 5 | 5 | 5 |
| PFM002767 | 0.8 | 0.8 | 1 | 15 | 15 | 15 | SFM0070 | 1.4 | 1.7 | 1 | 22 | 22 | 22 |
| PFM002768 | 1.0 | 1.0 | 1 | 10 | 10 | 10 | SFM0071 | 3.3 | 3.5 | 1 | 24 | 24 | 24 |
| PFM002783 | 0.3 | 0.6 | 2 | 0.4 | 0.4 | 0.4 | SFM0072 | 8.2 | 8.7 | 1 | 26 | 26 | 26 |
| PFM002801 | 0.4 | 0.4 | 1 | 17 | 17 | 17 | | | | | | | |

The second principal component probably reflects the composition of the calcium rich till transported from the Bay of Gävlebukten. This till, which of course shows high content of calcium, is also enriched in sulphur, strontium and magnesium. The low content of e.g. potassium, barium and thallium, is probably an effect of dilution when the 'local' till is diluted by the calcium rich till.

7.2 Chemical composition of sediments

Analyses of the total content of organic carbon, nitrogen, sulphur and content of calcium carbonate have been conducted on sediment from five lakes in the Forsmark area. Additionally, sediment samples from Lake Stocksjön have been analysed regarding chemical composition. The analysed sediments range from algal gyttja to glacial clay.

The sediment analyses are summarised in Table 7-6. In /Hedenström 2004/, raw data and details regarding sampling locations and stratigraphy are compiled and evaluated. Stratigraphy and contents of organic pollutants in the surface sediments have been characterised by /Borgiel 2004/.

Table 7-6. Available analyses of marine and lacustrine sediments in the Forsmark area. The sampling includes different sub samples of the sediment column below the surface sediments.

| Lake | Idcode | Analysis |
|--------------------|-----------|--|
| Lake Fiskarfjärden | PFM004193 | Grain size |
| Lake Fiskarfjärden | FPM004204 | CNS, CaCO ₃ ; XRD, Grain size |
| Lake # 5 | FPM004205 | CNS, CaCO ₃ , XRD Grain size |
| Lake Bredviken | PFM004216 | Grain size; CaCO ₃ |
| Lake Graven | PFM004222 | Grain size |
| Lake Puttan | FPM004280 | CNS, CaCO ₃ |
| Lake Stocksjön | PFM004284 | CaCO ₃ , Chemical composition |
| Lake Eckarfjärden | PFM004294 | Grain size |

7.2.1 Organic carbon, nitrogen and sulphur and calcium carbonate

The content of calcium carbonate in the sediment samples are shown in Figure 7-6, where the depth is plotted versus the calcium carbonate content expressed as percent of dry weight. There is a large spread between the five samples. Lake Puttan and Lake Fiskarfjärden show low calcium carbonate content in the upper meters of the sediments. In Lake Fiskarfjärden, the calcium carbonate content rises at a depth of four meters to the same level found in till.

The other three sampled lake sediments show high levels of calcium carbonate in the deeper sediment. The samples from Lake Stocksjön deviates by showing extremely high calcium carbonate content in calcareous gyttja at about one meters depth from the surface of the lake ice (about 60% calcium carbonate). This high level has not been observed in any till samples.

The total content of carbon, nitrogen and sulphur was analysed in the upper part of the sediment column from three coring sites. The stratigraphical distribution of the elements in the sediment columns is shown in Figure 7-6. In the three sites investigated, all elements increase upwards. At Lake Fiskarfjärden and Lake Puttan the carbon and nitrogen content increase in two steps. At around 2 m depth, i.e. at the transition from postglacial clay to gyttja clay and at c 1.6 m, the carbon and nitrogen content increases further as the sediment change to algal gyttja. Sulphur is slightly more evenly distributed through the sediment profile, but there are tendencies for steeper transitions at levels similar to nitrogen and carbon.

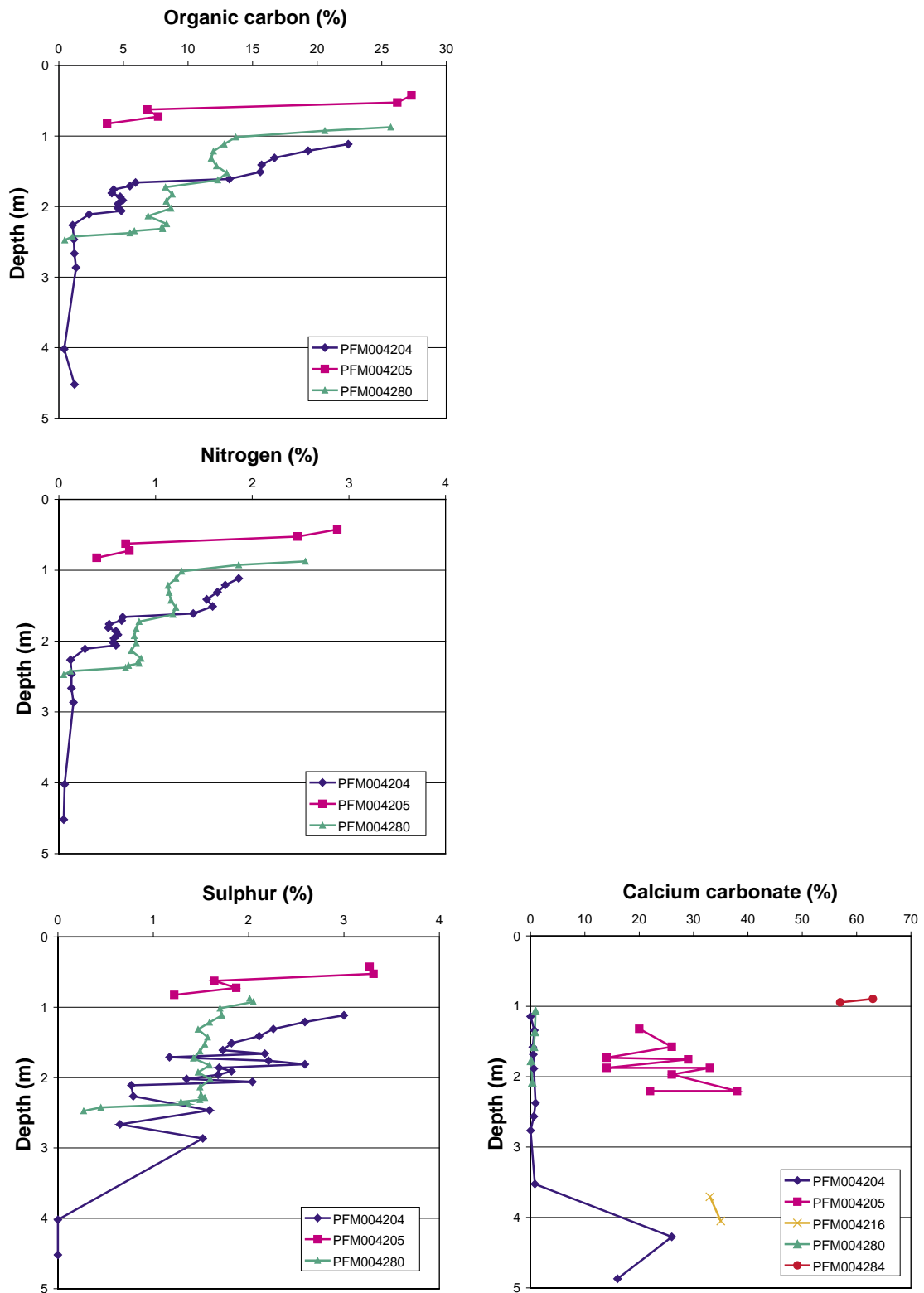


Figure 7-6. The contents of organic carbon, nitrogen, sulphur and calcium carbonate of marine sediments in the Forsmark area. The water depth at the coring sites were 0.6 m at PFM004204, 0.3 m at PFM004205, 0.9 m at PFM004280 and 0.6 m at PFM004284. Depth measured from surface of the lake ice.

7.2.2 Distribution of elements in a sediment core from Lake Stacksjön

A core sample taken in the sediments of Lake Stacksjön (PFM004284) was analysed for contents of major constituents and trace elements at twelve levels, ranging from 0 to 55 cm. The contents of major constituents are compiled in Table 7-7 and trace elements in Table 7-8. Sediment data representing rather shallow lake sediments from northern and southern Sweden are used as reference /Litner and Holm 2003/, in combination with data from deeper sediments consisting mainly of glacial and post glacial clay /SGU 2005b/.

Table 7-7. Contents of major constituents in a core sample of sediment from Lake Stacksjön in the Forsmark area (unpubl. data from A. Brunberg, Uppsala University). Abbreviations used in the PCA below are listed in the column denoted 'Abb'.

| Depth | Abb | TS % | Ash % | SiO ₂ % TS | Al ₂ O ₃ % TS | CaO % TS | Fe ₂ O ₃ % TS | K ₂ O % TS | MgO % TS | MnO % TS | Na ₂ O % TS | P ₂ O ₅ % TS | TiO ₂ % TS | Sum % TS |
|---------|-----|------|-------|-----------------------|-------------------------------------|----------|-------------------------------------|-----------------------|----------|----------|------------------------|------------------------------------|-----------------------|----------|
| 0–5cm | D0 | 96 | 45 | 13 | 0.36 | 17 | 0.33 | 0.17 | 0.19 | 0.053 | 0.13 | 0.12 | 0.023 | 31 |
| 5–10cm | D5 | 95 | 46 | 14 | 0.40 | 16 | 0.34 | 0.14 | 0.18 | 0.055 | 0.10 | 0.08 | 0.035 | 31 |
| 10–15cm | D10 | 95 | 53 | 15 | 0.60 | 19 | 0.51 | 0.15 | 0.21 | 0.052 | 0.12 | 0.09 | 0.032 | 36 |
| 15–20cm | D15 | 95 | 56 | 18 | 0.75 | 18 | 0.70 | 0.16 | 0.19 | 0.028 | 0.15 | 0.08 | 0.033 | 38 |
| 20–25cm | D20 | 96 | 58 | 18 | 0.49 | 21 | 0.59 | 0.12 | 0.17 | 0.023 | 0.11 | 0.07 | 0.020 | 40 |
| 25–30cm | D25 | 96 | 70 | 14 | 0.53 | 30 | 0.67 | 0.18 | 0.25 | 0.034 | 0.13 | 0.05 | 0.024 | 46 |
| 30–35cm | D30 | 95 | 56 | 30 | 4.6 | 8.1 | 2.7 | 1.2 | 0.82 | 0.036 | 0.65 | 0.08 | 0.22 | 48 |
| 35–40cm | D35 | 95 | 49 | 23 | 3.2 | 8.9 | 2.2 | 0.83 | 0.61 | 0.029 | 0.53 | 0.08 | 0.16 | 40 |
| 40–45cm | D40 | 94 | 34 | 16 | 2.8 | 3.2 | 2.2 | 0.72 | 0.57 | 0.027 | 0.49 | 0.08 | 0.14 | 26 |
| 45–50cm | D45 | 95 | 49 | 28 | 5.6 | 3.0 | 3.2 | 1.4 | 1.0 | 0.040 | 0.87 | 0.09 | 0.28 | 43 |
| 50–54cm | D50 | 96 | 53 | 32 | 6.2 | 3.0 | 3.5 | 1.5 | 1.1 | 0.041 | 0.91 | 0.09 | 0.30 | 48 |
| 54–55cm | D54 | 97 | 73 | 46 | 8.4 | 2.9 | 3.7 | 2.3 | 1.3 | 0.044 | 1.2 | 0.10 | 0.37 | 67 |

There is a clear alteration of the chemical composition between 25 and 35 cm depth in the sediment profile. This distinct change in chemical composition is probably due to the transition from a bay of the Baltic Sea to an isolated lake, leading to decreased input of minerogenic material and accumulation of algal gyttja in the freshwater lake.

The content of aluminium, iron, potassium, magnesium, sodium, and titanium is markedly lower after the transition from sea to lake, whereas the content of calcium is higher. The content of manganese and phosphorus show no level shift in connection to the transition.

Many trace metals occur in markedly lower levels in superficial sediments from Forsmark, compared to lake sediments from southern and northern parts of Sweden. This is especially evident for cobalt, chromium, mercury, lead, thorium and vanadium. Copper and zinc occur in rather normal levels in the Forsmark sediments, whereas tungsten occurs at elevated levels.

In the deeper sediments from Lake Stacksjön, the content of rubidium and zirconium seems to be elevated compared to the available references.

The variation among the elements in the different levels of the sediment core was explored by principal component analysis. In Figure 7-7 and 7-8 the relationships among elements and observations (the different sediment layers) are revealed. The four principal components explain in all 93% of the variation in the material (65%, 15%, 7% and 6%, respectively).

Table 7-8. Contents of trace elements in two different layers of a sediment core sample from Lake Stocksjön in the Forsmark area (ppm DW). Reference data from lake sediments and deeper samples of glacial and post glacial clay.

| Element | Forsmark ^a | | Lake sediments of South Sweden ^b | | Lake sediments of north Sweden ^b | | Glacial and post glacial clay in Sweden ^c c 1 m | |
|---------|-----------------------|---------|---|--------|---|--------|---|------|
| | 0–5cm | 54–55cm | 0–1cm | c 20cm | 0–1cm | c 20cm | | |
| As | Arsenic | 1.0 | 4.5 | 21 | 11 | 86 | 21 | 3.4 |
| B | Boron | 36 | 37 | | | | | |
| Ba | Barium | 100 | 380 | 170 | 160 | 380 | 180 | 80 |
| Be | Beryllium | < 0.3 | 1.6 | 3.1 | 2.1 | 1.1 | 1.4 | 0.99 |
| Cd | Cadmium | 0.24 | 0.76 | 3.6 | 1.7 | 1.0 | 0.6 | 0.08 |
| Ce | Cerium | 13 | 83 | 190 | 190 | 66 | 83 | |
| Co | Cobalt | 0.45 | 7.2 | 15 | 13 | 16 | 11 | 9.6 |
| Cr | Chromium | 1.7 | 34 | 20 | 17 | 23 | 24 | 22 |
| Cs | Cesium | 0.10 | 3.4 | 1.2 | 0.9 | 1.5 | 1.6 | |
| Cu | Copper | 19 | 44 | 32 | 23 | 14 | 16 | 16 |
| Dy | Dysprosium | 1.2 | 6.1 | 12 | 12 | 5 | 7 | |
| Er | Erbium | < 0.1 | 2.1 | 8 | 8 | 3 | 4 | |
| Eu | Europium | < 0.05 | 0.86 | 2.9 | 2.9 | 1.0 | 1.3 | |
| Ga | Gallium | < 1 | < 1 | 6.9 | 5.9 | 5.0 | 4.6 | |
| Gd | Gadolinium | < 0.3 | 1.8 | 18 | 17 | 8 | 10 | |
| Hf | Hafnium | < 0.1 | 4.4 | 0.55 | 0.49 | 0.73 | 0.37 | |
| Hg | Mercury | 0.069 | 0.058 | 0.23 | 0.15 | 0.18 | 0.12 | |
| Ho | Holmium | 0.83 | 1.2 | 2.5 | 2.4 | 1.1 | 1.3 | |
| La | Lanthanum | 8.0 | 43 | 103 | 105 | 33 | 46 | 40 |
| Li | Lithium | 0.65 | 20 | 6 | 5.7 | 9.7 | 12 | 19 |
| Lu | Lutetium | 0.15 | 0.55 | 1.2 | 1 | 0.4 | 0.5 | |
| Mn | Manganese | 390 | 260 | 2,500 | 1,100 | 9,500 | 1,200 | 440 |
| Mo | Molybdenum | < 2 | 20 | 2.1 | 1.8 | 9.8 | 7.1 | 0.36 |
| Nb | Niobium | < 0.2 | 11 | 0.9 | 0.89 | 1.1 | 1.5 | |
| Nd | Neodymium | 7.0 | 39 | 101 | 101 | 37 | 51 | |
| Ni | Nickel | < 5 | 19 | 14 | 10.8 | 19 | 20 | 16 |
| Pb | Lead | 12 | 13 | 214 | 110 | 33 | 19 | 12 |
| Pr | Praseodymium | < 1 | 15 | 26 | 27 | 9 | 13 | |
| Rb | Rubidium | < 2 | 132 | 11 | 10 | 16 | 16 | 12 |
| S | Sulphur | 8,600 | 470 | | | | | |
| Sb | Antimony | 0.089 | < 0.02 | 0.84 | 0.34 | 0.14 | 0.07 | |
| Sc | Scandium | < 0.5 | 8.1 | | | | | |
| Sm | Samarium | < 0.3 | 5.6 | 18 | 17 | 7 | 10 | |
| Sn | Tin | < 1 | 2.9 | 3.2 | 0.83 | 0.8 | 0.2 | 0.27 |
| Sr | Strontium | 51 | 87 | 57 | 53 | 32 | 34 | 23 |
| Ta | Tantalum | < 0.06 | 0.87 | 0.04 | 0.034 | 0.02 | 0.02 | |
| Tb | Terbium | 0.36 | 0.58 | 2.6 | 2.5 | 0.12 | 0.06 | |
| Th | Thorium | 1.2 | 12 | 11 | 11 | 6 | 6 | 12 |
| Tm | Thulium | 0.32 | 0.68 | 1.1 | 1 | 0.4 | 0.5 | |
| U | Uranium | 2.9 | 24 | 4.8 | 4.9 | 6.4 | 9 | 2.5 |
| V | Vanadium | 1.6 | 35 | 52 | 37 | 31 | 30 | 41 |
| W | Tungsten | 0.64 | 2.6 | 0.18 | 0.08 | 0.7 | 0.4 | 0.05 |
| Y | Yttrium | 4.3 | 24 | 68 | 63 | 27 | 36 | 23 |
| Yb | Ytterbium | < 0.2 | 3.4 | 7.5 | 6.7 | 2.9 | 3.6 | |
| Zn | Zinc | 53 | 85 | 310 | 180 | 180 | 180 | 63 |
| Zr | Zirconium | 6.6 | 120 | 10 | 8.4 | 15 | 8.9 | |

a. Unpublished data from A. Brunberg, Uppsala University

b. Content of acid soluble (7M HNO₃) metals and half-metals from Litner et al. 2003. ICP-MS analysis technique.

c. Post glacial and glacial clays at a depth of approximately 1 meter. Median values from the geochemical database of /SGU 2005b/. Solvent 7M HNO₃ and ICP-MS analysis technique.

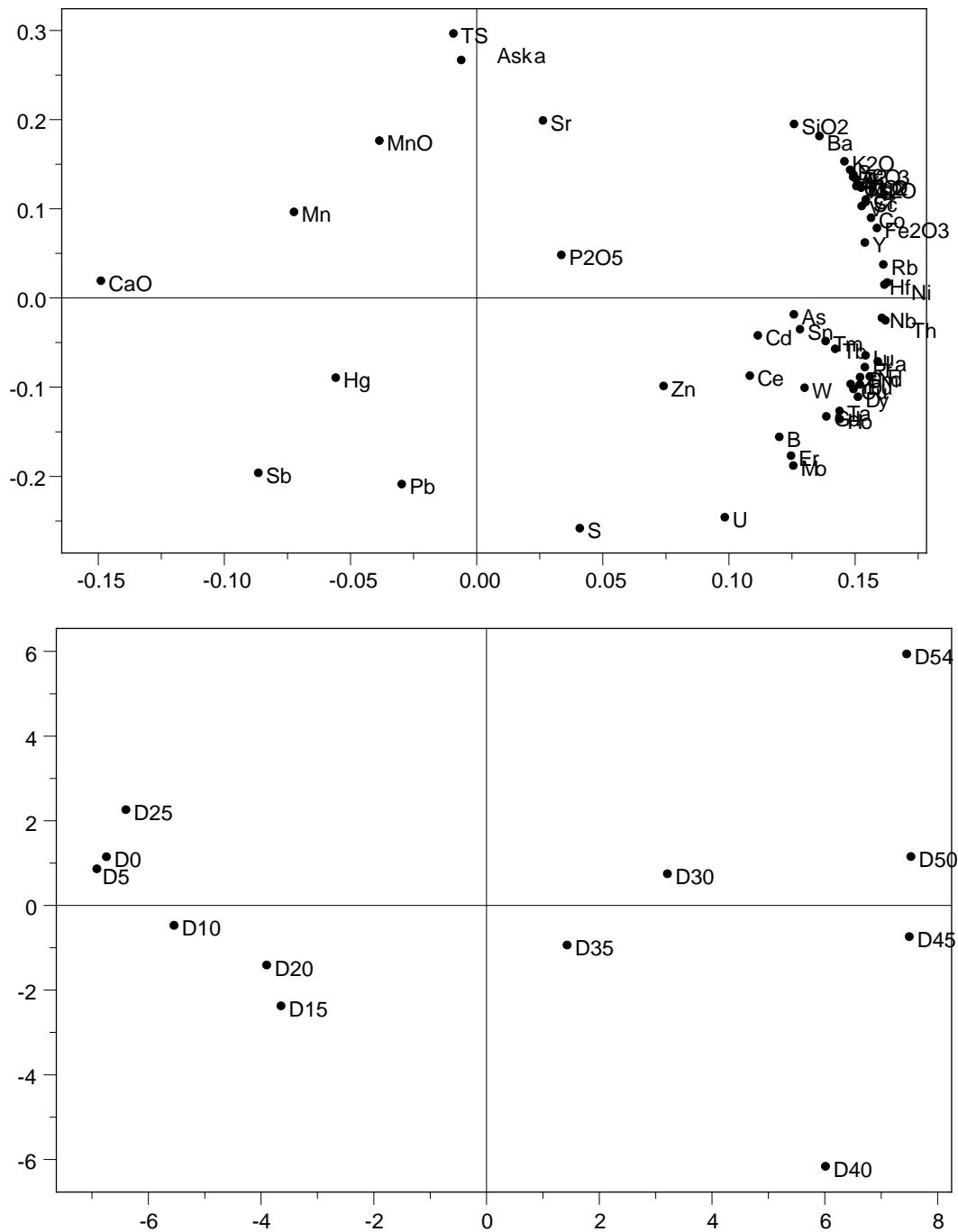


Figure 7-7. Principal component analysis on data from a sediment core from Lake Stacksjön in the Forsmark area (unpubl. data from A. Brunberg, Uppsala University). The loading plot (upper) reveals relationships among variables, and the score plot (lower) relationships among observations on the two first (horizontal) and second (vertical) principal components, which together explain 80% of the total variation. The abbreviations used for the observations correspond to the sub-sample depth expressed in centimetres.

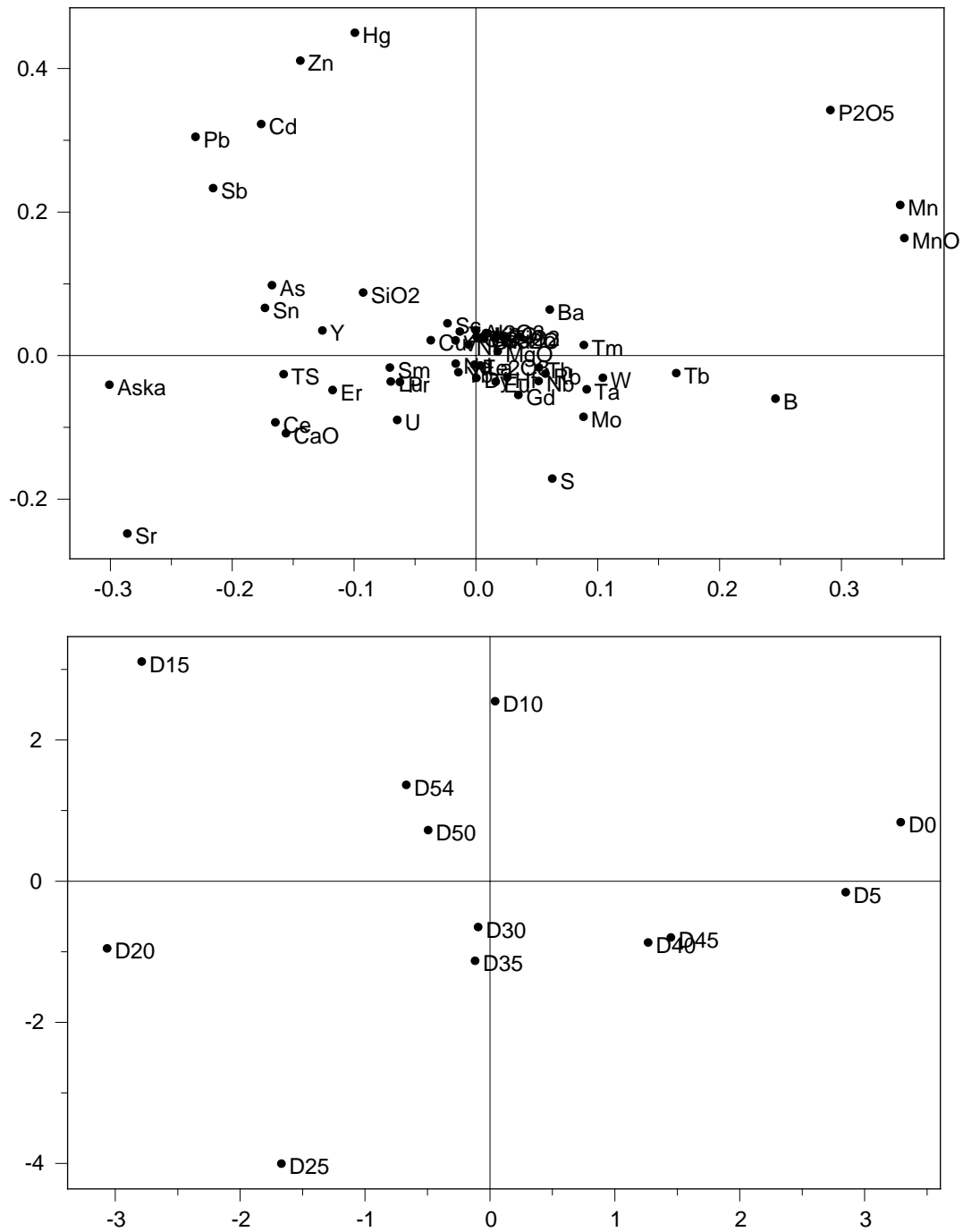


Figure 7-8. Principal component analysis of a sediment core from Lake Stocksjön in the Forsmark area (unpubl. data from A. Brunberg, Uppsala University). The loading plot (upper) reveals relationships among variables, and the score plot (lower) relationships among observations on the two third (horizontal) and fourth (vertical) principal components, which together explain 13% of the total variation. The abbreviations used for the observations correspond to the sub-sample depth expressed in centimetres.

The *first principal component* describes the transition from marine to lacustrine sediments. The layers D0 to D25 (corresponding to the depth interval 0–30 cm) at the left side of Figure 7-7 are lacustrine sediments, and D40 to D54 at the right side are marine sediments. D30 to D35 that show intermediate characteristics represent the transition period. Most elements occur at higher levels in the marine sediments, except for e.g. calcium, manganese, mercury, antimony and lead. Strontium, phosphorus and sulphur show minor correlations to the transition from marine to fresh water.

The *second principal component* mainly reflects the variation correlated to the content of ash and dry substance. The sediment layers D40 and D54, in the marine section, show opposite characteristics in the content of ash and dry substance, with the highest contents in the deepest layer, D54. The elements strontium and manganese are positively correlated to ash content, whereas antimony, lead, sulphur, vanadium, and molybdenum are negatively correlated. There may be a connection between processes controlling the content of ash as well as dry substance and the occurrence of these elements.

The *third and fourth principal components* mainly describe the variation within the lacustrine sediments. The most superficial sediments (D0–D5) and the slightly deeper (D15–D25) show opposite patterns in the content of manganese, phosphorus and some heavy metals. Mercury, zinc, cadmium, lead and antimony occur in elevated content in the D15 layer (15–20cm), compared to both more superficial and deeper layers. These metals are all air transported pollutants. The highest content of manganese and phosphorus are found in the most superficial lacustrine sediment layers.

7.2.3 Organic compounds in sediments

Parallel to the characterisation of marine and lacustrine sediments previously described, sampling was performed in seven lakes and shallow bays in order to characterise the surface sediments in the Forsmark area with respect to organic compounds. Two different sampling programmes were performed a main program for chemical analyses, description of sediment cores as well as field measurements of physical parameters, and a second program for collecting archive samples. Parameters analysed in the main program are listed below (Table 7-9). The sampling as well as results of chemical laboratory analyses are described by /Borgiel 2004/.

Except for five analyses of a total of nearly 800, the content of organic compounds fall below the reporting limits. In Kallrigafjärden, a bay of the Baltic Sea, low contents of monobutyl-tin and dibutyl-tin have been detected. In the sediments of the lakes Gunnarsbo-Lillfjärden and Bolundsfjärden a total of three analyses show detectable contents of aromatic (C10–C35) carbon compounds.

Table 7-9. Organic compounds analysed in the sampling programme of surface sediments in the Forsmark area.

| Parameters, laboratory analyses | | | Parameters, field measurements |
|---------------------------------|----------------------|-----------------------|----------------------------------|
| TS_105°C | Aliphatics > C5–C8 | Ppyrene | Water depth |
| pcb 28 | Aliphatics > C8–C10 | Benzo(a)anthracene | GPS-position |
| pcb 52 | Aliphatics > C10–C12 | Chrysene | Length |
| pcb 101 | Aliphatics > C12–C16 | Benzo(b)flouranthene | Colour |
| pcb 118 | Aliphatics > C5–C16 | Benzo(k)flouranthene | Smell and genes of sediment core |
| pcb 138 | Aliphatics > C16–C35 | Benzo(a)pyrene | |
| pcb 153 | Aromates > C8–C10 | Dibenzo(ah)anthracene | |
| pcb 180 | Aromates > C10–C35 | Benzo(ghi)perylene | |
| Sum of 7 pcb | Benzene | Indeno(123-cd)pyrene | |
| Hexachlorobenzene | Toluene | Sum 16 EPA-PAH | |
| Monobutyltin | Ethylbenzene | Sum Cancerogenic PAH | |
| Dibutyltin | Sum xylenes | Sum of other PAH | |
| Tributyltin | Sum TEX | | |
| Tetrabutyltin | Naphtalene | | |
| Monooctyltin | Acenaphthylene | | |
| Diocyltin | Acenaphthene | | |
| Tricyclohexyltin | Flourene | | |
| Monophenyltin | Phenanthrene | | |
| Diphenyltin | Anthracene | | |
| Triphenyltin | Flouranthene | | |

7.3 Chemical composition of peat

The chemical composition of peat have been analysed in three samples from two peatlands in the Forsmark area; Stenrössmossen (TM1) in the middle of the Forsmark study area, and Lersättersmyran (TM2) south west of the Forsmark municipality. The sampling, as well as stratigraphy and chemical analyses is thoroughly described by /Fredriksson 2004/.

In Table 7-10, the contents of both main and trace elements are compiled. The sample at Stenrössmossen represents the first metre of the peat layer, whereas the sample at Lersättersmyran is divided in two sub-samples, representing the first and the second metre of the peat layer, respectively.

Table 7-10. Concentrations of main and trace elements, sulphur and ash in samples from Stenrössmossen (TM 1) and Lersättermyran (TM 2) in the Forsmark area, compared with mean and median values for Swedish peat lands /Fredriksson 1984/. The samples from Forsmark are analysed with ICP technique, whereas the Swedish reference samples are analysed with XRF technique.

| | | TM1 0–1 m | TM2 0–1 m | TM2 1–2 m | Mean Sweden | Median Sweden | Std dev Sweden |
|--------------------------------|----------------|--------------|--------------|--------------|----------------|------------------|-------------------|
| CaO | % (in ash) | 47.1 | 20.8 | 8.2 | 24.7 | 21.6 | 12.9 |
| Al ₂ O ₃ | " | 2.19 | 7.9 | 10.2 | 10.5 | 9.7 | 5.6 |
| Fe ₂ O ₃ | " | 2.69 | 6.7 | 7.0 | 17.8 | 16.6 | 10.0 |
| K ₂ O | " | 0.56 | 1.85 | 2.64 | 0.48 | 0.35 | 0.41 |
| MgO | " | 1.6 | 1.7 | 1.7 | 2.8 | 2.0 | 2.8 |
| Na ₂ O | " | 0.40 | 1.15 | 1.33 | 0.38 | 0.26 | 0.46 |
| MnO | " | 0.07 | 0.06 | 0.08 | 0.27 | 0.22 | 0.16 |
| P ₂ O ₅ | " | 1.00 | 1.03 | 0.54 | 1.82 | 1.8 | 0.97 |
| SiO ₂ | " | 7.6 | 41.3 | 60.5 | 22.0 | 17.7 | 16.6 |
| TiO ₂ | " | 0.05 | 0.34 | 0.51 | 0.29 | 0.26 | 0.17 |
| Co | mg/kg (in ash) | 5.7 | 10.6 | 11.4 | 33.8 | 33.0 | 21.1 |
| Cr | " | 25 | 63 | 86 | 120 | 100 | 83 |
| Cu | " | 104 | 90 | 79 | 228 | 200 | 128 |
| Mo | " | 19.8 | 15.3 | 11.6 | 55.1 | 36.0 | 49.6 |
| Ni | " | 35.3 | 47.5 | 56.1 | 101.5 | 85.0 | 73.9 |
| Pb | " | 116.5 | 1,600 | 79.5 | 64 | 35 | 93 |
| Sr | " | 513.4 | 370.7 | 172.6 | 567.5 | 515.0 | 224.3 |
| Th | " | – | – | – | 40 | 35 | 26 |
| U | " | 77.8 | < 20 | < 20 | 70 | 34 | 110 |
| V | " | 24 | 64 | 76 | 134 | 98 | 124 |
| Zn | " | 620 | 951 | 1,526 | 227 | 170 | 311 |
| As | mg/kg DS | 1.4 | 1.4 | 1.0 | 4.3 | 1.0 | 12.0 |
| Cd | " | 0.20 | 0.17 | 0.14 | 0.23 | 0.10 | 0.23 |
| Hg | " | 0.086 | 0.094 | 0.030 | 0.055 | 0.010 | 0.114 |
| Ra-226 | Bq/kg (wf) | – | – | – | 9 | – | – |
| Ash | % DS | 9.7 | 7.7 | 9.5 | 5.1 | 4.3 | 3.4 |
| Sulphur | " | 0.72 | 0.30 | 0.37 | 0.27 | 0.24 | 0.14 |

The concentration of calcium oxide in TM 1 (47.1% in ash) shows that this fen is strongly influenced by the calcareous mineral soils in its vicinity. In areas where the soils are dominated by acid Precambrian bedrock material, the calcium oxide content is normally around 15%, but in regions with calcareous soils a calcium oxide content of around 45% is more common. The concentration of trace elements in the two mires shows normal values except for lead and zinc /Fredriksson 2004/.

The sulphur content in Stenrössmossen (0.72%) is elevated compared to normal values in this type of mires. Increased sulphur content is also common in mires close to sulphide clay deposits near the low coasts of Bothnia /Fredriksson 2004/.

7.4 Chemical composition of soil

As a step in the development of a detailed soil map for the Forsmark area, the chemical composition was analysed at sixteen locations. The analyses included pH, total carbon and total nitrogen in the humus layer, the O- and B-horizons and the mineral soil (C-horizon). In /Lundin et al. 2004/ the sampling methodology, as well as chemical analyses are thoroughly described. In that report, the chemical characteristics of the 16 samples of soil are extrapolated in a series of maps covering pH, carbon and nitrogen the Forsmark area. In Figure 7-9 an example is shown for pH in the mineral soil.

The pH in the O-horizon in the Forsmark area is in general high with values around six while Sweden on average show values between four and five. The humus layer is influenced by the underlying mineral soil and the pH value is 6.5 on average, to be compared with values around 5 for most of Sweden.

Carbon concentrations in the humus layer are in accordance with ordinary Swedish conditions, but in the mineral soil the influence of CaCO_3 makes the concentration of carbon higher as compared to the general values for Sweden. There is also an increasing trend with depth, which mainly would be attributed to the CaCO_3 content, and deviating from ordinary forest soil conditions.

Nitrogen concentrations in the soil agree fairly well with most parts of Sweden. However, the values are lower than usually observed in the Uppsala County.

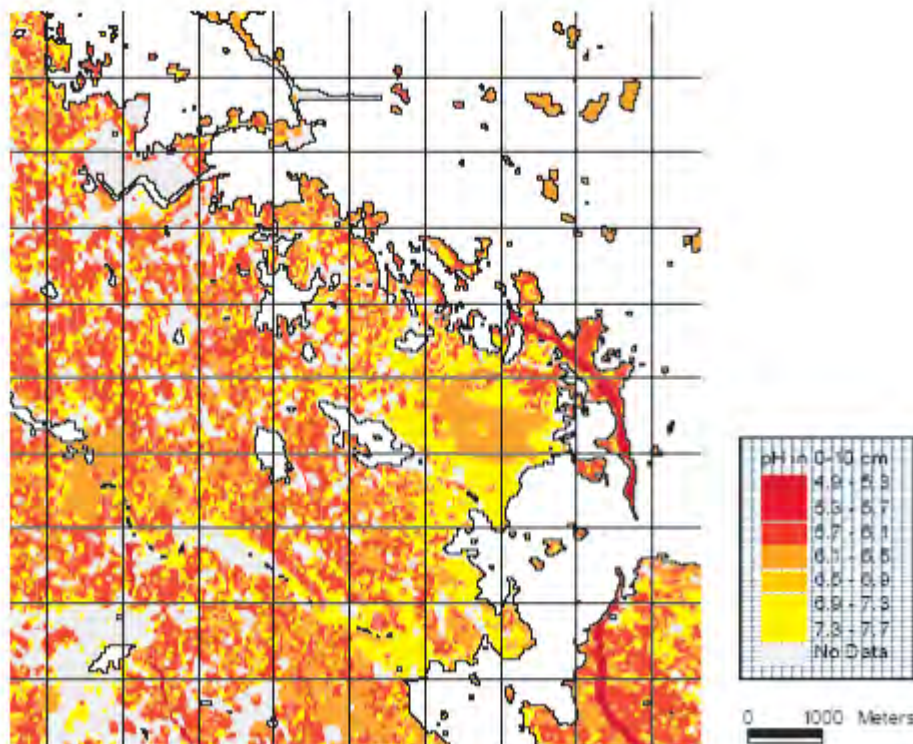


Figure 7-9. pH in mineral soil (0–10 cm) in the Forsmark area. The class “No Data” include non-sampled areas and areas with organic soils. From /Lundin et al. 2004/.

7.5 Content of elements in roots of amphibious plants

The chemical content in roots of amphibious plants are monitored by Swedish Geological Survey, SGU, in a nationwide campaign /SGU 2005b/. The element content in roots gives an integrated measure of the availability different elements in the environment. This biogeochemical database is suitable for relative comparisons in order to reveal local anomalies, and to place the Forsmark area in a regional and national context. Approximately 20 sample points are located in, or in the vicinity of the Forsmark area. In Table 7-11 the element distributions in amphibious plants may be compared between the Forsmark area, Uppsala County and Sweden.

Table 7-11. The element distribution in amphibious plants in the Forsmark area, compared to Uppsala County and Sweden. There are 18 observations in the Forsmark area, 1,019 in Uppsala County and 36,481 in Sweden.

| | | Forsmark area | | | Uppsala County | | | Sweden | | |
|--------------------------------|-----|---------------|--------|-------|----------------|--------|---------|---------|--------|---------|
| | | min | median | max | 10-perc | median | 90-perc | 10-perc | median | 90-perc |
| Ash | % | 6.5 | 13 | 21 | 7 | 12 | 21 | 9.2 | 20 | 42 |
| AL ₂ O ₃ | % | 0.12 | 0.54 | 1.2 | 0.20 | 0.68 | 1.8 | 0.45 | 1.6 | 4.4 |
| BAO | % | 0.004 | 0.012 | 0.081 | 0.004 | 0.01 | 0.027 | 0.007 | 0.019 | 0.054 |
| CAO | % | 0.5 | 1.2 | 5.1 | 0.59 | 1.2 | 2.3 | 0.39 | 1 | 2.2 |
| FE ₂ O ₃ | % | 0.38 | 1.8 | 5.1 | 0.49 | 1.4 | 3.3 | 1.02 | 3.0 | 8.4 |
| K ₂ O | % | 0.5 | 1.1 | 1.9 | 0.74 | 1.2 | 2.2 | 0.35 | 0.9 | 1.8 |
| MGO | % | 0.16 | 0.28 | 0.84 | 0.23 | 0.44 | 0.88 | 0.14 | 0.35 | 0.78 |
| MNO | % | 0.041 | 0.22 | 4.4 | 0.026 | 0.13 | 1.4 | 0.019 | 0.15 | 1.7 |
| P ₂ O ₅ | % | 0.222 | 0.56 | 1.2 | 0.20 | 0.44 | 0.89 | 0.14 | 0.29 | 0.70 |
| SiO ₂ | % | 0.57 | 3.4 | 6.7 | 0.83 | 2.8 | 6.7 | 1.7 | 6.8 | 21 |
| TiO ₂ | % | 0.0065 | 0.028 | 0.053 | 0.0092 | 0.033 | 0.084 | 0.015 | 0.064 | 0.20 |
| As | ppm | 3.3 | 9.0 | 22 | 2.8 | 7.8 | 17 | 1.5 | 6.4 | 30 |
| Cl | ppm | 520 | 1,300 | 2,600 | 680 | 1,800 | 5,000 | 160 | 820 | 2,900 |
| Co | ppm | 0.3 | 7.5 | 19 | 3.5 | 8.4 | 39 | 5.4 | 15 | 49 |
| Cr | ppm | 0.78 | 5.3 | 8.8 | 1.7 | 5.3 | 12 | 3 | 8.4 | 22 |
| Cu | ppm | 6.6 | 13 | 23 | 9 | 17 | 31 | 5.4 | 11 | 24 |
| Mo | ppm | 1.1 | 1.9 | 5.3 | 1 | 2.1 | 4.6 | 0.8 | 2 | 7.2 |
| Ni | ppm | 1.9 | 4.4 | 12 | 2 | 6.1 | 33 | 2.1 | 6.9 | 23 |
| Pb | ppm | 3.4 | 8.2 | 13 | 4.2 | 7.9 | 15 | 7.4 | 19 | 53 |
| Rb | ppm | 12 | 22 | 38 | 15 | 27 | 45 | 11 | 27 | 54 |
| S | ppm | 1,200 | 3,000 | 4,600 | 1,900 | 2,900 | 5,100 | 1,800 | 2,900 | 5,200 |
| Sr | ppm | 7.8 | 26 | 61 | 12 | 29 | 56 | 18 | 48 | 94 |
| U | ppm | 1.5 | 3.5 | 12 | 1.8 | 5.1 | 16 | 0.47 | 2.3 | 10 |
| V | ppm | 2.8 | 13 | 20 | 6.3 | 14 | 30 | 9.5 | 27 | 57 |
| W | ppm | 0.2 | 0.55 | 2.1 | 0.3 | 1 | 2.9 | 0.5 | 1.4 | 3.6 |
| Y | ppm | 1.3 | 5.4 | 8.9 | 2.9 | 8.7 | 32 | 5.2 | 15 | 39 |
| Zn | ppm | 25 | 48 | 85 | 30 | 58 | 180 | 32 | 72 | 240 |
| Zr | ppm | 3.8 | 12 | 47 | 3.8 | 12 | 27 | 7.8 | 33 | 110 |

The content of calcium is markedly elevated compared to both Uppsala County and Sweden. The remaining major constituents occur in approximately normal concentrations. In Figure 7-10 the relative contents of the major constituents are shown for the sample sites in the Forsmark area.

Most trace metals occur in normal or slightly lower concentrations compared to the normal levels in Uppsala county and Sweden. Arsenic shows tendencies for slightly increased concentrations in plant roots in the Forsmark area. In Figure 7-10 the relative contents of a selection of trace metals are shown for the sample sites in the Forsmark area.

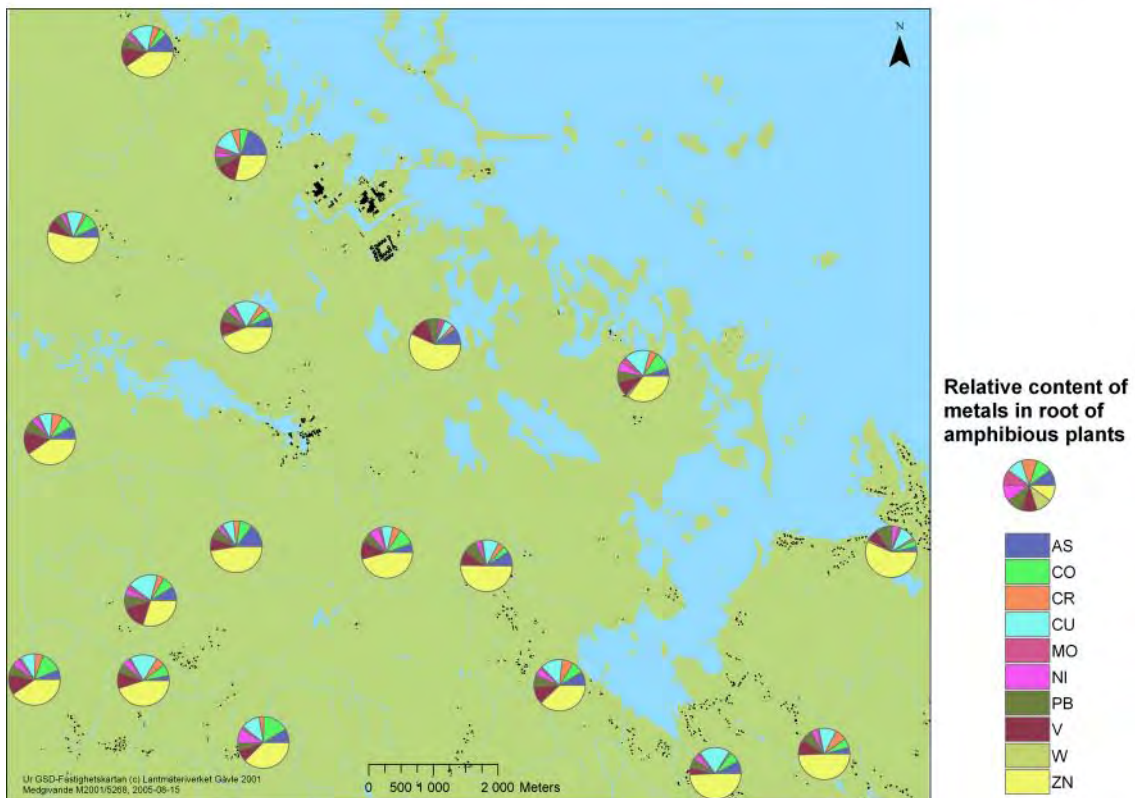
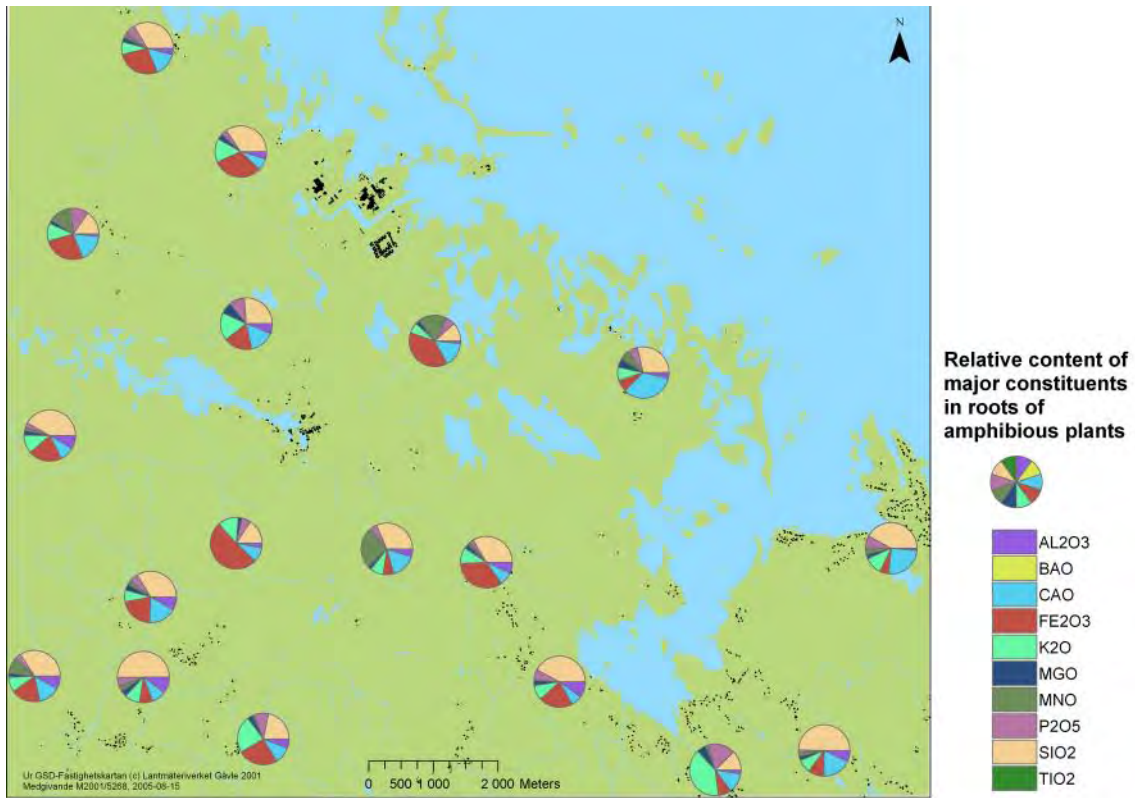


Figure 7-10. Relative contents of major constituents (upper) and trace metals (lower) in roots of amphibious plants in the Forsmark area. The pie charts show the relative amounts of the selected metals (per weight). (Ur regionala biogeokemiska databasen. Copyright Sveriges geologiska undersökning (SGU). Medgivande:30-1125 /2005.)

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Appendix 1 – Forsmark surface water

| Element | Description | Abbreviation | Page |
|-------------------|----------------------------|---------------------|-------------|
| Aluminium | Aluminium | Al | 1 |
| Antimony | Antimony | Sb | 2 |
| Arsenic | Arsenic | As | 3 |
| Barium | Barium | Ba | 4 |
| Boron | Boron-10 (B10/B11) | B-10 | 5 |
| Bromide | Bromide | Br | 6 |
| Cadmium | Cadmium | Cd | 7 |
| Calcium | Calcium | Ca | 8 |
| Carbon | Bicarbonate | HCO ₃ | 9 |
| | Carbon-13 | C-13 | 10 |
| | Carbon-14 | C-14 | 11 |
| | Dissolved inorganic carbon | DIC | 12 |
| | Dissolved organic carbon | DOC | 13 |
| | Particulate organic carbon | POC | 14 |
| | Total organic carbon | TOC | 15 |
| Cerium | Cerium | Ce | 16 |
| Cesium | Cesium | Cs | 17 |
| Chlorine | Chloride | Cl | 18 |
| | Chlorine-37 | Cl-37 | 19 |
| Chromium | Chromium | Cr | 20 |
| Cobalt | Cobalt | Co | 21 |
| Copper | Copper | Cu | 22 |
| Deuterium | Deuterium | D | 23 |
| Dysprosium | Dysprosium | Dy | 24 |
| Erbium | Erbium | Er | 25 |
| Europium | Europium | Eu | 26 |
| Fluoride | Fluoride | F | 27 |
| Gadolinium | Gadolinium | Gd | 28 |
| Hafnium | Hafnium | Hf | 29 |
| Holmium | Holmium | Ho | 30 |
| Hydrogen | pH (field) | pH (field) | 31 |
| | pH (lab) | pH (lab) | 32 |
| | Tritium | Tr | 33 |
| Indium | Indium | In | 34 |
| Iodide | Iodide | I | 35 |
| Iron | Ferrous iron | Fe(II) | 35 |
| | Iron (total ICP) | Fe | 36 |
| | Iron (total spectrometric) | Fe | 36 |
| Lanthanum | Lanthanum | La | 37 |
| Lead | Lead | Pb | 38 |
| Lithium | Lithium | Li | 39 |
| Lutetium | Lutetium | Lu | 40 |
| Magnesium | Magnesium | Mg | 41 |
| Manganese | Manganese | Mn | 42 |
| Mercury | Mercury | Hg | 43 |

| Element | Description | Abbreviation | Page |
|---------------------|-------------------------------------|---------------------|-------------|
| Molybdenum | Molybdenum | Mo | 44 |
| Neodymium | Neodymium | Nd | 45 |
| Nickel | Nickel | Ni | 46 |
| Nitrogen | Total nitrogen | Tot-N | 47 |
| | Nitrogen as ammonium | NH4-N | 48 |
| | Nitrogen as nitrate | NO3-N | 49 |
| | Nitrogen as nitrate and nitrite | NO23-N | 50 |
| | Particulate organic nitrogen | PON | 51 |
| Oxygen | Dissolved oxygen (lab+field) | O2 | 52 |
| | Oxygen-18 | O-18 | 53 |
| Phosphorus | Particulate organic phosphorus | POP | 54 |
| | Phosphorus as phosphate | PO4-P | 55 |
| | Total phosphorus | Tot-P | 56 |
| Potassium | Potassium | K | 57 |
| Praseodymium | Praseodymium | Pr | 58 |
| Radium | Radium-226 | Ra-226 | 59 |
| Radon | Radon-222 | Rn-222 | 59 |
| Rubidium | Rubidium | Rb | 60 |
| Samarium | Samarium | Sm | 61 |
| Scandium | Scandium | Sc | 62 |
| Silicon | Silicon | Si | 63 |
| | Silica | SiO2-si | 64 |
| Sodium | Sodium | Na | 65 |
| Strontium | Strontium | Sr | 66 |
| | Strontium-87 (Sr87/Sr86) | Sr-87 | 67 |
| | Hydrogen sulphide as total sulphide | S2 (HS) | 67 |
| Sulphur | Sulphate | SO4 | 68 |
| | Sulphate as sulphur | SO4-S | 69 |
| | Sulphur-34 | S-34 | 70 |
| | Terbium | Terbium | Tb |
| Thallium | Thallium | Tl | 72 |
| Thorium | Thorium | Th | 73 |
| | Thorium-230 | Th-230 | 74 |
| | Thorium-232 | Th-232 | 74 |
| | Thullium | Thullium | Tm |
| Uranium | Uranium | U | 76 |
| | Uranium-234 | U-234 | 77 |
| | Uranium-235 | U-235 | 77 |
| | Uranium-238 | U-238 | 78 |
| Vanadium | Vanadium | V | 79 |
| Ytterbium | Ytterbium | Yb | 80 |
| Yttrium | Yttrium | Y | 81 |
| Zinc | Zinc | Zn | 82 |
| Zirconium | Zirconium | Zr | 83 |

| Element | Description | Abbreviation | Page |
|---------------------|--|---------------------|-------------|
| Absorbance | Spectr.abs.coeff 436nm | | 84 |
| | Absorbance 436nm | | 84 |
| Chlorophyll | Chlorophyll a | | 85 |
| | Chlorophyll b | | 86 |
| | Pheopigment | | 87 |
| | Chlorophyll (field) | | 88 |
| Conductivity | Electrical conductivity (lab) | | 89 |
| | Electrical conductivity (field) | | 90 |
| Light | Light penetration | | 91 |
| | Light $\mu\text{molE}/\text{m}^2,\text{s}$ | | 92 |
| Salinity | Salinity (field) | | 93 |
| Turbidity | Turbidity | | 94 |

Surface Water

| AI | Aluminium (µg/l) | | | | | | | | | | AI |
|------------------------|------------------|---------|-------|------|------|-------------|------|-------|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 10 | 4.9 | 8.1 | 16 | 68 | 120 | 39 | 40 | 110 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 2.3 | 6.2 | 9.0 | 13 | 120 | 24 | 40 | 170 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 4 | 2.0 | 5.0 | 7.5 | 13 | 26 | 11 | 10 | 99 |
| Eckarfjärden | PFM000117 | Surface | 9 | 5.0 | 6.3 | 16 | 25 | 190 | 36 | 60 | 170 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 2.2 | 4.2 | 9.3 | 24 | 56 | 19 | 20 | 130 |
| Bolundsfjärden | PFM000107 | Surface | 10 | 10.0 | 15 | 18 | 39 | 240 | 45 | 70 | 160 |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 12 | 12 | 20 | 34 | 54 | 26 | 20 | 75 |
| Norra bassängen | PFM000097 | Surface | 7 | 9.7 | 12 | 16 | 26 | 37 | 20 | 10 | 54 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 13 | | 13 | | 13 | 13 | | |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 6.3 | 9.4 | 12 | 13 | 13 | 10 | 4 | 34 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 5.9 | 6.0 | 6.7 | 57 | 72 | 29 | 30 | 110 |
| Forsmark area | | Surface | 49 | 2.3 | 7.8 | 15 | 36 | 240 | 33 | 50 | 140 |
| Forsmark area | | Bottom | 15 | 2.0 | 6.2 | 12 | 20 | 56 | 17 | 20 | 100 |
| Simpevarp area | | Surface | 1 | 140 | | 140 | | 140 | 140 | | |
| Simpevarp area | | Bottom | 1 | 130 | | 130 | | 130 | 130 | | |
| Sweden | N.S.2000 | Surface | 1206 | 1.6 | 23 | 62 | 140 | 37000 | 130 | 1000 | 800 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | 2.5 | 6.1 | 13 | 57 | 170 | 46 | 60 | 130 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 1.9 | 2.3 | 2.7 | 4.1 | 5.6 | 3.4 | 2 | 58 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 18 | | 18 | | 18 | 18 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 12 | | 12 | | 12 | 12 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | 1.5 | 3.6 | 8.0 | 14 | 80 | 19 | 30 | 140 |
| Tixelfjärden | PFM000063 | Bottom | 5 | 1.8 | 2.8 | 4.8 | 9.4 | 21 | 7.9 | 8 | 98 |
| Kallriga, norra | PFM000064 | Surface | 8 | 3.6 | 11 | 16 | 78 | 620 | 120 | 200 | 190 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 3.3 | 9.3 | 14 | 24 | 44 | 19 | 20 | 92 |
| Kallriga, södra | PFM000065 | Surface | 9 | 2.7 | 8.3 | 16 | 31 | 720 | 100 | 200 | 230 |
| Forsmark area | | Surface | 38 | 1.5 | 6.9 | 13 | 32 | 720 | 67 | 200 | 230 |
| Forsmark area | | Bottom | 13 | 1.8 | 2.8 | 5.6 | 12 | 44 | 11 | 10 | 110 |
| Simpevarp area | | Surface | 4 | <2 | <2 | 8.4 | 17 | 19 | 9.3 | 10 | 100 |
| Simpevarp area | | Bottom | 4 | <2 | <2 | 2.7 | 7.3 | 16 | 5.6 | 7 | 130 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 8 | 6.1 | 8.2 | 10.0 | 17 | 33 | 14 | 10 | 71 |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 9.2 | 15 | 20 | 26 | 31 | 20 | 20 | 77 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | 3.7 | 9.3 | 11 | 14 | 23 | 12 | 6 | 51 |
| Bolundskogen | PFM000069 | Surface | 4 | 19 | 21 | 22 | 24 | 28 | 23 | 4 | 17 |
| Kungsträsket | PFM000068 | Surface | 9 | 12 | 15 | 22 | 28 | 70 | 26 | 20 | 69 |
| Lillputtsundet | PFM000067 | Surface | 8 | 5.5 | 12 | 12 | 15 | 28 | 15 | 7 | 50 |
| Flottbron | PFM000072 | Surface | 6 | 3.5 | 5.2 | 7.2 | 16 | 26 | 11 | 9 | 81 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.65 | 2.6 | 4.5 | 20 | 35 | 13 | 20 | 140 |
| Forsmark area | | Surface | 48 | 0.65 | 9.0 | 13 | 22 | 70 | 17 | 10 | 72 |
| Simpevarp area | | Surface | 10 | 130 | 170 | 350 | 420 | 600 | 330 | 200 | 52 |

Surface Water

| Sb | | | Antimony (µg/l) | | | | | | | | Sb |
|------------------------|-----------|---------|-----------------|-------|-------|----------------|-------|-------|-------|-------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | 0.037 | 0.047 | 0.062 | 0.069 | 0.073 | 0.058 | 0.01 | 25 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 6 | 0.040 | 0.054 | 0.066 | 0.071 | 0.092 | 0.064 | 0.02 | 28 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 2 | 0.080 | 0.083 | 0.086 | 0.089 | 0.092 | 0.086 | 0.009 | 10 |
| Eckarfjärden | PFM000117 | Surface | 6 | 0.069 | 0.076 | 0.081 | 0.088 | 0.11 | 0.085 | 0.02 | 19 |
| Eckarfjärden | PFM000117 | Bottom | 2 | 0.072 | 0.073 | 0.074 | 0.075 | 0.076 | 0.074 | 0.003 | 3.5 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.065 | 0.076 | 0.078 | 0.096 | 0.14 | 0.089 | 0.02 | 28 |
| Bolundsfjärden | PFM000107 | Bottom | 2 | 0.082 | 0.085 | 0.088 | 0.091 | 0.094 | 0.088 | 0.008 | 9.4 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.065 | 0.080 | 0.089 | 0.100 | 0.10 | 0.087 | 0.01 | 17 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.093 | 0.094 | 0.096 | 0.11 | 0.14 | 0.11 | 0.02 | 20 |
| Forsmark area | | Surface | 36 | 0.037 | 0.067 | 0.077 | 0.093 | 0.14 | 0.080 | 0.02 | 29 |
| Forsmark area | | Bottom | 7 | 0.072 | 0.078 | 0.082 | 0.093 | 0.13 | 0.089 | 0.02 | 22 |
| Simpevarp area | | Surface | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Simpevarp area | | Bottom | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 31 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 21 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.084 | | 0.084 | | 0.084 | 0.084 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.074 | | 0.074 | | 0.074 | 0.074 | | |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.1 | <0.1 | <0.1 | 0.11 | 0.14 | <0.1 | 0.03 | 39 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.1 | <0.1 | <0.1 | 0.10 | 0.14 | <0.1 | 0.04 | 39 |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.1 | <0.1 | <0.1 | 0.11 | 0.15 | <0.1 | 0.04 | 39 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.1 | <0.1 | <0.1 | 0.12 | 0.15 | <0.1 | 0.05 | 52 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.1 | <0.1 | 0.10 | 0.12 | 0.13 | <0.1 | 0.03 | 27 |
| Forsmark area | | Surface | 32 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 32 |
| Forsmark area | | Bottom | 10 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.04 | 37 |
| Simpevarp area | | Surface | 4 | <0.1 | <0.1 | <0.1 | <0.1 | 0.11 | <0.1 | 0.03 | 48 |
| Simpevarp area | | Bottom | 4 | <0.1 | <0.1 | <0.1 | <0.1 | 0.11 | <0.1 | 0.03 | 47 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 6 | 0.044 | 0.060 | 0.062 | 0.065 | 0.066 | 0.060 | 0.008 | 13 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.042 | 0.070 | 0.075 | 0.081 | 0.084 | 0.071 | 0.02 | 22 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.066 | | 0.066 | | 0.066 | 0.066 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.042 | 0.071 | 0.074 | 0.080 | 0.082 | 0.071 | 0.01 | 21 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.075 | 0.083 | 0.090 | 0.10 | 0.13 | 0.096 | 0.02 | 22 |
| Flottbron | PFM000072 | Surface | 5 | 0.047 | 0.067 | 0.077 | 0.079 | 0.086 | 0.071 | 0.02 | 21 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.075 | 0.089 | 0.10 | 0.13 | 0.15 | 0.11 | 0.04 | 34 |
| Forsmark area | | Surface | 32 | 0.042 | 0.066 | 0.075 | 0.083 | 0.15 | 0.076 | 0.02 | 29 |
| Simpevarp area | | Surface | 10 | 0.043 | 0.054 | 0.075 | 0.093 | 0.14 | 0.078 | 0.03 | 39 |

Surface Water

| As | | | Arsenic ($\mu\text{g/l}$) | | | | | | | | As | |
|------------------------|-----------|---------|-----------------------------|-------|------|----------------|------|------|------|------|------|--|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Lake Water | | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 5 | 0.13 | 0.26 | 0.40 | 0.40 | 0.64 | 0.37 | 0.2 | 51 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 3 | 0.46 | 0.50 | 0.53 | 0.81 | 1.1 | 0.69 | 0.3 | 49 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | 0.48 | | 0.48 | | 0.48 | 0.48 | | | |
| Eckarfjärden | PFM000117 | Surface | 5 | <0.1 | 0.30 | 0.31 | 0.40 | 0.41 | 0.29 | 0.1 | 49 | |
| Eckarfjärden | PFM000117 | Bottom | 2 | 0.29 | 0.30 | 0.31 | 0.32 | 0.33 | 0.31 | 0.03 | 8.2 | |
| Bolundsfjärden | PFM000107 | Surface | 4 | 0.16 | 0.31 | 0.46 | 0.60 | 0.77 | 0.46 | 0.3 | 57 | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | 0.37 | | 0.37 | | 0.37 | 0.37 | | | |
| Norra bassängen | PFM000097 | Surface | 2 | 0.55 | 0.78 | 1.0 | 1.2 | 1.5 | 1.0 | 0.6 | 64 | |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.40 | | 0.40 | | 0.40 | 0.40 | | | |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.48 | | 0.48 | | 0.48 | 0.48 | | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 0.47 | | 0.47 | | 0.47 | 0.47 | | | |
| Forsmark area | | Surface | 21 | <0.1 | 0.31 | 0.40 | 0.55 | 1.5 | 0.48 | 0.3 | 66 | |
| Forsmark area | | Bottom | 5 | 0.29 | 0.33 | 0.37 | 0.48 | 0.48 | 0.39 | 0.08 | 22 | |
| Simpevarp area | | Surface | 1 | 0.63 | | 0.63 | | 0.63 | 0.63 | | | |
| Simpevarp area | | Bottom | 1 | 0.57 | | 0.57 | | 0.57 | 0.57 | | | |
| Sweden | N.S.2000 | Surface | 1206 | 0.010 | 0.15 | 0.31 | 0.47 | 520 | 0.85 | 20 | 1800 | |
| Sea Water | | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 6 | <100 | <100 | <100 | <100 | <100 | <100 | 20 | 220 | |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <100 | <100 | <100 | <100 | <100 | <100 | 30 | 130 | |
| Tixelfjärden | PFM000063 | Surface | 4 | <100 | <100 | <100 | <100 | <100 | <100 | 20 | 190 | |
| Tixelfjärden | PFM000063 | Bottom | 2 | <100 | <100 | <100 | <100 | <100 | <100 | 30 | 130 | |
| Kallriga, norra | PFM000064 | Surface | 4 | <100 | <100 | <100 | <100 | <100 | <100 | 20 | 190 | |
| Kallriga, norra | PFM000064 | Bottom | 2 | <100 | <100 | <100 | <100 | <100 | <100 | 30 | 130 | |
| Kallriga, södra | PFM000065 | Surface | 4 | <100 | <100 | <100 | <100 | <100 | <100 | 20 | 180 | |
| Forsmark area | | Surface | 18 | <100 | <100 | <100 | <100 | <100 | <100 | 20 | 180 | |
| Forsmark area | | Bottom | 6 | <100 | <100 | <100 | <100 | <100 | <100 | 30 | 100 | |
| Simpevarp area | | Surface | 4 | <1 | <1 | <1 | <1 | <1 | <1 | | | |
| Simpevarp area | | Bottom | 4 | <1 | <1 | <1 | <1 | 1.0 | <1 | 0.3 | 40 | |
| Streaming Water | | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 2 | 0.46 | 0.53 | 0.60 | 0.67 | 0.73 | 0.60 | 0.2 | 32 | |
| Norr Eckarfjärden | PFM000070 | Surface | 2 | 0.36 | 0.38 | 0.41 | 0.43 | 0.46 | 0.41 | 0.07 | 17 | |
| Bolundskogen | PFM000069 | Surface | 1 | 0.27 | | 0.27 | | 0.27 | 0.27 | | | |
| Kungsträsket | PFM000068 | Surface | 3 | 0.13 | 0.21 | 0.30 | 0.33 | 0.36 | 0.26 | 0.1 | 46 | |
| Lillputtsundet | PFM000067 | Surface | 3 | <0.05 | 0.15 | 0.27 | 0.42 | 0.57 | 0.29 | 0.3 | 95 | |
| Flottbron | PFM000072 | Surface | 2 | <0.1 | 0.16 | 0.27 | 0.38 | 0.49 | 0.27 | 0.3 | 120 | |
| Söder Bredviken | PFM000073 | Surface | 1 | 0.80 | | 0.80 | | 0.80 | 0.80 | | | |
| Forsmark area | | Surface | 14 | <0.1 | 0.27 | 0.36 | 0.48 | 0.80 | 0.38 | 0.2 | 61 | |
| Simpevarp area | | Surface | 10 | 0.37 | 0.50 | 0.63 | 0.93 | 1.7 | 0.79 | 0.4 | 54 | |

Surface Water

| Ba | | | Barium (µg/l) | | | | | | | | Ba |
|------------------------|-----------|---------|---------------|-----|------|--------|------|-----|------|------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | 22 | 23 | 25 | 29 | 35 | 27 | 5 | 18 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 8 | 21 | 26 | 27 | 30 | 59 | 31 | 10 | 39 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 5 | 24 | 26 | 36 | 57 | 64 | 41 | 20 | 43 |
| Eckarfjärden | PFM000117 | Surface | 10 | 10 | 13 | 15 | 17 | 19 | 15 | 3 | 19 |
| Eckarfjärden | PFM000117 | Bottom | 5 | 11 | 16 | 20 | 21 | 22 | 18 | 5 | 27 |
| Bolundsfjärden | PFM000107 | Surface | 10 | 15 | 16 | 17 | 20 | 24 | 18 | 3 | 16 |
| Bolundsfjärden | PFM000107 | Bottom | 5 | 16 | 17 | 23 | 24 | 29 | 22 | 5 | 25 |
| Norra bassängen | PFM000097 | Surface | 7 | 12 | 14 | 17 | 25 | 38 | 21 | 9 | 45 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 16 | | 16 | | 16 | 16 | | |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 17 | 18 | 19 | 19 | 19 | 18 | 1 | 6.2 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 14 | 14 | 16 | 22 | 38 | 21 | 10 | 50 |
| Forsmark area | | Surface | 52 | 10 | 15 | 20 | 27 | 59 | 22 | 9 | 41 |
| Forsmark area | | Bottom | 18 | 11 | 17 | 22 | 26 | 64 | 26 | 10 | 54 |
| Simpevarp area | | Surface | 1 | 12 | | 12 | | 12 | 12 | | |
| Simpevarp area | | Bottom | 1 | 11 | | 11 | | 11 | 11 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | 13 | 16 | 17 | 18 | 20 | 17 | 2 | 11 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 14 | 16 | 18 | 18 | 19 | 17 | 2 | 14 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 16 | 17 | 17 | 18 | 19 | 17 | 2 | 13 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 15 | 16 | 17 | 18 | 19 | 17 | 3 | 18 |
| Tixelfjärden | PFM000063 | Surface | 9 | 15 | 17 | 17 | 19 | 20 | 18 | 2 | 9.5 |
| Tixelfjärden | PFM000063 | Bottom | 5 | 17 | 18 | 20 | 21 | 24 | 20 | 3 | 14 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 16 | | 16 | | 16 | 16 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 15 | | 15 | | 15 | 15 | | |
| Kallriga, norra | PFM000064 | Surface | 8 | 17 | 19 | 20 | 21 | 22 | 20 | 2 | 8.0 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 18 | 18 | 20 | 22 | 22 | 20 | 2 | 11 |
| Kallriga, södra | PFM000065 | Surface | 9 | 16 | 18 | 20 | 21 | 22 | 19 | 2 | 11 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 15 | | 15 | | 15 | 15 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 15 | | 15 | | 15 | 15 | | |
| Forsmark area | | Surface | 41 | 13 | 17 | 18 | 20 | 22 | 18 | 2 | 12 |
| Forsmark area | | Bottom | 16 | 14 | 16 | 18 | 21 | 24 | 18 | 3 | 16 |
| Simpevarp area | | Surface | 4 | 18 | 18 | 18 | 18 | 19 | 18 | 0.2 | 1.2 |
| Simpevarp area | | Bottom | 4 | 18 | 18 | 18 | 19 | 19 | 18 | 0.2 | 1.3 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 9 | 19 | 21 | 22 | 26 | 32 | 24 | 4 | 18 |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 28 | 29 | 29 | 30 | 31 | 29 | 2 | 7.4 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | 14 | 15 | 17 | 19 | 25 | 18 | 4 | 20 |
| Bolundskogen | PFM000069 | Surface | 4 | 24 | 26 | 27 | 29 | 35 | 28 | 5 | 17 |
| Kungsträsket | PFM000068 | Surface | 9 | 18 | 20 | 24 | 25 | 28 | 23 | 4 | 15 |
| Lillputtsundet | PFM000067 | Surface | 8 | 15 | 16 | 20 | 22 | 36 | 21 | 7 | 32 |
| Flottbron | PFM000072 | Surface | 6 | 16 | 24 | 29 | 35 | 51 | 31 | 10 | 39 |
| Söder Bredviken | PFM000073 | Surface | 3 | 41 | 43 | 44 | 45 | 46 | 44 | 2 | 5.5 |
| Forsmark area | | Surface | 49 | 14 | 19 | 23 | 27 | 51 | 25 | 8 | 34 |
| Simpevarp area | | Surface | 10 | 13 | 15 | 16 | 17 | 26 | 17 | 4 | 21 |

| B-10 | | | Boron-10 (B10/B11) (ratio) | | | | | | | | B-10 | |
|------------------------|-----------|---------|----------------------------|--------|--------|---------------|--------|--------|--------|---------|------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 3 | 0.2390 | 0.2391 | 0.2391 | 0.2409 | 0.2426 | 0.2402 | 0.00205 | 0.85 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 2 | 0.2358 | 0.2369 | 0.2380 | 0.2390 | 0.2401 | 0.2380 | 0.00304 | 1.3 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | 0.2363 | | 0.2363 | | 0.2363 | 0.2363 | | | |
| Eckarfjärden | PFM000117 | Surface | 3 | 0.2372 | 0.2388 | 0.2403 | 0.2408 | 0.2413 | 0.2396 | 0.00214 | 0.89 | |
| Eckarfjärden | PFM000117 | Bottom | 1 | 0.2365 | | 0.2365 | | 0.2365 | 0.2365 | | | |
| Bolundsfjärden | PFM000107 | Surface | 3 | 0.2370 | 0.2373 | 0.2376 | 0.2384 | 0.2391 | 0.2379 | 0.00108 | 0.45 | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | 0.2800 | | 0.2800 | | 0.2800 | 0.2800 | | | |
| Norra bassängen | PFM000097 | Surface | 3 | 0.2345 | 0.2359 | 0.2373 | 0.2390 | 0.2407 | 0.2375 | 0.00310 | 1.3 | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 0.2385 | | 0.2385 | | 0.2385 | 0.2385 | | | |
| Forsmark area | | Surface | 15 | 0.2345 | 0.2373 | 0.2390 | 0.2402 | 0.2426 | 0.2387 | 0.00216 | 0.90 | |
| Forsmark area | | Bottom | 3 | 0.2363 | 0.2364 | 0.2365 | 0.2583 | 0.2800 | 0.2509 | 0.0252 | 10 | |
| Simpevarp area | | Surface | 34 | 0.2278 | 0.2399 | 0.2418 | 0.2438 | 0.2670 | 0.2419 | 0.00603 | 2.5 | |
| Simpevarp area | | Bottom | 35 | 0.2327 | 0.2400 | 0.2422 | 0.2437 | 0.2651 | 0.2421 | 0.00520 | 2.1 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 3 | 0.1918 | 0.2144 | 0.2369 | 0.2377 | 0.2385 | 0.2224 | 0.0265 | 12 | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | 0.1912 | | 0.1912 | | 0.1912 | 0.1912 | | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.2382 | | 0.2382 | | 0.2382 | 0.2382 | | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.2399 | | 0.2399 | | 0.2399 | 0.2399 | | | |
| Tixelfjärden | PFM000063 | Surface | 4 | 0.1918 | 0.2256 | 0.2376 | 0.2386 | 0.2396 | 0.2266 | 0.0232 | 10 | |
| Tixelfjärden | PFM000063 | Bottom | 2 | 0.1918 | 0.2037 | 0.2156 | 0.2275 | 0.2394 | 0.2156 | 0.0337 | 16 | |
| Kallriga, norra | PFM000064 | Surface | 3 | 0.1900 | 0.2135 | 0.2370 | 0.2377 | 0.2383 | 0.2218 | 0.0275 | 12 | |
| Kallriga, norra | PFM000064 | Bottom | 1 | 0.1916 | | 0.1916 | | 0.1916 | 0.1916 | | | |
| Kallriga, södra | PFM000065 | Surface | 4 | 0.1906 | 0.2256 | 0.2378 | 0.2386 | 0.2396 | 0.2264 | 0.0239 | 11 | |
| Forsmark area | | Surface | 15 | 0.1900 | 0.2144 | 0.2373 | 0.2383 | 0.2396 | 0.2255 | 0.0215 | 9.6 | |
| Forsmark area | | Bottom | 5 | 0.1912 | 0.1916 | 0.1918 | 0.2394 | 0.2399 | 0.2108 | 0.0264 | 13 | |
| Simpevarp area | | Surface | 52 | 0.2269 | 0.2365 | 0.2381 | 0.2395 | 0.2438 | 0.2378 | 0.00311 | 1.3 | |
| Simpevarp area | | Bottom | 51 | 0.2281 | 0.2365 | 0.2377 | 0.2391 | 0.2417 | 0.2372 | 0.00300 | 1.3 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 2 | 0.2366 | 0.2382 | 0.2398 | 0.2413 | 0.2429 | 0.2398 | 0.00445 | 1.9 | |
| Norr Eckarfjärden | PFM000070 | Surface | 2 | 0.2361 | 0.2376 | 0.2390 | 0.2405 | 0.2419 | 0.2390 | 0.00410 | 1.7 | |
| Bolundskogen | PFM000069 | Surface | 1 | 0.1959 | | 0.1959 | | 0.1959 | 0.1959 | | | |
| Kungsträsket | PFM000068 | Surface | 3 | 0.1947 | 0.2167 | 0.2387 | 0.2403 | 0.2418 | 0.2251 | 0.0263 | 12 | |
| Lillputtsundet | PFM000067 | Surface | 3 | 0.1932 | 0.2152 | 0.2372 | 0.2386 | 0.2400 | 0.2235 | 0.0262 | 12 | |
| Flottbron | PFM000072 | Surface | 2 | 0.2362 | 0.2371 | 0.2380 | 0.2389 | 0.2398 | 0.2380 | 0.00255 | 1.1 | |
| Söder Bredviken | PFM000073 | Surface | 1 | 0.2436 | | 0.2436 | | 0.2436 | 0.2436 | | | |
| Forsmark area | | Surface | 14 | 0.1932 | 0.2361 | 0.2380 | 0.2414 | 0.2436 | 0.2299 | 0.0193 | 8.4 | |
| Simpevarp area | | Surface | 206 | 0.2304 | 0.2410 | 0.2431 | 0.2452 | 0.2764 | 0.2442 | 0.00709 | 2.9 | |

Surface Water

| Br | | | Bromide (mg/l) | | | | | | | | Br |
|------------------------|-----------|---------|----------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 43 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | <0.2 | <0.2 | <0.2 | <0.2 | 0.23 | <0.2 | 0.04 | 53 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 21 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 32 |
| Eckarfjärden | PFM000117 | Surface | 43 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 57 |
| Eckarfjärden | PFM000117 | Bottom | 20 | <0.2 | <0.2 | <0.2 | <0.2 | 0.20 | <0.2 | 0.05 | 62 |
| Bolundsfjärden | PFM000107 | Surface | 47 | <0.2 | <0.2 | <0.2 | 0.34 | 0.54 | 0.22 | 0.1 | 67 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | <0.2 | <0.2 | 0.37 | 0.45 | 3.2 | 0.45 | 0.6 | 140 |
| Norra bassängen | PFM000097 | Surface | 37 | <0.2 | <0.2 | 0.26 | 0.54 | 1.3 | 0.36 | 0.3 | 82 |
| Fiskarfjärden | PFM000127 | Surface | 14 | <0.2 | <0.2 | 0.20 | 0.22 | 0.26 | <0.2 | 0.05 | 27 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | <0.2 | <0.2 | <0.2 | 0.20 | 0.24 | <0.2 | 0.06 | 35 |
| Fiskarfjärden | PFM000135 | Surface | 17 | <0.2 | <0.2 | <0.2 | 0.21 | 12 | 0.84 | 3 | 330 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Forsmark area | | Surface | 245 | <0.2 | <0.2 | <0.2 | <0.2 | 12 | <0.2 | 0.8 | 380 |
| Forsmark area | | Bottom | 72 | <0.2 | <0.2 | <0.2 | 0.20 | 3.2 | 0.20 | 0.4 | 190 |
| Simpevarp area | | Surface | 112 | <0.2 | <0.2 | <0.2 | <0.2 | 0.50 | <0.2 | 0.05 | 47 |
| Simpevarp area | | Bottom | 112 | <0.2 | <0.2 | <0.2 | <0.2 | 1.6 | <0.2 | 0.2 | 140 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 0.21 | 8.5 | 8.9 | 9.2 | 16 | 8.9 | 2 | 22 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 7.3 | 8.4 | 9.1 | 9.4 | 12 | 9.2 | 1 | 13 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 6.3 | 7.6 | 7.9 | 8.1 | 8.9 | 7.8 | 0.8 | 10.0 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 6.8 | 8.1 | 8.5 | 9.0 | 10.0 | 8.5 | 1.0 | 11 |
| Tixelfjärden | PFM000063 | Surface | 41 | 4.8 | 8.3 | 8.7 | 9.0 | 10 | 8.5 | 1 | 14 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 7.2 | 8.4 | 9.1 | 9.5 | 10 | 8.9 | 0.9 | 9.8 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 6.7 | 7.4 | 8.0 | 9.3 | 11 | 8.5 | 2 | 24 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 7.0 | 7.7 | 8.3 | 9.9 | 11 | 8.9 | 2 | 26 |
| Kallriga, norra | PFM000064 | Surface | 37 | 1.1 | 6.2 | 7.9 | 8.6 | 11 | 7.1 | 2 | 33 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 3.5 | 7.3 | 8.3 | 8.8 | 9.5 | 7.9 | 1 | 18 |
| Kallriga, södra | PFM000065 | Surface | 36 | 0.63 | 5.7 | 7.6 | 8.2 | 10 | 6.7 | 3 | 39 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.50 | 1.0 | 1.4 | 2.5 | 5.9 | 2.2 | 2 | 95 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | <0.2 | 5.4 | 6.7 | 9.1 | 9.9 | 6.2 | 4 | 62 |
| Forsmark area | | Surface | 175 | 0.21 | 7.3 | 8.4 | 8.9 | 16 | 7.7 | 2 | 31 |
| Forsmark area | | Bottom | 72 | <0.2 | 8.1 | 8.7 | 9.4 | 12 | 8.5 | 2 | 19 |
| Simpevarp area | | Surface | 160 | 1.0 | 11 | 13 | 15 | 28 | 13 | 5 | 37 |
| Simpevarp area | | Bottom | 157 | 3.2 | 12 | 13 | 16 | 27 | 14 | 4 | 28 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 57 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | <0.2 | <0.2 | <0.2 | <0.2 | 0.24 | <0.2 | 0.05 | 90 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | <0.2 | <0.2 | <0.2 | <0.2 | 0.37 | <0.2 | 0.06 | 110 |
| Bolundskogen | PFM000069 | Surface | 48 | <0.2 | <0.2 | <0.2 | <0.2 | 0.42 | <0.2 | 0.07 | 54 |
| Kungsträsket | PFM000068 | Surface | 47 | <0.2 | <0.2 | <0.2 | <0.2 | 0.21 | <0.2 | 0.05 | 45 |
| Lillputtsundet | PFM000067 | Surface | 44 | <0.2 | <0.2 | <0.2 | 0.41 | 0.66 | 0.25 | 0.2 | 72 |
| Flottbron | PFM000072 | Surface | 40 | <0.2 | <0.2 | <0.2 | 0.24 | 0.87 | 0.20 | 0.2 | 79 |
| Söder Bredviken | PFM000073 | Surface | 23 | <0.2 | <0.2 | <0.2 | <0.2 | 0.23 | <0.2 | 0.04 | 48 |
| Forsmark area | | Surface | 316 | <0.2 | <0.2 | <0.2 | <0.2 | 0.87 | <0.2 | 0.1 | 97 |
| Simpevarp area | | Surface | 573 | <0.2 | <0.2 | <0.2 | <0.2 | 1.3 | <0.2 | 0.2 | 100 |

Surface Water

| Cd | | | Cadmium (µg/l) | | | | | | | | Cd |
|------------------------|-----------|---------|----------------|--------|--------|------------------|--------|--------|--------|-------|------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 10 | <0.002 | <0.002 | 0.0029 | 0.0039 | 0.0090 | 0.0031 | 0.003 | 81 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.002 | <0.002 | 0.0025 | 0.0050 | 0.0062 | 0.0031 | 0.002 | 73 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.002 | <0.002 | <0.002 | 0.0085 | 0.016 | 0.0060 | 0.009 | 140 |
| Eckarfjärden | PFM000117 | Surface | 9 | <0.002 | 0.0030 | 0.0030 | 0.0040 | 0.0055 | 0.0031 | 0.001 | 46 |
| Eckarfjärden | PFM000117 | Bottom | 4 | <0.002 | <0.002 | 0.0021 | 0.0043 | 0.0080 | 0.0033 | 0.003 | 100 |
| Bolundsfjärden | PFM000107 | Surface | 8 | <0.002 | 0.0032 | 0.0047 | 0.0050 | 0.010 | 0.0046 | 0.003 | 57 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.0053 | 0.0057 | 0.0060 | 0.0076 | 0.0091 | 0.0068 | 0.002 | 30 |
| Norra bassängen | PFM000097 | Surface | 5 | <0.002 | 0.0026 | 0.0030 | 0.0047 | 0.0060 | 0.0035 | 0.002 | 56 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.0026 | | 0.0026 | | 0.0026 | 0.0026 | | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | 0.0031 | 0.0036 | 0.0041 | 0.0045 | 0.0050 | 0.0041 | 0.001 | 33 |
| Fiskarfjärden | PFM000135 | Surface | 5 | <0.002 | <0.002 | 0.0030 | 0.0040 | 0.0060 | 0.0030 | 0.002 | 71 |
| Forsmark area | | Surface | 45 | <0.002 | <0.002 | 0.0030 | 0.0050 | 0.010 | 0.0034 | 0.002 | 63 |
| Forsmark area | | Bottom | 12 | <0.002 | <0.002 | 0.0041 | 0.0065 | 0.016 | 0.0050 | 0.004 | 90 |
| Simpevarp area | | Surface | 1 | <0.002 | | <0.002 | | <0.002 | <0.002 | | |
| Simpevarp area | | Bottom | 1 | <0.002 | | <0.002 | | <0.002 | <0.002 | | |
| Sweden | N.S.2000 | Surface | 1206 | | 0.0050 | 0.0090 | 0.017 | 120 | 0.15 | 4 | 2500 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | <0.05 | <0.05 | <0.05 | <0.05 | 0.12 | <0.05 | 0.03 | 120 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | <0.05 | <0.05 | <0.05 | 0.20 | 0.39 | 0.14 | 0.2 | 160 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 44 |
| Tixelfjärden | PFM000063 | Bottom | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 46 |
| Kallriga, norra | PFM000064 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 60 |
| Kallriga, norra | PFM000064 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | 0.060 | <0.05 | 0.02 | 82 |
| Kallriga, södra | PFM000065 | Surface | 9 | <0.05 | <0.05 | <0.05 | <0.05 | 0.18 | <0.05 | 0.06 | 170 |
| Forsmark area | | Surface | 38 | <0.05 | <0.05 | <0.05 | <0.05 | 0.18 | <0.05 | 0.03 | 150 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | 0.39 | 0.051 | 0.1 | 200 |
| Simpevarp area | | Surface | 4 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| Simpevarp area | | Bottom | 4 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.002 | 0.0020 | 0.0035 | 0.0039 | 0.0060 | 0.0032 | 0.002 | 55 |
| Söder Eckarfjärden | PFM000071 | Surface | 1 | 0.0048 | | 0.0048 | | 0.0048 | 0.0048 | | |
| Norr Eckarfjärden | PFM000070 | Surface | 7 | 0.0021 | 0.0030 | 0.0038 | 0.0085 | 0.017 | 0.0066 | 0.005 | 81 |
| Bolundskogen | PFM000069 | Surface | 3 | <0.002 | <0.002 | 0.0025 | 0.0033 | 0.0040 | 0.0025 | 0.002 | 60 |
| Kungsträsket | PFM000068 | Surface | 8 | <0.002 | 0.0030 | 0.0040 | 0.0061 | 0.0070 | 0.0043 | 0.002 | 47 |
| Lillputtsundet | PFM000067 | Surface | 7 | <0.002 | 0.0027 | 0.0040 | 0.0045 | 0.0090 | 0.0040 | 0.003 | 63 |
| Flottbron | PFM000072 | Surface | 6 | <0.002 | <0.002 | 0.0036 | 0.0063 | 0.013 | 0.0048 | 0.004 | 93 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.0070 | 0.0076 | 0.0082 | 0.013 | 0.018 | 0.011 | 0.006 | 53 |
| Forsmark area | | Surface | 42 | <0.002 | 0.0028 | 0.0040 | 0.0063 | 0.018 | 0.0049 | 0.004 | 79 |
| Simpevarp area | | Surface | 10 | <0.002 | 0.012 | 0.020 | 0.034 | 0.21 | 0.038 | 0.06 | 160 |

Surface Water

| Ca | | | Calcium (mg/l) | | | | | | | | Ca |
|------------------------|-----------|---------|-----------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 40 | 57 | 63 | 66 | 84 | 62 | 10 | 16 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 36 | 51 | 62 | 68 | 120 | 63 | 20 | 30 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 49 | 56 | 66 | 79 | 120 | 73 | 20 | 28 |
| Eckarfjärden | PFM000117 | Surface | 45 | 13 | 36 | 42 | 47 | 61 | 41 | 10 | 24 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 33 | 41 | 50 | 53 | 59 | 48 | 8 | 16 |
| Bolundsfjärden | PFM000107 | Surface | 47 | 23 | 38 | 44 | 49 | 69 | 44 | 10 | 26 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 41 | 45 | 48 | 55 | 68 | 51 | 9 | 17 |
| Norra bassängen | PFM000097 | Surface | 37 | 20 | 33 | 43 | 46 | 130 | 45 | 20 | 52 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 22 | 29 | 30 | 34 | 36 | 30 | 4 | 15 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 29 | 30 | 31 | 35 | 36 | 32 | 3 | 8.9 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 19 | 25 | 44 | 62 | 92 | 46 | 20 | 50 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 74 | | 74 | | 74 | 74 | | |
| Forsmark area | | Surface | 247 | 13 | 37 | 46 | 61 | 130 | 49 | 20 | 37 |
| Forsmark area | | Bottom | 74 | 29 | 43 | 52 | 62 | 120 | 54 | 20 | 34 |
| Simpevarp area | | Surface | 112 | 6.3 | 7.4 | 8.6 | 10 | 13 | 8.8 | 2 | 17 |
| Simpevarp area | | Bottom | 112 | 6.2 | 7.5 | 8.9 | 11 | 13 | 9.1 | 2 | 18 |
| Sweden | N.S.2000 | Surface | 3464 | 0.060 | 2.2 | 3.8 | 6.6 | 130 | 7.2 | 10 | 170 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 64 | 70 | 73 | 76 | 82 | 73 | 4 | 5.5 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 64 | 68 | 70 | 72 | 76 | 70 | 4 | 5.0 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 69 | 70 | 72 | 74 | 81 | 73 | 4 | 5.3 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 69 | 71 | 72 | 77 | 81 | 74 | 5 | 6.1 |
| Tixelfjärden | PFM000063 | Surface | 41 | 62 | 70 | 72 | 76 | 83 | 73 | 5 | 6.4 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 63 | 69 | 70 | 75 | 79 | 71 | 4 | 5.4 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 67 | 68 | 68 | 70 | 73 | 69 | 3 | 4.3 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 68 | 68 | 68 | 71 | 73 | 70 | 3 | 3.8 |
| Kallriga, norra | PFM000064 | Surface | 37 | 38 | 67 | 71 | 72 | 81 | 69 | 8 | 11 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 63 | 69 | 71 | 72 | 76 | 70 | 3 | 4.8 |
| Kallriga, södra | PFM000065 | Surface | 36 | 43 | 64 | 69 | 72 | 79 | 67 | 8 | 12 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 47 | 49 | 55 | 63 | 73 | 57 | 10 | 19 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 49 | 63 | 67 | 67 | 77 | 64 | 10 | 15 |
| Forsmark area | | Surface | 175 | 38 | 69 | 71 | 75 | 83 | 70 | 7 | 10 |
| Forsmark area | | Bottom | 72 | 49 | 68 | 70 | 73 | 81 | 71 | 5 | 6.7 |
| Simpevarp area | | Surface | 160 | 20 | 73 | 89 | 94 | 110 | 83 | 20 | 22 |
| Simpevarp area | | Bottom | 157 | 34 | 85 | 92 | 97 | 110 | 89 | 10 | 13 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 48 | 57 | 62 | 67 | 85 | 62 | 8 | 13 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 52 | 69 | 76 | 82 | 90 | 75 | 9 | 11 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | 10 | 37 | 44 | 48 | 57 | 43 | 9 | 20 |
| Bolundskogen | PFM000069 | Surface | 48 | 30 | 55 | 59 | 64 | 86 | 60 | 9 | 16 |
| Kungsträsket | PFM000068 | Surface | 48 | 35 | 50 | 54 | 60 | 73 | 55 | 9 | 15 |
| Lillputtsundet | PFM000067 | Surface | 44 | 29 | 41 | 44 | 47 | 65 | 44 | 8 | 19 |
| Flottbron | PFM000072 | Surface | 40 | 22 | 38 | 42 | 47 | 73 | 43 | 10 | 23 |
| Söder Bredviken | PFM000073 | Surface | 23 | 81 | 110 | 120 | 130 | 150 | 120 | 20 | 14 |
| Forsmark area | | Surface | 317 | 10 | 45 | 55 | 66 | 150 | 59 | 20 | 38 |
| Simpevarp area | | Surface | 556 | 3.5 | 8.6 | 11 | 15 | 38 | 13 | 6 | 47 |
| Sweden | N.S.2000 | Surface | 725 | 0.26 | 3.0 | 5.4 | 11 | 160 | 15 | 20 | 170 |

Surface Water

| HCO ₃ | | | Bicarbonate (mg/l) | | | | | | | | HCO ₃ |
|------------------------|-----------|---------|--------------------|------|------|------------|------|-----|------|------|------------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 140 | 180 | 200 | 210 | 260 | 200 | 30 | 15 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 120 | 170 | 190 | 210 | 370 | 200 | 50 | 27 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 160 | 190 | 200 | 240 | 370 | 230 | 60 | 27 |
| Eckarfjärden | PFM000117 | Surface | 45 | 46 | 110 | 130 | 150 | 190 | 130 | 30 | 22 |
| Eckarfjärden | PFM000117 | Bottom | 20 | 110 | 130 | 150 | 170 | 190 | 150 | 30 | 17 |
| Bolundsfjärden | PFM000107 | Surface | 46 | 76 | 110 | 130 | 140 | 210 | 130 | 30 | 26 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 110 | 130 | 140 | 170 | 220 | 150 | 30 | 20 |
| Norra bassängen | PFM000097 | Surface | 37 | 69 | 96 | 120 | 140 | 280 | 130 | 50 | 37 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 82 | 97 | 110 | 130 | 140 | 110 | 20 | 16 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 93 | 100 | 110 | 130 | 140 | 110 | 20 | 14 |
| Fiskarfjärden | PFM000135 | Surface | 16 | 83 | 100 | 150 | 210 | 300 | 160 | 80 | 46 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 240 | | 240 | | 240 | 240 | | |
| Forsmark area | | Surface | 244 | 46 | 120 | 140 | 190 | 370 | 160 | 50 | 34 |
| Forsmark area | | Bottom | 73 | 93 | 130 | 160 | 190 | 370 | 170 | 60 | 33 |
| Simpevarp area | | Surface | 112 | 11 | 12 | 14 | 17 | 48 | 18 | 9 | 52 |
| Simpevarp area | | Bottom | 112 | 11 | 13 | 15 | 24 | 60 | 20 | 10 | 52 |
| Sweden | N.S.2000 | Surface | 3464 | -580 | 3.8 | 7.7 | 15 | 340 | 16 | 30 | 200 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 41 | 63 | 74 | 76 | 79 | 85 | 76 | 4 | 5.2 |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 69 | 73 | 74 | 76 | 84 | 75 | 4 | 5.2 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 73 | 75 | 77 | 85 | 100 | 82 | 10 | 14 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 75 | 76 | 78 | 80 | 88 | 79 | 4 | 5.5 |
| Tixelfjärden | PFM000063 | Surface | 41 | 70 | 76 | 78 | 81 | 210 | 85 | 30 | 33 |
| Tixelfjärden | PFM000063 | Bottom | 20 | 71 | 74 | 77 | 83 | 210 | 84 | 30 | 35 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 74 | 74 | 74 | 75 | 75 | 74 | 0.6 | 0.78 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 74 | 74 | 74 | 74 | 75 | 74 | 0.4 | 0.54 |
| Kallriga, norra | PFM000064 | Surface | 37 | 70 | 79 | 86 | 92 | 160 | 90 | 20 | 21 |
| Kallriga, norra | PFM000064 | Bottom | 18 | 75 | 78 | 83 | 93 | 220 | 94 | 30 | 36 |
| Kallriga, södra | PFM000065 | Surface | 36 | 73 | 81 | 85 | 94 | 120 | 89 | 10 | 15 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 78 | 97 | 98 | 100 | 110 | 97 | 10 | 12 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 77 | 78 | 78 | 80 | 110 | 84 | 10 | 17 |
| Forsmark area | | Surface | 174 | 63 | 76 | 80 | 88 | 210 | 85 | 20 | 22 |
| Forsmark area | | Bottom | 69 | 69 | 75 | 77 | 83 | 220 | 84 | 20 | 29 |
| Simpevarp area | | Surface | 160 | 19 | 72 | 89 | 93 | 97 | 81 | 20 | 22 |
| Simpevarp area | | Bottom | 157 | 35 | 87 | 92 | 94 | 110 | 88 | 10 | 12 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 39 | 140 | 170 | 190 | 200 | 250 | 190 | 30 | 14 |
| Söder Eckarfjärden | PFM000071 | Surface | 32 | 170 | 220 | 240 | 260 | 280 | 240 | 30 | 12 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | 30 | 110 | 140 | 150 | 190 | 130 | 30 | 23 |
| Bolundskogen | PFM000069 | Surface | 48 | 110 | 160 | 180 | 190 | 260 | 180 | 30 | 17 |
| Kungsträsket | PFM000068 | Surface | 48 | 93 | 140 | 160 | 180 | 230 | 160 | 30 | 19 |
| Lillputtsundet | PFM000067 | Surface | 44 | 90 | 120 | 130 | 140 | 200 | 130 | 20 | 18 |
| Flottbron | PFM000072 | Surface | 40 | 64 | 130 | 140 | 160 | 230 | 140 | 40 | 25 |
| Söder Bredviken | PFM000073 | Surface | 23 | 280 | 380 | 390 | 420 | 540 | 390 | 60 | 15 |
| Forsmark area | | Surface | 315 | 30 | 140 | 170 | 200 | 540 | 180 | 70 | 41 |
| Simpevarp area | | Surface | 572 | <0.2 | 12 | 18 | 29 | 120 | 23 | 20 | 81 |
| Sweden | N.S.2000 | Surface | 725 | -5.2 | 6.8 | 12 | 27 | 380 | 36 | 60 | 180 |

Surface Water

| C-13 | | | Carbon-13 (dev. PDB) | | | | | | | | C-13 | |
|------------------------|-----------|---------|----------------------|-------|-------|--------------|--------|--------|--------|------|------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 4 | -13.5 | -12.7 | -12.1 | -10.8 | -8.20 | -11.4 | 2.3 | -20 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 5 | -12.0 | -11.7 | -11.2 | -11.0 | -9.00 | -11.0 | 1.2 | -11 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 5 | -13.5 | -12.5 | -12.0 | -11.4 | -8.10 | -11.5 | 2.0 | -18 | |
| Eckarfjärden | PFM000117 | Surface | 4 | -9.00 | -8.70 | -7.80 | -5.60 | -1.39 | -6.50 | 3.5 | -54 | |
| Eckarfjärden | PFM000117 | Bottom | 4 | -8.80 | -8.43 | -8.15 | -6.75 | -3.01 | -7.03 | 2.7 | -38 | |
| Bolundsfjärden | PFM000107 | Surface | 5 | -10.0 | -9.90 | -9.80 | -6.12 | -3.00 | -7.76 | 3.1 | -40 | |
| Bolundsfjärden | PFM000107 | Bottom | 4 | -10.0 | -9.25 | -8.55 | -7.56 | -5.93 | -8.26 | 1.7 | -21 | |
| Norra bassängen | PFM000097 | Surface | 4 | -10.9 | -10.2 | -9.85 | -9.62 | -9.38 | -10.00 | 0.65 | -6.5 | |
| Fiskarfjärden | PFM000127 | Surface | 2 | -8.80 | -8.10 | -7.40 | -6.70 | -6.00 | -7.40 | 2.0 | -27 | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | -8.30 | -7.95 | -7.60 | -7.25 | -6.90 | -7.60 | 0.99 | -13 | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 0.770 | | 0.770 | | 0.770 | 0.770 | | | |
| Forsmark area | | Surface | 26 | -14.0 | -11.2 | -9.75 | -8.30 | 0.770 | -8.98 | 3.5 | -39 | |
| Forsmark area | | Bottom | 15 | -13.5 | -10.7 | -8.30 | -8.05 | -3.01 | -8.92 | 2.7 | -30 | |
| Simpevarp area | | Surface | 4 | -19.1 | -18.9 | -18.6 | -17.1 | -12.9 | -17.3 | 2.9 | -17 | |
| Simpevarp area | | Bottom | 4 | -21.1 | -20.4 | -19.8 | -18.6 | -15.7 | -19.1 | 2.4 | -13 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 3 | -4.00 | -3.80 | -3.60 | -2.85 | -2.10 | -3.23 | 1.0 | -31 | |
| SV Forslingens grund | PFM000062 | Bottom | 2 | -3.60 | -3.43 | -3.25 | -3.08 | -2.90 | -3.25 | 0.49 | -15 | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | -3.00 | -2.49 | -1.98 | -1.47 | -0.960 | -1.98 | 1.4 | -73 | |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | -2.00 | -1.83 | -1.67 | -1.50 | -1.33 | -1.67 | 0.47 | -28 | |
| Tixelfjärden | PFM000063 | Surface | 4 | -6.10 | -5.43 | -4.15 | -3.06 | -2.94 | -4.34 | 1.6 | -36 | |
| Tixelfjärden | PFM000063 | Bottom | 4 | -5.00 | -4.93 | -4.45 | -3.63 | -2.51 | -4.10 | 1.2 | -28 | |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | -3.00 | | -3.00 | | -3.00 | -3.00 | | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | -3.00 | | -3.00 | | -3.00 | -3.00 | | | |
| Kallriga, norra | PFM000064 | Surface | 3 | -10.7 | -9.80 | -8.90 | -6.45 | -4.00 | -7.87 | 3.5 | -44 | |
| Kallriga, norra | PFM000064 | Bottom | 3 | -10.9 | -9.60 | -8.30 | -6.55 | -4.80 | -8.00 | 3.1 | -38 | |
| Kallriga, södra | PFM000065 | Surface | 4 | -10.4 | -9.64 | -8.00 | -6.00 | -4.20 | -7.64 | 2.8 | -37 | |
| Alt. Kallriga | PFM000084 | Surface | 1 | -15.0 | | -15.0 | | -15.0 | -15.0 | | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | -14.0 | | -14.0 | | -14.0 | -14.0 | | | |
| Forsmark area | | Surface | 18 | -15.0 | -8.33 | -4.10 | -3.03 | -0.960 | -5.73 | 3.7 | -65 | |
| Forsmark area | | Bottom | 13 | -14.0 | -5.00 | -4.00 | -2.90 | -1.33 | -5.17 | 3.7 | -72 | |
| Simpevarp area | | Surface | 24 | -6.99 | -4.51 | -1.54 | -0.738 | -0.220 | -2.54 | 2.2 | -88 | |
| Simpevarp area | | Bottom | 24 | -7.22 | -4.68 | -2.49 | -1.09 | -0.530 | -2.94 | 2.2 | -76 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 3 | -13.0 | -13.0 | -12.9 | -12.5 | -12.1 | -12.7 | 0.49 | -3.9 | |
| Söder Eckarfjärden | PFM000071 | Surface | 3 | -16.3 | -16.2 | -16.1 | -15.6 | -15.0 | -15.8 | 0.70 | -4.4 | |
| Norr Eckarfjärden | PFM000070 | Surface | 3 | -10.9 | -10.9 | -10.9 | -9.95 | -9.00 | -10.3 | 1.1 | -11 | |
| Bolundskogen | PFM000069 | Surface | 4 | -20.0 | -15.7 | -13.9 | -13.0 | -11.3 | -14.8 | 3.7 | -25 | |
| Kungsträsket | PFM000068 | Surface | 4 | -14.3 | -14.2 | -13.1 | -12.1 | -12.0 | -13.1 | 1.2 | -9.5 | |
| Lillputtsundet | PFM000067 | Surface | 4 | -12.0 | -10.1 | -9.20 | -7.65 | -3.60 | -8.50 | 3.5 | -41 | |
| Flottbron | PFM000072 | Surface | 4 | -19.5 | -17.6 | -16.1 | -13.6 | -9.00 | -15.2 | 4.5 | -30 | |
| Söder Bredviken | PFM000073 | Surface | 1 | -13.0 | | -13.0 | | -13.0 | -13.0 | | | |
| Forsmark area | | Surface | 26 | -20.0 | -14.8 | -13.0 | -11.0 | -3.60 | -12.9 | 3.5 | -27 | |
| Simpevarp area | | Surface | 31 | -23.8 | -20.3 | -18.4 | -16.7 | -12.5 | -18.2 | 2.9 | -16 | |

Surface Water

| C-14 | | | Carbon-14 (PMC) | | | | | | | | C-14 | |
|------------------------|-----------|---------|-----------------|------|------|-------------|------|------|------|------|------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 4 | 114 | 115 | 116 | 117 | 118 | 116 | 1.9 | 1.6 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 5 | 109 | 114 | 114 | 114 | 114 | 113 | 2.1 | 1.9 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 5 | 109 | 113 | 114 | 114 | 115 | 113 | 2.4 | 2.1 | |
| Eckarfjärden | PFM000117 | Surface | 4 | 113 | 113 | 114 | 114 | 116 | 114 | 1.5 | 1.3 | |
| Eckarfjärden | PFM000117 | Bottom | 4 | 113 | 113 | 115 | 116 | 116 | 115 | 1.7 | 1.5 | |
| Bolundsfjärden | PFM000107 | Surface | 5 | 109 | 111 | 111 | 112 | 114 | 111 | 1.8 | 1.6 | |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 111 | 112 | 113 | 113 | 113 | 112 | 0.98 | 0.87 | |
| Norra bassängen | PFM000097 | Surface | 4 | 110 | 112 | 112 | 113 | 114 | 112 | 1.7 | 1.5 | |
| Fiskarfjärden | PFM000127 | Surface | 2 | 110 | 110 | 110 | 111 | 111 | 110 | 0.57 | 0.51 | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | 109 | 109 | 109 | 109 | 110 | 109 | 0.64 | 0.58 | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 109 | | 109 | | 109 | 109 | | | |
| Forsmark area | | Surface | 26 | 109 | 111 | 113 | 114 | 118 | 113 | 2.5 | 2.2 | |
| Forsmark area | | Bottom | 15 | 109 | 112 | 113 | 114 | 116 | 113 | 2.3 | 2.1 | |
| Simpevarp area | | Surface | 4 | 65.9 | 73.7 | 90.7 | 105 | 106 | 88.3 | 20 | 23 | |
| Simpevarp area | | Bottom | 4 | 66.0 | 75.3 | 91.1 | 104 | 106 | 88.5 | 20 | 22 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 3 | 108 | 109 | 110 | 110 | 111 | 109 | 1.7 | 1.5 | |
| SV Forslingens grund | PFM000062 | Bottom | 2 | 109 | 109 | 109 | 109 | 109 | 109 | 0.35 | 0.33 | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 108 | 108 | 109 | 109 | 109 | 109 | 1.1 | 1.00 | |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 109 | 109 | 109 | 109 | 109 | 109 | 0.52 | 0.47 | |
| Tixelfjärden | PFM000063 | Surface | 4 | 105 | 107 | 109 | 110 | 111 | 108 | 2.4 | 2.2 | |
| Tixelfjärden | PFM000063 | Bottom | 4 | 106 | 108 | 110 | 110 | 110 | 109 | 2.1 | 2.0 | |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 110 | | 110 | | 110 | 110 | | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 110 | | 110 | | 110 | 110 | | | |
| Kallriga, norra | PFM000064 | Surface | 3 | 107 | 108 | 108 | 109 | 109 | 108 | 1.0 | 0.93 | |
| Kallriga, norra | PFM000064 | Bottom | 3 | 106 | 107 | 108 | 109 | 109 | 108 | 1.4 | 1.3 | |
| Kallriga, södra | PFM000065 | Surface | 4 | 107 | 107 | 108 | 109 | 109 | 108 | 1.3 | 1.2 | |
| Alt. Kallriga | PFM000084 | Surface | 1 | 100 | | 100 | | 100 | 100 | | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 95.6 | | 95.6 | | 95.6 | 95.6 | | | |
| Forsmark area | | Surface | 18 | 100 | 107 | 108 | 109 | 111 | 108 | 2.5 | 2.3 | |
| Forsmark area | | Bottom | 13 | 95.6 | 108 | 109 | 109 | 110 | 108 | 3.9 | 3.6 | |
| Simpevarp area | | Surface | 24 | 107 | 108 | 108 | 109 | 111 | 109 | 1.2 | 1.1 | |
| Simpevarp area | | Bottom | 24 | 106 | 108 | 109 | 109 | 111 | 108 | 1.4 | 1.3 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 3 | 107 | 110 | 113 | 113 | 114 | 111 | 3.8 | 3.4 | |
| Söder Eckarfjärden | PFM000071 | Surface | 3 | 93.3 | 94.4 | 95.5 | 98.2 | 101 | 96.5 | 3.9 | 4.0 | |
| Norr Eckarfjärden | PFM000070 | Surface | 3 | 113 | 114 | 114 | 116 | 117 | 115 | 2.2 | 1.9 | |
| Bolundskogen | PFM000069 | Surface | 4 | 113 | 114 | 115 | 116 | 116 | 115 | 1.6 | 1.4 | |
| Kungsträsket | PFM000068 | Surface | 4 | 111 | 113 | 114 | 114 | 116 | 113 | 1.8 | 1.6 | |
| Lillputtsundet | PFM000067 | Surface | 4 | 110 | 111 | 112 | 112 | 113 | 111 | 1.2 | 1.1 | |
| Flottbron | PFM000072 | Surface | 4 | 109 | 109 | 110 | 110 | 111 | 110 | 0.95 | 0.87 | |
| Söder Bredviken | PFM000073 | Surface | 1 | 101 | | 101 | | 101 | 101 | | | |
| Forsmark area | | Surface | 26 | 93.3 | 110 | 112 | 114 | 117 | 110 | 6.2 | 5.6 | |
| Simpevarp area | | Surface | 31 | 66.0 | 93.9 | 98.4 | 101 | 106 | 96.4 | 8.0 | 8.3 | |

Surface Water

| DIC | | | Dissolved inorganic carbon (mg/l) | | | | | | | | DIC |
|------------------------|-----------|---------|-----------------------------------|------|------|-------------|------|-----|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 44 | 4.0 | 24 | 29 | 33 | 56 | 29 | 10 | 34 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 1.9 | 21 | 26 | 30 | 65 | 28 | 10 | 45 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 1.9 | 23 | 26 | 32 | 55 | 28 | 10 | 53 |
| Eckarfjärden | PFM000117 | Surface | 47 | 1.2 | 14 | 19 | 23 | 34 | 19 | 7 | 39 |
| Eckarfjärden | PFM000117 | Bottom | 20 | 0.89 | 16 | 19 | 27 | 34 | 18 | 10 | 56 |
| Bolundsfjärden | PFM000107 | Surface | 49 | 2.1 | 14 | 17 | 22 | 40 | 19 | 9 | 48 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | 0.80 | 14 | 18 | 27 | 38 | 20 | 10 | 53 |
| Norra bassängen | PFM000097 | Surface | 37 | 0.60 | 11 | 16 | 21 | 47 | 18 | 10 | 58 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 0.94 | 11 | 14 | 17 | 19 | 14 | 5 | 35 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 1.2 | 9.0 | 15 | 17 | 18 | 12 | 6 | 55 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 9.0 | 15 | 23 | 34 | 51 | 26 | 10 | 51 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 47 | | 47 | | 47 | 47 | | |
| Forsmark area | | Surface | 255 | 0.60 | 15 | 21 | 29 | 65 | 22 | 10 | 49 |
| Forsmark area | | Bottom | 74 | 0.80 | 15 | 20 | 28 | 55 | 21 | 10 | 61 |
| Simpevarp area | | Surface | 112 | 1.5 | 2.0 | 2.3 | 2.9 | 8.0 | 3.0 | 2 | 55 |
| Simpevarp area | | Bottom | 112 | 0.30 | 2.1 | 2.7 | 4.6 | 21 | 3.6 | 2 | 68 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | 0.38 | 8.3 | 12 | 14 | 15 | 11 | 4 | 39 |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 0.33 | 5.5 | 8.0 | 12 | 13 | 8.0 | 4 | 55 |
| Alt. SV Forslingen | PFM000082 | Surface | 7 | 7.1 | 8.3 | 10 | 12 | 14 | 10 | 3 | 27 |
| Alt. SV Forslingen | PFM000082 | Bottom | 7 | 4.2 | 5.7 | 6.2 | 13 | 16 | 8.9 | 5 | 51 |
| Tixelfjärden | PFM000063 | Surface | 40 | 0.60 | 7.5 | 12 | 14 | 19 | 10 | 5 | 45 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 0.80 | 4.0 | 10 | 14 | 16 | 9.1 | 5 | 59 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 5.1 | 5.6 | 6.1 | 7.2 | 8.3 | 6.5 | 2 | 25 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 4.9 | 6.7 | 8.6 | 9.2 | 9.9 | 7.8 | 3 | 33 |
| Kallriga, norra | PFM000064 | Surface | 36 | 1.4 | 8.0 | 13 | 15 | 27 | 12 | 6 | 47 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 0.65 | 6.9 | 11 | 13 | 21 | 10 | 6 | 54 |
| Kallriga, södra | PFM000065 | Surface | 36 | 0.79 | 10 | 14 | 16 | 24 | 13 | 5 | 41 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 6.3 | 13 | 15 | 15 | 17 | 13 | 4 | 31 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 7.3 | 7.5 | 8.1 | 12 | 13 | 9.5 | 3 | 28 |
| Forsmark area | | Surface | 172 | 0.38 | 7.9 | 13 | 14 | 27 | 11 | 5 | 44 |
| Forsmark area | | Bottom | 69 | 0.33 | 5.6 | 10.0 | 12 | 21 | 9.2 | 5 | 53 |
| Simpevarp area | | Surface | 163 | 4.2 | 13 | 15 | 16 | 18 | 14 | 3 | 23 |
| Simpevarp area | | Bottom | 159 | 7.6 | 14 | 16 | 17 | 21 | 15 | 2 | 15 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 1.7 | 27 | 29 | 32 | 46 | 29 | 9 | 32 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 4.0 | 30 | 33 | 37 | 48 | 32 | 9 | 29 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | 1.0 | 18 | 21 | 24 | 33 | 21 | 7 | 32 |
| Bolundskogen | PFM000069 | Surface | 49 | 1.9 | 24 | 29 | 31 | 50 | 28 | 9 | 33 |
| Kungsträsket | PFM000068 | Surface | 47 | 1.7 | 22 | 26 | 30 | 40 | 26 | 8 | 30 |
| Lillputtsundet | PFM000067 | Surface | 44 | 0.90 | 14 | 19 | 22 | 38 | 18 | 9 | 48 |
| Flottbron | PFM000072 | Surface | 39 | 1.8 | 15 | 23 | 26 | 44 | 21 | 9 | 44 |
| Söder Bredviken | PFM000073 | Surface | 23 | 2.7 | 39 | 45 | 51 | 59 | 42 | 10 | 33 |
| Forsmark area | | Surface | 319 | 0.90 | 20 | 26 | 32 | 59 | 26 | 10 | 42 |
| Simpevarp area | | Surface | 564 | 0.20 | 2.0 | 3.0 | 4.7 | 20 | 3.9 | 3 | 80 |

Surface Water

| DOC | | | Dissolved organic carbon (mg/l) | | | | | | | | DOC |
|------------------------|-----------|---------|---------------------------------|-----|------|--------|------|-----|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 44 | 9.8 | 15 | 17 | 18 | 22 | 16 | 3 | 15 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 7.4 | 14 | 16 | 17 | 27 | 16 | 4 | 23 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 9.0 | 13 | 16 | 19 | 27 | 17 | 5 | 27 |
| Eckarfjärden | PFM000117 | Surface | 47 | 5.9 | 17 | 18 | 19 | 26 | 18 | 3 | 15 |
| Eckarfjärden | PFM000117 | Bottom | 20 | 8.3 | 17 | 18 | 20 | 22 | 18 | 3 | 19 |
| Bolundsfjärden | PFM000107 | Surface | 49 | 6.3 | 15 | 16 | 18 | 25 | 17 | 4 | 25 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | 8.6 | 15 | 17 | 20 | 24 | 17 | 4 | 21 |
| Norra bassängen | PFM000097 | Surface | 37 | 4.2 | 16 | 18 | 20 | 33 | 18 | 5 | 28 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 12 | 16 | 18 | 19 | 22 | 17 | 3 | 16 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 7.5 | 16 | 17 | 19 | 23 | 17 | 4 | 25 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 15 | 17 | 17 | 23 | 29 | 19 | 4 | 22 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 28 | | 28 | | 28 | 28 | | |
| Forsmark area | | Surface | 255 | 4.2 | 15 | 17 | 19 | 33 | 17 | 4 | 23 |
| Forsmark area | | Bottom | 74 | 7.5 | 15 | 18 | 20 | 28 | 17 | 4 | 23 |
| Simpevarp area | | Surface | 111 | 8.6 | 12 | 15 | 17 | 24 | 15 | 4 | 24 |
| Simpevarp area | | Bottom | 112 | 8.2 | 12 | 15 | 17 | 23 | 14 | 3 | 23 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | 1.4 | 3.3 | 3.6 | 3.8 | 4.9 | 3.4 | 0.7 | 22 |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 1.1 | 2.0 | 2.5 | 3.8 | 4.1 | 2.7 | 1.0 | 36 |
| Alt. SV Forslingen | PFM000082 | Surface | 7 | 1.3 | 1.9 | 2.1 | 4.3 | 4.7 | 2.9 | 1 | 49 |
| Alt. SV Forslingen | PFM000082 | Bottom | 7 | 1.2 | 1.7 | 1.9 | 3.5 | 3.9 | 2.5 | 1 | 46 |
| Tixelfjärden | PFM000063 | Surface | 40 | 1.1 | 2.8 | 4.0 | 4.2 | 11 | 3.9 | 2 | 48 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 1.6 | 2.4 | 3.9 | 4.2 | 13 | 3.9 | 2 | 59 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 2.7 | 2.7 | 2.7 | 3.4 | 4.1 | 3.2 | 0.8 | 26 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 2.1 | 2.9 | 3.7 | 4.2 | 4.7 | 3.5 | 1 | 37 |
| Kallriga, norra | PFM000064 | Surface | 37 | 2.1 | 5.0 | 5.7 | 7.1 | 21 | 6.7 | 4 | 61 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 2.2 | 3.7 | 5.1 | 6.8 | 16 | 5.8 | 3 | 58 |
| Kallriga, södra | PFM000065 | Surface | 36 | 1.6 | 4.4 | 5.2 | 9.4 | 20 | 7.6 | 5 | 69 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 2.9 | 12 | 13 | 13 | 14 | 11 | 5 | 42 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 2.0 | 3.2 | 3.7 | 3.7 | 14 | 5.3 | 5 | 92 |
| Forsmark area | | Surface | 173 | 1.1 | 3.4 | 4.0 | 5.6 | 21 | 5.3 | 4 | 73 |
| Forsmark area | | Bottom | 69 | 1.1 | 2.3 | 3.8 | 4.4 | 16 | 4.1 | 3 | 68 |
| Simpevarp area | | Surface | 163 | 1.9 | 4.0 | 4.6 | 7.5 | 26 | 6.2 | 3 | 56 |
| Simpevarp area | | Bottom | 160 | 3.4 | 3.9 | 4.4 | 6.0 | 12 | 5.1 | 2 | 32 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 7.3 | 14 | 16 | 18 | 21 | 16 | 3 | 17 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 6.8 | 11 | 12 | 13 | 18 | 12 | 2 | 19 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | 5.4 | 16 | 17 | 20 | 25 | 17 | 4 | 22 |
| Bolundskogen | PFM000069 | Surface | 49 | 11 | 16 | 18 | 20 | 28 | 18 | 4 | 20 |
| Kungsträsket | PFM000068 | Surface | 47 | 8.7 | 18 | 20 | 22 | 24 | 19 | 4 | 20 |
| Lillputtsundet | PFM000067 | Surface | 44 | 2.9 | 15 | 17 | 19 | 25 | 17 | 4 | 24 |
| Flottbron | PFM000072 | Surface | 39 | 4.1 | 15 | 17 | 19 | 23 | 17 | 4 | 24 |
| Söder Bredviken | PFM000073 | Surface | 23 | 3.0 | 6.5 | 7.1 | 8.6 | 14 | 7.6 | 2 | 30 |
| Forsmark area | | Surface | 319 | 2.9 | 13 | 17 | 19 | 28 | 16 | 5 | 29 |
| Simpevarp area | | Surface | 564 | 7.6 | 17 | 20 | 24 | 70 | 22 | 8 | 36 |

Surface Water

| POC | | | Particulate organic carbon (mg/l) | | | | | | | | POC |
|------------------------|-----------|---------|-----------------------------------|-------|------|-------------|------|------|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 43 | 0.046 | 0.14 | 0.22 | 0.32 | 0.66 | 0.24 | 0.1 | 53 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 40 | 0.065 | 0.17 | 0.27 | 0.36 | 0.63 | 0.28 | 0.1 | 48 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 20 | 0.16 | 0.22 | 0.27 | 0.34 | 0.50 | 0.29 | 0.1 | 34 |
| Eckarfjärden | PFM000117 | Surface | 47 | 0.22 | 0.37 | 0.48 | 0.58 | 0.82 | 0.49 | 0.2 | 33 |
| Eckarfjärden | PFM000117 | Bottom | 19 | 0.24 | 0.37 | 0.41 | 0.51 | 0.70 | 0.44 | 0.1 | 30 |
| Bolundsfjärden | PFM000107 | Surface | 47 | 0.090 | 0.27 | 0.37 | 0.45 | 2.6 | 0.49 | 0.4 | 89 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 0.17 | 0.25 | 0.31 | 0.43 | 1.2 | 0.38 | 0.2 | 58 |
| Norra bassängen | PFM000097 | Surface | 35 | 0.19 | 0.29 | 0.35 | 0.46 | 0.84 | 0.40 | 0.2 | 39 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 0.33 | 0.89 | 1.3 | 2.5 | 5.0 | 1.8 | 1 | 74 |
| Fiskarfjärden | PFM000127 | Bottom | 8 | 0.34 | 1.1 | 1.2 | 1.3 | 2.6 | 1.2 | 0.6 | 50 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.37 | 0.50 | 0.63 | 0.76 | 6.3 | 0.99 | 1 | 130 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.71 | | 0.71 | | 0.71 | 0.71 | | |
| Forsmark area | | Surface | 248 | 0.046 | 0.25 | 0.37 | 0.53 | 6.3 | 0.50 | 0.6 | 120 |
| Forsmark area | | Bottom | 69 | 0.16 | 0.27 | 0.35 | 0.50 | 2.6 | 0.48 | 0.4 | 80 |
| Simpevarp area | | Surface | 112 | 0.077 | 0.43 | 0.70 | 0.89 | 5.5 | 0.78 | 0.6 | 81 |
| Simpevarp area | | Bottom | 111 | 0.15 | 0.50 | 0.80 | 1.1 | 5.1 | 0.96 | 0.8 | 80 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 41 | 0.13 | 0.20 | 0.26 | 0.33 | 0.55 | 0.27 | 0.10 | 35 |
| SV Forslingens grund | PFM000062 | Bottom | 13 | 0.14 | 0.19 | 0.29 | 0.32 | 0.50 | 0.28 | 0.1 | 38 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.13 | 0.18 | 0.21 | 0.43 | 0.93 | 0.34 | 0.3 | 79 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.10 | 0.15 | 0.22 | 0.31 | 0.45 | 0.25 | 0.1 | 52 |
| Tixelfjärden | PFM000063 | Surface | 40 | 0.13 | 0.26 | 0.34 | 0.43 | 1.0 | 0.37 | 0.2 | 52 |
| Tixelfjärden | PFM000063 | Bottom | 19 | 0.080 | 0.20 | 0.30 | 0.38 | 0.53 | 0.31 | 0.1 | 42 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.23 | 0.33 | 0.42 | 0.48 | 0.55 | 0.40 | 0.2 | 39 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.22 | 0.32 | 0.41 | 0.45 | 0.50 | 0.38 | 0.1 | 38 |
| Kallriga, norra | PFM000064 | Surface | 36 | 0.18 | 0.47 | 0.63 | 0.89 | 2.2 | 0.75 | 0.5 | 62 |
| Kallriga, norra | PFM000064 | Bottom | 18 | 0.21 | 0.32 | 0.50 | 0.66 | 1.0 | 0.54 | 0.3 | 49 |
| Kallriga, södra | PFM000065 | Surface | 35 | 0.22 | 0.36 | 0.48 | 0.73 | 1.1 | 0.57 | 0.3 | 45 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.45 | 0.57 | 0.61 | 0.76 | 0.76 | 0.63 | 0.1 | 21 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.22 | 0.27 | 0.28 | 0.65 | 0.80 | 0.44 | 0.3 | 59 |
| Forsmark area | | Surface | 170 | 0.13 | 0.26 | 0.38 | 0.60 | 2.2 | 0.48 | 0.3 | 68 |
| Forsmark area | | Bottom | 66 | 0.080 | 0.22 | 0.31 | 0.45 | 1.0 | 0.37 | 0.2 | 57 |
| Simpevarp area | | Surface | 156 | 0.029 | 0.13 | 0.27 | 0.51 | 1.6 | 0.36 | 0.3 | 83 |
| Simpevarp area | | Bottom | 157 | 0.021 | 0.12 | 0.24 | 0.43 | 1.6 | 0.33 | 0.3 | 89 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 0.068 | 0.14 | 0.18 | 0.23 | 0.66 | 0.20 | 0.1 | 53 |
| Söder Eckarfjärden | PFM000071 | Surface | 32 | 0.064 | 0.12 | 0.20 | 0.32 | 1.5 | 0.29 | 0.3 | 97 |
| Norr Eckarfjärden | PFM000070 | Surface | 42 | 0.12 | 0.21 | 0.32 | 0.42 | 1.1 | 0.34 | 0.2 | 53 |
| Bolundskogen | PFM000069 | Surface | 47 | 0.058 | 0.16 | 0.20 | 0.27 | 1.1 | 0.24 | 0.2 | 66 |
| Kungsträsket | PFM000068 | Surface | 47 | 0.083 | 0.19 | 0.26 | 0.38 | 1.2 | 0.31 | 0.2 | 60 |
| Lillputtsundet | PFM000067 | Surface | 41 | 0.18 | 0.27 | 0.40 | 0.64 | 1.9 | 0.53 | 0.4 | 70 |
| Flottbron | PFM000072 | Surface | 39 | 0.11 | 0.30 | 0.45 | 0.78 | 2.2 | 0.60 | 0.4 | 73 |
| Söder Bredviken | PFM000073 | Surface | 22 | 0.088 | 0.17 | 0.30 | 0.41 | 1.9 | 0.41 | 0.4 | 99 |
| Forsmark area | | Surface | 311 | 0.058 | 0.18 | 0.26 | 0.41 | 2.2 | 0.36 | 0.3 | 84 |
| Simpevarp area | | Surface | 560 | 0.080 | 0.75 | 1.3 | 2.2 | 15 | 1.8 | 2 | 97 |

Surface Water

| TOC | | | Total organic carbon (mg/l) | | | | | | | | TOC |
|------------------------|-----------|---------|-----------------------------|------|------|--------|------|-----|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 44 | 11 | 15 | 17 | 19 | 21 | 17 | 2 | 15 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 11 | 14 | 16 | 18 | 27 | 16 | 3 | 21 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 8.3 | 14 | 17 | 18 | 28 | 17 | 4 | 26 |
| Eckarfjärden | PFM000117 | Surface | 47 | 6.5 | 17 | 18 | 19 | 26 | 18 | 3 | 18 |
| Eckarfjärden | PFM000117 | Bottom | 20 | 15 | 18 | 19 | 20 | 23 | 19 | 2 | 9.9 |
| Bolundsfjärden | PFM000107 | Surface | 49 | 8.5 | 15 | 16 | 19 | 26 | 17 | 4 | 24 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | 13 | 15 | 17 | 19 | 24 | 17 | 3 | 17 |
| Norra bassängen | PFM000097 | Surface | 36 | 5.5 | 16 | 18 | 21 | 35 | 19 | 5 | 27 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 13 | 16 | 18 | 20 | 23 | 18 | 3 | 17 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 11 | 16 | 18 | 21 | 23 | 18 | 4 | 19 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 15 | 16 | 18 | 23 | 28 | 19 | 4 | 21 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 28 | | 28 | | 28 | 28 | | |
| Forsmark area | | Surface | 254 | 5.5 | 16 | 17 | 19 | 35 | 17 | 4 | 22 |
| Forsmark area | | Bottom | 74 | 8.3 | 16 | 18 | 19 | 28 | 18 | 3 | 20 |
| Simpevarp area | | Surface | 112 | 8.6 | 12 | 16 | 17 | 25 | 15 | 4 | 25 |
| Simpevarp area | | Bottom | 112 | 4.9 | 12 | 16 | 17 | 23 | 15 | 4 | 24 |
| Sweden | N.S.2000 | Surface | 3464 | 0.20 | 6.0 | 9.8 | 15 | 51 | 11 | 7 | 65 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 1.5 | 3.4 | 3.7 | 3.9 | 4.6 | 3.5 | 0.7 | 22 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 1.3 | 2.9 | 3.7 | 4.0 | 4.4 | 3.3 | 1 | 32 |
| Alt. SV Forslingen | PFM000082 | Surface | 7 | 2.0 | 2.4 | 2.6 | 4.1 | 4.9 | 3.2 | 1 | 35 |
| Alt. SV Forslingen | PFM000082 | Bottom | 7 | 1.6 | 1.8 | 3.2 | 3.9 | 5.2 | 3.1 | 1 | 45 |
| Tixelfjärden | PFM000063 | Surface | 40 | 1.0 | 3.6 | 4.1 | 4.3 | 18 | 4.3 | 3 | 61 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 1.4 | 3.4 | 3.9 | 4.3 | 16 | 4.2 | 3 | 70 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 3.0 | 3.4 | 3.7 | 4.1 | 4.5 | 3.7 | 0.8 | 20 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 2.7 | 3.6 | 4.6 | 4.6 | 4.7 | 4.0 | 1 | 28 |
| Kallriga, norra | PFM000064 | Surface | 37 | 1.9 | 4.1 | 5.4 | 8.3 | 19 | 7.0 | 4 | 61 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 2.5 | 4.2 | 5.0 | 6.5 | 16 | 6.1 | 3 | 56 |
| Kallriga, södra | PFM000065 | Surface | 36 | 2.3 | 4.0 | 5.4 | 9.2 | 20 | 7.4 | 5 | 72 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 2.5 | 13 | 13 | 13 | 15 | 11 | 5 | 44 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 2.5 | 3.3 | 3.8 | 4.1 | 14 | 5.5 | 5 | 85 |
| Forsmark area | | Surface | 172 | 1.0 | 3.6 | 4.1 | 5.5 | 20 | 5.5 | 4 | 73 |
| Forsmark area | | Bottom | 70 | 1.3 | 3.4 | 3.9 | 4.7 | 16 | 4.5 | 3 | 65 |
| Simpevarp area | | Surface | 163 | 3.5 | 4.0 | 4.5 | 7.8 | 26 | 6.3 | 4 | 56 |
| Simpevarp area | | Bottom | 160 | 3.4 | 3.9 | 4.4 | 5.9 | 15 | 5.1 | 2 | 34 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 11 | 15 | 16 | 18 | 21 | 16 | 2 | 13 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 8.6 | 11 | 12 | 13 | 18 | 12 | 2 | 17 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | 5.6 | 17 | 18 | 20 | 25 | 18 | 4 | 22 |
| Bolundskogen | PFM000069 | Surface | 49 | 13 | 17 | 19 | 21 | 27 | 19 | 3 | 17 |
| Kungsträsket | PFM000068 | Surface | 48 | 14 | 18 | 20 | 22 | 25 | 20 | 3 | 14 |
| Lillputtsundet | PFM000067 | Surface | 44 | 2.5 | 16 | 17 | 20 | 25 | 17 | 4 | 23 |
| Flottbron | PFM000072 | Surface | 39 | 10 | 16 | 17 | 20 | 22 | 17 | 3 | 17 |
| Söder Bredviken | PFM000073 | Surface | 23 | 5.0 | 6.2 | 6.9 | 8.9 | 12 | 7.7 | 2 | 25 |
| Forsmark area | | Surface | 320 | 2.5 | 14 | 17 | 20 | 27 | 17 | 4 | 27 |
| Simpevarp area | | Surface | 562 | 7.9 | 17 | 20 | 25 | 70 | 23 | 9 | 38 |
| Sweden | N.S.2000 | Surface | 725 | 0.20 | 7.1 | 11 | 17 | 53 | 12 | 7 | 60 |

Surface Water

| Ce | | | Cerium (µg/l) | | | | | | | | Ce |
|------------------------|-----------|---------|---------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | 0.029 | 0.057 | 0.065 | 0.084 | 0.090 | 0.066 | 0.02 | 32 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.010 | 0.043 | 0.065 | 0.072 | 0.11 | 0.059 | 0.03 | 52 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.069 | 0.078 | 0.086 | 0.12 | 0.16 | 0.10 | 0.05 | 46 |
| Eckarfjärden | PFM000117 | Surface | 7 | 0.0088 | 0.013 | 0.034 | 0.082 | 0.11 | 0.049 | 0.04 | 85 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.022 | 0.066 | 0.11 | 0.13 | 0.15 | 0.094 | 0.07 | 70 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.065 | 0.11 | 0.15 | 0.20 | 0.35 | 0.17 | 0.09 | 56 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.17 | 0.20 | 0.22 | 0.25 | 0.29 | 0.23 | 0.06 | 25 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.067 | 0.089 | 0.15 | 0.21 | 0.35 | 0.17 | 0.1 | 63 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.021 | | 0.021 | | 0.021 | 0.021 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.041 | 0.049 | 0.059 | 0.073 | 0.091 | 0.063 | 0.02 | 35 |
| Forsmark area | | Surface | 39 | 0.0088 | 0.052 | 0.076 | 0.11 | 0.35 | 0.096 | 0.08 | 82 |
| Forsmark area | | Bottom | 10 | 0.021 | 0.074 | 0.13 | 0.17 | 0.29 | 0.13 | 0.08 | 66 |
| Simpevarp area | | Surface | 1 | 0.19 | | 0.19 | | 0.19 | 0.19 | | |
| Simpevarp area | | Bottom | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | 0.084 | <0.05 | 0.02 | 80 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.0005 | 3.9 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | 0.030 | 0.050 | 0.070 | 0.090 | 0.050 | 0.06 | 110 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | 0.034 | 0.057 | 0.081 | 0.10 | 0.057 | 0.07 | 120 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | 0.25 | 0.060 | 0.08 | 140 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 39 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.14 | | 0.14 | | 0.14 | 0.14 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.069 | | 0.069 | | 0.069 | 0.069 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | 0.062 | 0.57 | 1.1 | 0.34 | 0.5 | 140 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | 0.14 | 0.24 | 0.10 | 0.1 | 110 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | 0.095 | 0.48 | 3.5 | 0.64 | 1 | 190 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 1.3 | | 1.3 | | 1.3 | 1.3 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 1.4 | | 1.4 | | 1.4 | 1.4 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | 0.16 | 3.5 | 0.28 | 0.7 | 230 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | 0.069 | 1.4 | 0.15 | 0.4 | 250 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.048 | 0.060 | 0.092 | 0.10 | 0.11 | 0.082 | 0.03 | 31 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.035 | 0.066 | 0.085 | 0.12 | 0.16 | 0.092 | 0.04 | 48 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.12 | | 0.12 | | 0.12 | 0.12 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.15 | 0.19 | 0.28 | 0.33 | 0.37 | 0.27 | 0.09 | 34 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.054 | 0.079 | 0.090 | 0.14 | 0.34 | 0.14 | 0.1 | 82 |
| Flottbron | PFM000072 | Surface | 5 | 0.026 | 0.041 | 0.043 | 0.10 | 0.24 | 0.091 | 0.09 | 99 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.015 | 0.031 | 0.047 | 0.070 | 0.094 | 0.052 | 0.04 | 77 |
| Forsmark area | | Surface | 33 | 0.015 | 0.054 | 0.10 | 0.15 | 0.37 | 0.13 | 0.10 | 78 |
| Simpevarp area | | Surface | 10 | 0.22 | 0.40 | 0.57 | 0.88 | 1.2 | 0.65 | 0.3 | 49 |

Surface Water

| Cs | | | Cesium ($\mu\text{g/l}$) | | | | | | | | Cs | |
|------------------------|-----------|---------|----------------------------|-------|-------|--------|-------|-------|-------|-------|-----|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.003 | 24 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 35 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 46 | |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 27 | |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 43 | |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 29 | |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 31 | |
| Norra bassängen | PFM000097 | Surface | 6 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 36 | |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | | |
| Forsmark area | | Surface | 39 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 29 | |
| Forsmark area | | Bottom | 10 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 33 | |
| Simpevarp area | | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Simpevarp area | | Bottom | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 8 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 71 | |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.004 | 16 | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.01 | 24 | |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.01 | 25 | |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 85 | |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.06 | 93 | |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.039 | | 0.039 | | 0.039 | 0.039 | | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.032 | | 0.032 | | 0.032 | 0.032 | | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 100 | |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.08 | 130 | |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.07 | 120 | |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.033 | | 0.033 | | 0.033 | 0.033 | | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.041 | | 0.041 | | 0.041 | 0.041 | | | |
| Forsmark area | | Surface | 35 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 88 | |
| Forsmark area | | Bottom | 13 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 94 | |
| Simpevarp area | | Surface | 4 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | | | |
| Simpevarp area | | Bottom | 4 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.003 | 27 | |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.003 | 21 | |
| Bolundskogen | PFM000069 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.002 | 13 | |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 35 | |
| Flottbron | PFM000072 | Surface | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 27 | |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 37 | |
| Forsmark area | | Surface | 33 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.003 | 24 | |
| Simpevarp area | | Surface | 10 | <0.03 | <0.03 | <0.03 | <0.03 | 0.039 | <0.03 | 0.008 | 44 | |

Surface Water

| CI | | | Chloride (mg/l) | | | | | | | | CI |
|------------------------|-----------|---------|-----------------|------|------|-------------|------|------|------|------|------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 4.6 | 7.4 | 9.5 | 12 | 39 | 11 | 7 | 61 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 7.4 | 9.5 | 11 | 13 | 38 | 12 | 5 | 45 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 8.0 | 10 | 13 | 15 | 18 | 13 | 3 | 22 |
| Eckarfjärden | PFM000117 | Surface | 45 | 0.90 | 4.7 | 5.3 | 6.0 | 8.3 | 5.5 | 1 | 24 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 3.9 | 4.3 | 4.9 | 6.2 | 9.3 | 5.4 | 1 | 26 |
| Bolundsfjärden | PFM000107 | Surface | 46 | 13 | 33 | 42 | 86 | 180 | 61 | 50 | 75 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 22 | 83 | 99 | 150 | 490 | 130 | 100 | 84 |
| Norra bassängen | PFM000097 | Surface | 37 | 34 | 54 | 86 | 140 | 430 | 110 | 90 | 81 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 26 | 31 | 38 | 45 | 47 | 37 | 8 | 21 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 22 | 28 | 30 | 36 | 47 | 32 | 7 | 24 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 7.5 | 33 | 39 | 42 | 50 | 37 | 10 | 28 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 41 | | 41 | | 41 | 41 | | |
| Forsmark area | | Surface | 246 | 0.90 | 7.6 | 15 | 43 | 430 | 38 | 60 | 140 |
| Forsmark area | | Bottom | 74 | 3.9 | 6.9 | 15 | 40 | 490 | 46 | 80 | 170 |
| Simpevarp area | | Surface | 112 | 7.6 | 11 | 13 | 15 | 24 | 14 | 4 | 27 |
| Simpevarp area | | Bottom | 112 | 7.4 | 11 | 13 | 17 | 30 | 14 | 5 | 31 |
| Sweden | N.S.2000 | Surface | 3464 | 0.11 | 0.64 | 1.5 | 5.9 | 3400 | 6.2 | 70 | 1100 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 2300 | 2700 | 2700 | 2800 | 3000 | 2700 | 100 | 4.1 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 2400 | 2600 | 2600 | 2700 | 2900 | 2600 | 100 | 4.4 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 1800 | 2600 | 2700 | 2700 | 2800 | 2600 | 300 | 12 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 2700 | 2700 | 2800 | 2800 | 2800 | 2700 | 40 | 1.5 |
| Tixelfjärden | PFM000063 | Surface | 41 | 1500 | 2600 | 2700 | 2700 | 3000 | 2600 | 300 | 12 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 2400 | 2600 | 2600 | 2700 | 2800 | 2600 | 90 | 3.6 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 2500 | 2600 | 2600 | 2700 | 2800 | 2600 | 100 | 5.1 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 2600 | 2600 | 2600 | 2700 | 2800 | 2700 | 100 | 4.5 |
| Kallriga, norra | PFM000064 | Surface | 37 | 340 | 1800 | 2500 | 2600 | 2800 | 2100 | 700 | 32 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 1100 | 2200 | 2500 | 2600 | 2700 | 2300 | 400 | 15 |
| Kallriga, södra | PFM000065 | Surface | 36 | 120 | 1800 | 2400 | 2600 | 2700 | 2000 | 800 | 41 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 170 | 210 | 420 | 690 | 2200 | 740 | 800 | 110 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 290 | 2100 | 2200 | 2700 | 2700 | 2000 | 1000 | 50 |
| Forsmark area | | Surface | 175 | 120 | 2300 | 2600 | 2700 | 3000 | 2300 | 700 | 28 |
| Forsmark area | | Bottom | 72 | 290 | 2500 | 2600 | 2700 | 2900 | 2500 | 400 | 15 |
| Simpevarp area | | Surface | 160 | 260 | 2600 | 3400 | 3700 | 3900 | 3100 | 800 | 25 |
| Simpevarp area | | Bottom | 157 | 1100 | 3200 | 3500 | 3700 | 4100 | 3400 | 500 | 14 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 2.8 | 3.8 | 4.4 | 5.7 | 17 | 5.0 | 2 | 47 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 1.5 | 2.2 | 2.6 | 3.2 | 17 | 3.1 | 3 | 83 |
| Norr Eckarfjärden | PFM000070 | Surface | 40 | 2.3 | 3.8 | 4.7 | 5.4 | 16 | 4.9 | 2 | 42 |
| Bolundskogen | PFM000069 | Surface | 48 | 4.2 | 20 | 27 | 37 | 59 | 29 | 10 | 44 |
| Kungsträsket | PFM000068 | Surface | 48 | 4.8 | 13 | 17 | 31 | 50 | 22 | 10 | 56 |
| Lillputtsundet | PFM000067 | Surface | 42 | 18 | 36 | 51 | 100 | 210 | 74 | 50 | 71 |
| Flottbron | PFM000072 | Surface | 39 | 17 | 29 | 42 | 65 | 120 | 51 | 30 | 59 |
| Söder Bredviken | PFM000073 | Surface | 23 | 4.4 | 6.9 | 8.3 | 9.6 | 11 | 8.1 | 2 | 21 |
| Forsmark area | | Surface | 313 | 1.5 | 4.7 | 15 | 36 | 210 | 26 | 30 | 130 |
| Simpevarp area | | Surface | 573 | 2.0 | 6.0 | 10 | 14 | 51 | 11 | 6 | 58 |
| Sweden | N.S.2000 | Surface | 725 | 0.25 | 0.85 | 2.9 | 8.9 | 220 | 7.1 | 20 | 210 |

Surface Water

| CI-37 | | | Chlorine-37 (dev. SMOC) | | | | | | | | CI-37 | |
|------------------------|-----------|---------|-------------------------|---------|----------|-----------------|---------|---------|---------|-------|-------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 4 | -0.610 | -0.0325 | 0.255 | 0.428 | 0.660 | 0.140 | 0.54 | 390 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 5 | 0.0800 | 0.0800 | 0.110 | 0.330 | 0.380 | 0.196 | 0.15 | 75 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 4 | 0.140 | 0.200 | 0.230 | 0.295 | 0.460 | 0.265 | 0.14 | 52 | |
| Eckarfjärden | PFM000117 | Surface | 3 | -0.280 | -0.215 | -0.150 | 0.0100 | 0.170 | -0.0867 | 0.23 | -270 | |
| Eckarfjärden | PFM000117 | Bottom | 1 | -0.0100 | | -0.0100 | | -0.0100 | -0.0100 | | | |
| Bolundsfjärden | PFM000107 | Surface | 6 | -0.380 | -0.0525 | 0.0850 | 0.125 | 0.180 | 0.00167 | 0.21 | 13000 | |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 0.0100 | 0.0100 | 0.0450 | 0.100 | 0.160 | 0.0650 | 0.071 | 110 | |
| Norra bassängen | PFM000097 | Surface | 4 | -0.330 | -0.135 | 0.0400 | 0.150 | 0.150 | -0.0250 | 0.23 | -910 | |
| Fiskarfjärden | PFM000127 | Surface | 2 | -0.0100 | 0.0375 | 0.0850 | 0.133 | 0.180 | 0.0850 | 0.13 | 160 | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | -0.100 | -0.0825 | -0.0650 | -0.0475 | -0.0300 | -0.0650 | 0.049 | -76 | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 0.0300 | | 0.0300 | | 0.0300 | 0.0300 | | | |
| Forsmark area | | Surface | 25 | -0.610 | -0.0700 | 0.110 | 0.170 | 0.660 | 0.0556 | 0.27 | 480 | |
| Forsmark area | | Bottom | 11 | -0.100 | | 0.0800 | 0.190 | 0.460 | 0.107 | 0.16 | 150 | |
| Simpevarp area | | Surface | 2 | -0.720 | -0.608 | -0.495 | -0.383 | -0.270 | -0.495 | 0.32 | -64 | |
| Simpevarp area | | Bottom | 3 | -0.120 | -0.0950 | -0.0700 | 0.0100 | 0.0900 | -0.0333 | 0.11 | -330 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 5 | -0.350 | -0.210 | 0.0100 | 0.0300 | 0.180 | -0.0680 | 0.21 | -310 | |
| SV Forslingens grund | PFM000062 | Bottom | 3 | -0.390 | -0.145 | 0.100 | 0.100 | 0.100 | -0.0633 | 0.28 | -450 | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 0.0500 | 0.0925 | 0.135 | 0.178 | 0.220 | 0.135 | 0.12 | 89 | |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | -0.0900 | -0.0450 | | 0.0450 | 0.0900 | | 0.13 | | |
| Tixelfjärden | PFM000063 | Surface | 4 | -0.610 | -0.190 | -0.0200 | 0.0250 | 0.0700 | -0.145 | 0.31 | -220 | |
| Tixelfjärden | PFM000063 | Bottom | 3 | -0.240 | -0.0500 | 0.140 | 0.175 | 0.210 | 0.0367 | 0.24 | 660 | |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0600 | | 0.0600 | | 0.0600 | 0.0600 | | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0500 | | 0.0500 | | 0.0500 | 0.0500 | | | |
| Kallriga, norra | PFM000064 | Surface | 4 | -0.520 | -0.183 | -0.0350 | 0.0300 | 0.120 | -0.118 | 0.28 | -240 | |
| Kallriga, norra | PFM000064 | Bottom | 3 | 0.0100 | 0.0250 | 0.0400 | 0.0750 | 0.110 | 0.0533 | 0.051 | 96 | |
| Kallriga, södra | PFM000065 | Surface | 5 | -0.390 | -0.170 | -0.0800 | -0.0100 | 0.0700 | -0.116 | 0.18 | -150 | |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.150 | | 0.150 | | 0.150 | 0.150 | | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.230 | | 0.230 | | 0.230 | 0.230 | | | |
| Forsmark area | | Surface | 22 | -0.610 | -0.148 | 0.00500 | 0.0675 | 0.220 | -0.0677 | 0.22 | -330 | |
| Forsmark area | | Bottom | 13 | -0.390 | 0.0100 | 0.0900 | 0.110 | 0.230 | 0.0277 | 0.18 | 630 | |
| Simpevarp area | | Surface | 10 | -0.0900 | -0.00750 | 0.105 | 0.205 | 0.360 | 0.104 | 0.15 | 140 | |
| Simpevarp area | | Bottom | 10 | -0.0400 | -0.0200 | 0.0800 | 0.183 | 0.290 | 0.0990 | 0.13 | 130 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 3 | 0.160 | 0.315 | 0.470 | 0.660 | 0.850 | 0.493 | 0.35 | 70 | |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 0.290 | 0.703 | 1.12 | 1.53 | 1.94 | 1.12 | 1.2 | 100 | |
| Norr Eckarfjärden | PFM000070 | Surface | 2 | 0.350 | 0.390 | 0.430 | 0.470 | 0.510 | 0.430 | 0.11 | 26 | |
| Bolundskogen | PFM000069 | Surface | 4 | -0.0300 | 0.0600 | 0.0900 | 0.100 | 0.130 | 0.0700 | 0.069 | 99 | |
| Kungsträsket | PFM000068 | Surface | 5 | -0.530 | -0.0500 | 0.0800 | 0.120 | 0.160 | -0.0440 | 0.28 | -640 | |
| Lillputtsundet | PFM000067 | Surface | 4 | -0.450 | -0.143 | -0.00500 | 0.0525 | 0.120 | -0.0850 | 0.25 | -300 | |
| Flottbron | PFM000072 | Surface | 4 | -0.0900 | 0.180 | 0.290 | 0.355 | 0.490 | 0.245 | 0.24 | 99 | |
| Söder Bredviken | PFM000073 | Surface | 2 | -0.560 | -0.405 | -0.250 | -0.0950 | 0.0600 | -0.250 | 0.44 | -180 | |
| Forsmark area | | Surface | 26 | -0.560 | -0.0150 | 0.120 | 0.305 | 1.94 | 0.183 | 0.48 | 260 | |
| Simpevarp area | | Surface | 30 | -1.01 | -0.138 | -0.0200 | 0.140 | 0.770 | -0.0520 | 0.38 | -730 | |

Surface Water

| Cr | | | Chromium (µg/l) | | | | | | | | Cr |
|------------------------|-----------|---------|-----------------|-------|-------|----------------|------|-------|-------|------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | 0.076 | 0.12 | 0.13 | 0.15 | 0.18 | 0.13 | 0.03 | 22 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.061 | 0.11 | 0.11 | 0.15 | 0.17 | 0.12 | 0.04 | 31 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 4 | 0.11 | 0.15 | 0.19 | 0.76 | 2.4 | 0.72 | 1 | 150 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.060 | 0.079 | 0.088 | 0.14 | 0.15 | 0.099 | 0.03 | 34 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.071 | 0.075 | 0.10 | 0.14 | 0.18 | 0.11 | 0.05 | 45 |
| Bolundsfjärden | PFM000107 | Surface | 10 | 0.087 | 0.12 | 0.14 | 0.17 | 0.24 | 0.15 | 0.04 | 29 |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 0.11 | 0.13 | 0.15 | 0.18 | 0.21 | 0.16 | 0.04 | 28 |
| Norra bassängen | PFM000097 | Surface | 7 | 0.11 | 0.12 | 0.16 | 0.22 | 34 | 5.0 | 10 | 260 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.085 | | 0.085 | | 0.085 | 0.085 | | |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 0.093 | 0.095 | 0.096 | 1.1 | 2.1 | 0.75 | 1 | 150 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.090 | 0.097 | 0.11 | 0.14 | 0.22 | 0.13 | 0.05 | 39 |
| Forsmark area | | Surface | 49 | 0.060 | 0.10 | 0.13 | 0.16 | 34 | 0.83 | 5 | 590 |
| Forsmark area | | Bottom | 15 | 0.071 | 0.10 | 0.13 | 0.20 | 2.4 | 0.41 | 0.7 | 180 |
| Simpevarp area | | Surface | 1 | 0.61 | | 0.61 | | 0.61 | 0.61 | | |
| Simpevarp area | | Bottom | 1 | 0.62 | | 0.62 | | 0.62 | 0.62 | | |
| Sweden | N.S.2000 | Surface | 1206 | 0.030 | 0.19 | 0.29 | 0.48 | 620 | 0.97 | 20 | 1900 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | <0.1 | <0.1 | 0.12 | 0.17 | 0.58 | 0.17 | 0.2 | 93 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 0.11 | 0.14 | 0.17 | 0.37 | 0.58 | 0.29 | 0.3 | 88 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.14 | | 0.14 | | 0.14 | 0.14 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.16 | | 0.16 | | 0.16 | 0.16 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <0.1 | 0.10 | 0.14 | 0.16 | 0.28 | 0.13 | 0.07 | 50 |
| Tixelfjärden | PFM000063 | Bottom | 5 | <0.1 | <0.1 | 0.10 | 0.16 | 0.17 | 0.12 | 0.04 | 32 |
| Kallriga, norra | PFM000064 | Surface | 8 | <0.1 | <0.1 | 0.14 | 0.33 | 0.53 | 0.21 | 0.2 | 85 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 0.11 | 0.15 | 0.18 | 0.27 | 0.48 | 0.24 | 0.2 | 70 |
| Kallriga, södra | PFM000065 | Surface | 9 | 0.069 | 0.16 | 0.29 | 0.56 | 1.8 | 0.49 | 0.6 | 120 |
| Forsmark area | | Surface | 38 | <0.1 | <0.1 | 0.14 | 0.29 | 1.8 | 0.24 | 0.3 | 130 |
| Forsmark area | | Bottom | 13 | <0.1 | 0.11 | 0.16 | 0.17 | 0.58 | 0.20 | 0.2 | 76 |
| Simpevarp area | | Surface | 4 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | |
| Simpevarp area | | Bottom | 4 | <0.1 | <0.1 | <0.1 | 0.50 | 1.7 | 0.47 | 0.8 | 170 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 8 | 0.098 | 0.11 | 0.13 | 0.14 | 0.18 | 0.13 | 0.03 | 22 |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 0.11 | 0.13 | 0.15 | 0.17 | 0.20 | 0.15 | 0.06 | 42 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | 0.076 | 0.080 | 0.10 | 0.13 | 0.15 | 0.11 | 0.03 | 27 |
| Bolundskogen | PFM000069 | Surface | 4 | 0.14 | 0.16 | 0.16 | 0.18 | 0.21 | 0.17 | 0.03 | 17 |
| Kungsträsket | PFM000068 | Surface | 9 | 0.13 | 0.15 | 0.18 | 0.20 | 0.23 | 0.18 | 0.03 | 18 |
| Lillputtsundet | PFM000067 | Surface | 8 | 0.092 | 0.099 | 0.11 | 0.21 | 0.23 | 0.15 | 0.06 | 41 |
| Flottbron | PFM000072 | Surface | 6 | 0.12 | 0.13 | 0.17 | 0.21 | 0.26 | 0.18 | 0.06 | 32 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.059 | 0.073 | 0.087 | 0.11 | 0.14 | 0.096 | 0.04 | 44 |
| Forsmark area | | Surface | 48 | 0.059 | 0.11 | 0.14 | 0.19 | 0.26 | 0.15 | 0.05 | 33 |
| Simpevarp area | | Surface | 10 | 0.33 | 0.81 | 1.2 | 1.4 | 3.6 | 1.3 | 0.9 | 71 |

Surface Water

| Co | | | Cobalt (µg/l) | | | | | | | | Co |
|------------------------|-----------|---------|---------------|--------|-------|-----------------|-------|-------|-------|-------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | 0.019 | 0.034 | 0.042 | 0.050 | 0.077 | 0.044 | 0.02 | 37 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.023 | 0.032 | 0.043 | 0.061 | 0.16 | 0.059 | 0.05 | 81 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 4 | 0.051 | 0.11 | 0.14 | 0.17 | 0.17 | 0.13 | 0.06 | 43 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.026 | 0.034 | 0.035 | 0.039 | 0.045 | 0.036 | 0.005 | 15 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.040 | 0.044 | 0.046 | 0.048 | 0.051 | 0.046 | 0.004 | 9.7 |
| Bolundsfjärden | PFM000107 | Surface | 10 | 0.049 | 0.054 | 0.072 | 0.080 | 0.096 | 0.070 | 0.02 | 24 |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 0.069 | 0.080 | 0.084 | 0.085 | 0.087 | 0.081 | 0.008 | 10.0 |
| Norra bassängen | PFM000097 | Surface | 7 | 0.044 | 0.054 | 0.075 | 0.088 | 0.13 | 0.075 | 0.03 | 38 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.081 | | 0.081 | | 0.081 | 0.081 | | |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 0.076 | 0.085 | 0.094 | 0.12 | 0.15 | 0.11 | 0.04 | 34 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.055 | 0.057 | 0.067 | 0.11 | 0.16 | 0.090 | 0.05 | 51 |
| Forsmark area | | Surface | 49 | 0.019 | 0.039 | 0.051 | 0.075 | 0.16 | 0.060 | 0.03 | 53 |
| Forsmark area | | Bottom | 15 | 0.040 | 0.051 | 0.084 | 0.11 | 0.17 | 0.089 | 0.04 | 49 |
| Simpevarp area | | Surface | 1 | 0.046 | | 0.046 | | 0.046 | 0.046 | | |
| Simpevarp area | | Bottom | 1 | 0.048 | | 0.048 | | 0.048 | 0.048 | | |
| Sweden | N.S.2000 | Surface | 1206 | 0.0050 | 0.032 | 0.068 | 0.15 | 250 | 0.45 | 8 | 1800 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.006 | 30 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | 0.050 | <0.05 | 0.01 | 41 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <0.05 | <0.05 | <0.05 | <0.05 | 0.11 | <0.05 | 0.03 | 79 |
| Tixelfjärden | PFM000063 | Bottom | 5 | <0.05 | <0.05 | <0.05 | <0.05 | 0.075 | <0.05 | 0.03 | 92 |
| Kallriga, norra | PFM000064 | Surface | 8 | <0.05 | 0.093 | 0.14 | 0.28 | 0.30 | 0.17 | 0.1 | 66 |
| Kallriga, norra | PFM000064 | Bottom | 4 | <0.05 | 0.071 | 0.10 | 0.15 | 0.22 | 0.12 | 0.08 | 64 |
| Kallriga, södra | PFM000065 | Surface | 9 | <0.05 | 0.054 | 0.11 | 0.31 | 0.76 | 0.21 | 0.2 | 120 |
| Forsmark area | | Surface | 38 | <0.05 | <0.05 | <0.05 | 0.11 | 0.76 | 0.100 | 0.1 | 150 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | 0.075 | 0.22 | 0.057 | 0.06 | 110 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | 0.074 | <0.05 | 0.02 | 66 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 8 | 0.041 | 0.051 | 0.063 | 0.074 | 0.21 | 0.079 | 0.06 | 70 |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 0.066 | 0.084 | 0.10 | 0.12 | 0.14 | 0.10 | 0.05 | 50 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | 0.038 | 0.047 | 0.050 | 0.096 | 0.28 | 0.088 | 0.08 | 91 |
| Bolundskogen | PFM000069 | Surface | 4 | 0.073 | 0.078 | 0.082 | 0.091 | 0.11 | 0.087 | 0.02 | 19 |
| Kungsträsket | PFM000068 | Surface | 9 | 0.049 | 0.070 | 0.078 | 0.086 | 0.13 | 0.081 | 0.02 | 29 |
| Lillputtsundet | PFM000067 | Surface | 8 | 0.047 | 0.056 | 0.073 | 0.091 | 0.14 | 0.077 | 0.03 | 39 |
| Flottbron | PFM000072 | Surface | 6 | 0.057 | 0.076 | 0.14 | 0.22 | 0.29 | 0.15 | 0.10 | 62 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.065 | 0.087 | 0.11 | 0.22 | 0.33 | 0.17 | 0.1 | 84 |
| Forsmark area | | Surface | 48 | 0.038 | 0.058 | 0.076 | 0.10 | 0.33 | 0.097 | 0.07 | 68 |
| Simpevarp area | | Surface | 10 | 0.14 | 0.34 | 0.61 | 1.0 | 2.1 | 0.84 | 0.7 | 85 |

Surface Water

| Cu | | | Copper (µg/l) | | | | | | | | Cu |
|------------------------|-----------|---------|---------------|------|------|-------------|------|------|------|------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | 0.21 | 0.31 | 0.62 | 1.2 | 1.5 | 0.74 | 0.5 | 66 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.13 | 0.21 | 0.46 | 0.87 | 1.4 | 0.58 | 0.5 | 78 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.33 | 0.42 | 0.51 | 0.97 | 1.4 | 0.75 | 0.6 | 78 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.42 | 0.45 | 0.56 | 0.67 | 0.87 | 0.60 | 0.2 | 29 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.43 | 0.52 | 0.55 | 0.65 | 0.92 | 0.61 | 0.2 | 34 |
| Bolundsfjärden | PFM000107 | Surface | 8 | 0.48 | 0.68 | 0.77 | 0.91 | 1.2 | 0.81 | 0.2 | 31 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.63 | 0.66 | 0.68 | 0.94 | 1.2 | 0.84 | 0.3 | 38 |
| Norra bassängen | PFM000097 | Surface | 5 | 0.58 | 0.63 | 0.64 | 0.74 | 1.0 | 0.72 | 0.2 | 24 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.50 | | 0.50 | | 0.50 | 0.50 | | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | 0.52 | 0.54 | 0.56 | 0.57 | 0.59 | 0.56 | 0.05 | 9.3 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.23 | 0.37 | 0.48 | 0.54 | 0.71 | 0.47 | 0.2 | 38 |
| Forsmark area | | Surface | 45 | 0.13 | 0.45 | 0.58 | 0.86 | 1.5 | 0.66 | 0.3 | 50 |
| Forsmark area | | Bottom | 12 | 0.33 | 0.52 | 0.58 | 0.74 | 1.4 | 0.70 | 0.3 | 47 |
| Simpevarp area | | Surface | 1 | 2.0 | | 2.0 | | 2.0 | 2.0 | | |
| Simpevarp area | | Bottom | 1 | 2.0 | | 2.0 | | 2.0 | 2.0 | | |
| Sweden | N.S.2000 | Surface | 1206 | 0.10 | 0.30 | 0.50 | 0.80 | 2900 | 3.6 | 90 | 2400 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | <1 | <1 | <1 | <1 | 25 | 2.9 | 7 | 250 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | <1 | <1 | <1 | 1.2 | 1.4 | 1.1 | 0.3 | 26 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 1.4 | | 1.4 | | 1.4 | 1.4 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 1.4 | | 1.4 | | 1.4 | 1.4 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <1 | <1 | <1 | <1 | 1.4 | <1 | 0.3 | 49 |
| Tixelfjärden | PFM000063 | Bottom | 5 | <1 | <1 | <1 | 1.4 | 2.9 | 1.2 | 1.0 | 83 |
| Kallriga, norra | PFM000064 | Surface | 8 | <1 | <1 | 1.1 | 1.3 | 3.0 | 1.3 | 0.8 | 61 |
| Kallriga, norra | PFM000064 | Bottom | 4 | <1 | <1 | <1 | <1 | 1.3 | <1 | 0.3 | 42 |
| Kallriga, södra | PFM000065 | Surface | 9 | <1 | <1 | 1.3 | 1.8 | 3.5 | 1.5 | 1 | 70 |
| Forsmark area | | Surface | 38 | <1 | <1 | <1 | 1.3 | 25 | 1.6 | 4 | 240 |
| Forsmark area | | Bottom | 13 | <1 | <1 | <1 | 1.4 | 2.9 | 1.1 | 0.6 | 60 |
| Simpevarp area | | Surface | 4 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| Simpevarp area | | Bottom | 4 | <1 | <1 | <1 | <1 | 1.2 | <1 | 0.4 | 52 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.45 | 0.74 | 0.94 | 1.2 | 1.3 | 0.94 | 0.3 | 34 |
| Söder Eckarfjärden | PFM000071 | Surface | 1 | 2.9 | | 2.9 | | 2.9 | 2.9 | | |
| Norr Eckarfjärden | PFM000070 | Surface | 7 | 0.36 | 0.47 | 0.55 | 0.77 | 1.1 | 0.65 | 0.3 | 41 |
| Bolundskogen | PFM000069 | Surface | 3 | 0.33 | 0.42 | 0.51 | 0.98 | 1.4 | 0.76 | 0.6 | 78 |
| Kungsträsket | PFM000068 | Surface | 8 | 0.48 | 0.49 | 0.86 | 1.1 | 1.5 | 0.86 | 0.4 | 44 |
| Lillputtsundet | PFM000067 | Surface | 7 | 0.59 | 0.62 | 0.69 | 0.80 | 1.3 | 0.77 | 0.2 | 31 |
| Flottbron | PFM000072 | Surface | 6 | 0.29 | 0.34 | 0.39 | 0.42 | 0.69 | 0.42 | 0.1 | 34 |
| Söder Bredviken | PFM000073 | Surface | 3 | 1.6 | 1.7 | 1.7 | 2.5 | 3.3 | 2.2 | 0.9 | 42 |
| Forsmark area | | Surface | 42 | 0.29 | 0.49 | 0.71 | 1.1 | 3.3 | 0.90 | 0.6 | 70 |
| Simpevarp area | | Surface | 10 | 0.72 | 1.5 | 2.8 | 4.1 | 6.4 | 3.0 | 2 | 62 |

Surface Water

| D | | | Deuterium (dev. SMOW) | | | | | | | | D |
|------------------------|-----------|---------|-----------------------|-------|-------|--------------|-------|-------|-------|------|-------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | -90.1 | -81.9 | -75.9 | -69.9 | -61.2 | -75.9 | 8.8 | -12 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 8 | -90.4 | -80.3 | -75.4 | -67.5 | -62.6 | -75.4 | 10 | -14 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 7 | -90.0 | -81.6 | -78.2 | -66.0 | -63.5 | -75.3 | 10 | -14 |
| Eckarfjärden | PFM000117 | Surface | 8 | -77.3 | -72.0 | -64.9 | -60.6 | -53.1 | -65.5 | 8.1 | -12 |
| Eckarfjärden | PFM000117 | Bottom | 4 | -77.5 | -73.7 | -67.1 | -60.8 | -57.8 | -67.4 | 9.1 | -14 |
| Bolundsfjärden | PFM000107 | Surface | 9 | -82.9 | -77.4 | -63.5 | -55.8 | -49.4 | -66.4 | 13 | -19 |
| Bolundsfjärden | PFM000107 | Bottom | 5 | -82.8 | -76.7 | -66.9 | -64.3 | -54.8 | -69.1 | 11 | -16 |
| Norra bassängen | PFM000097 | Surface | 8 | -84.8 | -77.5 | -68.7 | -59.7 | -53.4 | -69.1 | 12 | -18 |
| Fiskarfjärden | PFM000127 | Surface | 3 | -63.2 | -54.5 | -45.8 | -45.1 | -44.3 | -51.1 | 11 | -21 |
| Fiskarfjärden | PFM000127 | Bottom | 3 | -62.4 | -54.4 | -46.3 | -46.3 | -46.2 | -51.6 | 9.3 | -18 |
| Fiskarfjärden | PFM000135 | Surface | 3 | -77.0 | -69.5 | -61.9 | -59.9 | -57.9 | -65.6 | 10 | -15 |
| Forsmark area | | Surface | 50 | -90.4 | -77.4 | -70.1 | -61.6 | -44.3 | -69.5 | 12 | -17 |
| Forsmark area | | Bottom | 19 | -90.0 | -77.9 | -66.9 | -62.1 | -46.2 | -68.2 | 12 | -18 |
| Simpevarp area | | Surface | 10 | -72.7 | -69.0 | -65.0 | -63.0 | -54.4 | -65.4 | 5.4 | -8.2 |
| Simpevarp area | | Bottom | 10 | -72.3 | -68.7 | -65.1 | -63.5 | -55.7 | -65.3 | 4.7 | -7.2 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | -66.4 | -65.7 | -63.9 | -62.2 | -43.0 | -61.6 | 7.7 | -13 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | -67.8 | -65.1 | -62.4 | -61.9 | -61.3 | -63.8 | 3.5 | -5.5 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | -64.5 | -64.4 | -64.3 | -64.2 | -64.1 | -64.3 | 0.28 | -0.44 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | -65.1 | -64.9 | -64.6 | -64.4 | -64.1 | -64.6 | 0.71 | -1.1 |
| Tixelfjärden | PFM000063 | Surface | 8 | -65.8 | -65.4 | -63.5 | -61.6 | -60.9 | -63.5 | 2.2 | -3.4 |
| Tixelfjärden | PFM000063 | Bottom | 5 | -65.8 | -65.7 | -65.1 | -62.6 | -61.8 | -64.2 | 1.9 | -2.9 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | -65.1 | | -65.1 | | -65.1 | -65.1 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | -64.8 | | -64.8 | | -64.8 | -64.8 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | -85.0 | -69.6 | -63.7 | -61.4 | -60.2 | -67.3 | 9.0 | -13 |
| Kallriga, norra | PFM000064 | Bottom | 4 | -67.5 | -65.0 | -62.3 | -60.3 | -60.1 | -63.0 | 3.5 | -5.5 |
| Kallriga, södra | PFM000065 | Surface | 9 | -82.9 | -76.1 | -67.5 | -61.4 | -60.7 | -69.7 | 8.1 | -12 |
| Alt. Kallriga | PFM000084 | Surface | 1 | -83.5 | | -83.5 | | -83.5 | -83.5 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | -82.4 | | -82.4 | | -82.4 | -82.4 | | |
| Forsmark area | | Surface | 37 | -85.0 | -66.4 | -64.5 | -61.6 | -43.0 | -65.9 | 7.7 | -12 |
| Forsmark area | | Bottom | 17 | -82.4 | -65.7 | -64.4 | -62.4 | -60.1 | -65.0 | 5.0 | -7.7 |
| Simpevarp area | | Surface | 28 | -71.3 | -62.6 | -57.1 | -56.1 | -53.9 | -59.6 | 4.9 | -8.2 |
| Simpevarp area | | Bottom | 28 | -68.2 | -59.2 | -56.9 | -55.5 | -53.9 | -57.5 | 3.1 | -5.4 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 9 | -90.0 | -86.7 | -77.8 | -75.2 | -63.2 | -78.5 | 9.2 | -12 |
| Söder Eckarfjärden | PFM000071 | Surface | 4 | -93.4 | -88.0 | -86.2 | -84.3 | -78.5 | -86.1 | 6.1 | -7.1 |
| Norr Eckarfjärden | PFM000070 | Surface | 9 | -76.8 | -71.5 | -67.4 | -62.6 | -58.5 | -67.1 | 6.5 | -9.7 |
| Bolundskogen | PFM000069 | Surface | 7 | -91.4 | -86.5 | -78.6 | -72.5 | -68.3 | -79.4 | 8.8 | -11 |
| Kungsträsket | PFM000068 | Surface | 10 | -86.2 | -80.7 | -77.4 | -73.5 | -67.9 | -76.9 | 6.1 | -7.9 |
| Lillputtsundet | PFM000067 | Surface | 10 | -82.9 | -72.5 | -63.2 | -55.9 | -50.1 | -65.0 | 11 | -18 |
| Flottbron | PFM000072 | Surface | 9 | -78.7 | -70.2 | -68.4 | -63.0 | -51.5 | -66.5 | 7.5 | -11 |
| Söder Bredviken | PFM000073 | Surface | 3 | -89.2 | -88.8 | -88.3 | -87.8 | -87.3 | -88.3 | 0.95 | -1.1 |
| Forsmark area | | Surface | 61 | -93.4 | -80.8 | -73.7 | -67.4 | -50.1 | -73.7 | 11 | -15 |
| Simpevarp area | | Surface | 82 | -85.0 | -79.3 | -76.7 | -74.3 | -67.7 | -76.8 | 3.7 | -4.8 |

Surface Water

| Dy | | | Dysprosium (µg/l) | | | | | | | | Dy |
|------------------------|-----------|---------|-------------------|--------|--------|------------------|--------|--------|--------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | 0.0090 | 0.013 | 0.018 | 0.018 | 0.033 | 0.017 | 0.008 | 44 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 6 | 0.0050 | 0.011 | 0.016 | 0.019 | 0.033 | 0.016 | 0.010 | 59 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 2 | 0.022 | 0.028 | 0.034 | 0.040 | 0.045 | 0.034 | 0.02 | 49 |
| Eckarfjärden | PFM000117 | Surface | 6 | <0.005 | <0.005 | 0.0084 | 0.018 | 0.025 | 0.011 | 0.009 | 85 |
| Eckarfjärden | PFM000117 | Bottom | 2 | 0.0095 | 0.015 | 0.021 | 0.027 | 0.033 | 0.021 | 0.02 | 78 |
| Bolundsfjärden | PFM000107 | Surface | 6 | 0.010 | 0.014 | 0.016 | 0.022 | 0.052 | 0.022 | 0.02 | 70 |
| Bolundsfjärden | PFM000107 | Bottom | 2 | 0.025 | 0.030 | 0.036 | 0.041 | 0.047 | 0.036 | 0.02 | 44 |
| Norra bassängen | PFM000097 | Surface | 5 | 0.0076 | 0.013 | 0.023 | 0.026 | 0.054 | 0.025 | 0.02 | 73 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.0070 | 0.0093 | 0.010 | 0.013 | 0.023 | 0.012 | 0.007 | 55 |
| Forsmark area | | Surface | 34 | <0.005 | 0.010 | 0.015 | 0.022 | 0.054 | 0.017 | 0.01 | 68 |
| Forsmark area | | Bottom | 7 | <0.005 | 0.016 | 0.025 | 0.039 | 0.047 | 0.026 | 0.02 | 64 |
| Simpevarp area | | Surface | 1 | 0.014 | | 0.014 | | 0.014 | 0.014 | | |
| Simpevarp area | | Bottom | 1 | 0.014 | | 0.014 | | 0.014 | 0.014 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 58 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.010 | 77 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | 0.050 | 0.13 | <0.05 | 0.05 | 120 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.056 | 0.26 | 0.057 | 0.09 | 160 |
| Forsmark area | | Surface | 31 | <0.05 | <0.05 | <0.05 | <0.05 | 0.26 | <0.05 | 0.05 | 170 |
| Forsmark area | | Bottom | 10 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 100 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 6 | 0.014 | 0.015 | 0.020 | 0.025 | 0.029 | 0.021 | 0.006 | 31 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.012 | 0.013 | 0.018 | 0.025 | 0.035 | 0.020 | 0.009 | 45 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.026 | | 0.026 | | 0.026 | 0.026 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.027 | 0.031 | 0.043 | 0.045 | 0.047 | 0.039 | 0.009 | 24 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.0080 | 0.011 | 0.014 | 0.023 | 0.051 | 0.021 | 0.02 | 82 |
| Flottbron | PFM000072 | Surface | 5 | 0.0060 | 0.0066 | 0.0080 | 0.013 | 0.026 | 0.012 | 0.008 | 70 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.0056 | 0.0063 | 0.0070 | 0.0096 | 0.012 | 0.0083 | 0.003 | 42 |
| Forsmark area | | Surface | 32 | 0.0056 | 0.012 | 0.020 | 0.027 | 0.051 | 0.022 | 0.01 | 61 |
| Simpevarp area | | Surface | 10 | 0.027 | 0.034 | 0.041 | 0.059 | 0.085 | 0.048 | 0.02 | 38 |

Surface Water

| Er | | | Erbium (µg/l) | | | | | | | | Er |
|------------------------|-----------|---------|---------------|--------|--------|------------------|--------|--------|--------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | 0.0070 | 0.0098 | 0.012 | 0.013 | 0.023 | 0.013 | 0.005 | 40 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | 0.0096 | 0.014 | 0.019 | 0.024 | 0.014 | 0.007 | 53 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.019 | 0.019 | 0.020 | 0.028 | 0.037 | 0.025 | 0.01 | 40 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | 0.0080 | 0.016 | 0.023 | 0.010 | 0.008 | 83 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.0073 | 0.015 | 0.022 | 0.022 | 0.023 | 0.017 | 0.009 | 50 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.0072 | 0.010 | 0.013 | 0.021 | 0.036 | 0.017 | 0.01 | 60 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.017 | 0.021 | 0.025 | 0.029 | 0.033 | 0.025 | 0.008 | 32 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.005 | 0.010 | 0.017 | 0.023 | 0.038 | 0.018 | 0.01 | 70 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.005 | 0.0066 | 0.0085 | 0.011 | 0.018 | 0.0094 | 0.006 | 69 |
| Forsmark area | | Surface | 39 | <0.005 | 0.0080 | 0.013 | 0.018 | 0.038 | 0.014 | 0.009 | 62 |
| Forsmark area | | Bottom | 10 | <0.005 | 0.018 | 0.021 | 0.025 | 0.037 | 0.021 | 0.01 | 51 |
| Simpevarp area | | Surface | 1 | 0.0091 | | 0.0091 | | 0.0091 | 0.0091 | | |
| Simpevarp area | | Bottom | 1 | 0.0096 | | 0.0096 | | 0.0096 | 0.0096 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 69 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.002 | 23 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.001 | 17 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 79 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0073 | | 0.0073 | | 0.0073 | 0.0073 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | 0.076 | <0.05 | 0.03 | 120 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 130 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | 0.14 | <0.05 | 0.05 | 140 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.070 | | 0.070 | | 0.070 | 0.070 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.074 | | 0.074 | | 0.074 | 0.074 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | 0.14 | <0.05 | 0.03 | 130 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | 0.074 | <0.05 | 0.02 | 150 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.0097 | 0.013 | 0.014 | 0.019 | 0.021 | 0.016 | 0.004 | 27 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.0090 | 0.010 | 0.014 | 0.019 | 0.024 | 0.015 | 0.006 | 39 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.020 | | 0.020 | | 0.020 | 0.020 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.018 | 0.022 | 0.027 | 0.032 | 0.033 | 0.026 | 0.006 | 23 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.0050 | 0.0072 | 0.0094 | 0.016 | 0.034 | 0.014 | 0.01 | 81 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | 0.0052 | 0.0057 | 0.0091 | 0.016 | 0.0077 | 0.005 | 68 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.005 | <0.005 | 0.0051 | 0.0066 | 0.0080 | 0.0052 | 0.003 | 53 |
| Forsmark area | | Surface | 33 | <0.005 | 0.0090 | 0.014 | 0.020 | 0.034 | 0.015 | 0.009 | 58 |
| Simpevarp area | | Surface | 10 | 0.018 | 0.022 | 0.027 | 0.039 | 0.056 | 0.031 | 0.01 | 38 |

Surface Water

| Eu | | | Europium (µg/l) | | | | | | | | Eu |
|------------------------|-----------|---------|-----------------|--------|--------|------------------|--------|--------|--------|---------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.010 | <0.005 | 0.003 | 74 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0004 | 17 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0055 | <0.005 | 0.002 | 41 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0007 | 24 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.001 | 35 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.005 | <0.005 | <0.005 | 0.0058 | 0.0077 | <0.005 | 0.002 | 51 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.005 | <0.005 | <0.005 | 0.0054 | 0.0063 | <0.005 | 0.002 | 43 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0069 | <0.005 | 0.002 | 49 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| Forsmark area | | Surface | 39 | <0.005 | <0.005 | <0.005 | <0.005 | 0.010 | <0.005 | 0.002 | 52 |
| Forsmark area | | Bottom | 10 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0063 | <0.005 | 0.001 | 39 |
| Simpevarp area | | Surface | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Simpevarp area | | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 69 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.006 | 110 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.006 | 98 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 88 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0022 | | 0.0022 | | 0.0022 | 0.0022 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | <0.001 | | <0.001 | | <0.001 | <0.001 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 79 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 130 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | 0.059 | <0.05 | 0.02 | 120 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.021 | | 0.021 | | 0.021 | 0.021 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.021 | | 0.021 | | 0.021 | 0.021 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | 0.059 | <0.05 | 0.01 | 94 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 110 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0080 | <0.005 | 0.002 | 48 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0080 | <0.005 | 0.002 | 65 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.005 | <0.005 | 0.0065 | 0.0075 | 0.012 | 0.0063 | 0.004 | 57 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0073 | <0.005 | 0.002 | 59 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.00009 | 3.6 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0055 | <0.005 | 0.002 | 49 |
| Forsmark area | | Surface | 33 | <0.005 | <0.005 | <0.005 | 0.0055 | 0.012 | <0.005 | 0.003 | 62 |
| Simpevarp area | | Surface | 10 | 0.0061 | 0.0075 | 0.011 | 0.014 | 0.021 | 0.011 | 0.005 | 41 |

Surface Water

| F | | | Fluoride (mg/l) | | | | | | | | F |
|------------------------|-----------|---------|-----------------|-------|-------|----------------|------|------|------|------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 41 | <0.2 | <0.2 | 0.23 | 0.27 | 0.72 | 0.25 | 0.1 | 56 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 36 | <0.2 | 0.26 | 0.30 | 0.34 | 0.64 | 0.31 | 0.1 | 38 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 18 | <0.2 | 0.30 | 0.35 | 0.44 | 0.60 | 0.36 | 0.1 | 39 |
| Eckarfjärden | PFM000117 | Surface | 41 | <0.2 | <0.2 | 0.20 | 0.26 | 0.58 | <0.2 | 0.1 | 61 |
| Eckarfjärden | PFM000117 | Bottom | 17 | <0.2 | <0.2 | 0.21 | 0.35 | 0.66 | 0.25 | 0.1 | 56 |
| Bolundsfjärden | PFM000107 | Surface | 42 | <0.2 | 0.20 | 0.25 | 0.29 | 0.40 | 0.24 | 0.08 | 33 |
| Bolundsfjärden | PFM000107 | Bottom | 17 | <0.2 | 0.23 | 0.28 | 0.36 | 0.43 | 0.28 | 0.1 | 38 |
| Norra bassängen | PFM000097 | Surface | 33 | <0.2 | 0.23 | 0.25 | 0.29 | 3.1 | 0.39 | 0.6 | 140 |
| Fiskarfjärden | PFM000127 | Surface | 13 | <0.2 | <0.2 | 0.23 | 0.41 | 0.63 | 0.29 | 0.2 | 63 |
| Fiskarfjärden | PFM000127 | Bottom | 8 | <0.2 | 0.27 | 0.35 | 0.37 | 0.50 | 0.32 | 0.1 | 37 |
| Fiskarfjärden | PFM000135 | Surface | 16 | <0.2 | <0.2 | 0.21 | 0.24 | 0.29 | <0.2 | 0.07 | 35 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | <0.2 | | <0.2 | | <0.2 | <0.2 | | |
| Forsmark area | | Surface | 223 | <0.2 | <0.2 | 0.24 | 0.29 | 3.1 | 0.27 | 0.3 | 94 |
| Forsmark area | | Bottom | 61 | <0.2 | 0.21 | 0.30 | 0.36 | 0.66 | 0.30 | 0.1 | 45 |
| Simpevarp area | | Surface | 110 | <0.2 | 0.48 | 0.63 | 0.79 | 1.5 | 0.69 | 0.3 | 44 |
| Simpevarp area | | Bottom | 110 | <0.2 | 0.46 | 0.58 | 0.84 | 1.4 | 0.69 | 0.3 | 45 |
| Sweden | N.S.2000 | Surface | 3464 | 0.020 | 0.040 | 0.090 | 0.15 | 1.2 | 0.11 | 0.1 | 93 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 36 | <0.2 | <0.2 | <0.2 | <0.2 | 0.58 | <0.2 | 0.1 | 79 |
| SV Forslingens grund | PFM000062 | Bottom | 10 | <0.2 | <0.2 | 0.29 | 0.35 | 0.52 | 0.28 | 0.1 | 49 |
| Alt. SV Forslingen | PFM000082 | Surface | 7 | <0.2 | <0.2 | <0.2 | <0.2 | 0.45 | <0.2 | 0.1 | 80 |
| Alt. SV Forslingen | PFM000082 | Bottom | 7 | <0.2 | <0.2 | <0.2 | 0.33 | 0.47 | 0.22 | 0.2 | 78 |
| Tixelfjärden | PFM000063 | Surface | 36 | <0.2 | <0.2 | <0.2 | 0.26 | 0.59 | <0.2 | 0.1 | 75 |
| Tixelfjärden | PFM000063 | Bottom | 17 | <0.2 | <0.2 | 0.21 | 0.46 | 1.0 | 0.31 | 0.3 | 84 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | <0.2 | | <0.2 | | <0.2 | <0.2 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | <0.2 | | <0.2 | | <0.2 | <0.2 | | |
| Kallriga, norra | PFM000064 | Surface | 31 | <0.2 | <0.2 | <0.2 | <0.2 | 0.91 | <0.2 | 0.2 | 95 |
| Kallriga, norra | PFM000064 | Bottom | 16 | <0.2 | <0.2 | 0.22 | 0.27 | 0.58 | 0.23 | 0.1 | 66 |
| Kallriga, södra | PFM000065 | Surface | 33 | <0.2 | <0.2 | <0.2 | 0.23 | 0.91 | <0.2 | 0.2 | 88 |
| Alt. Kallriga | PFM000084 | Surface | 3 | <0.2 | <0.2 | <0.2 | 0.38 | 0.60 | 0.28 | 0.3 | 97 |
| Alt. Kallriga | PFM000084 | Bottom | 3 | <0.2 | <0.2 | <0.2 | 0.29 | 0.47 | <0.2 | 0.2 | 130 |
| Forsmark area | | Surface | 148 | <0.2 | <0.2 | <0.2 | 0.21 | 0.91 | <0.2 | 0.1 | 84 |
| Forsmark area | | Bottom | 55 | <0.2 | <0.2 | 0.21 | 0.34 | 1.0 | 0.25 | 0.2 | 76 |
| Simpevarp area | | Surface | 159 | <0.2 | <0.2 | <0.2 | <0.2 | 1.0 | <0.2 | 0.2 | 100 |
| Simpevarp area | | Bottom | 156 | <0.2 | <0.2 | <0.2 | <0.2 | 1.2 | <0.2 | 0.1 | 99 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 34 | <0.2 | <0.2 | 0.21 | 0.24 | 0.60 | 0.20 | 0.1 | 55 |
| Söder Eckarfjärden | PFM000071 | Surface | 28 | <0.2 | <0.2 | 0.24 | 0.27 | 0.39 | 0.22 | 0.08 | 36 |
| Norr Eckarfjärden | PFM000070 | Surface | 35 | <0.2 | <0.2 | <0.2 | 0.23 | 0.54 | <0.2 | 0.1 | 62 |
| Bolundskogen | PFM000069 | Surface | 42 | <0.2 | 0.23 | 0.28 | 0.35 | 1.1 | 0.30 | 0.2 | 56 |
| Kungsträsket | PFM000068 | Surface | 43 | <0.2 | 0.23 | 0.26 | 0.33 | 0.70 | 0.28 | 0.1 | 50 |
| Lillputtsundet | PFM000067 | Surface | 36 | <0.2 | <0.2 | 0.25 | 0.30 | 0.49 | 0.23 | 0.1 | 45 |
| Flottbron | PFM000072 | Surface | 33 | <0.2 | <0.2 | 0.20 | 0.27 | 0.43 | 0.21 | 0.1 | 51 |
| Söder Bredviken | PFM000073 | Surface | 19 | 0.21 | 0.38 | 0.44 | 0.49 | 0.66 | 0.44 | 0.1 | 27 |
| Forsmark area | | Surface | 270 | <0.2 | <0.2 | 0.24 | 0.31 | 1.1 | 0.25 | 0.1 | 55 |
| Simpevarp area | | Surface | 565 | <0.2 | 0.37 | 0.53 | 0.77 | 2.7 | 0.66 | 0.5 | 70 |
| Sweden | N.S.2000 | Surface | 725 | 0.020 | 0.070 | 0.12 | 0.21 | 0.99 | 0.16 | 0.1 | 83 |

Surface Water

| Gd | | | Gadolinium (µg/l) | | | | | | | | Gd |
|------------------------|-----------|---------|-------------------|------------|-------------|------------------|-------------|------------|-------------|-------------|------------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | 0.0080 | 0.013 | 0.016 | 0.018 | 0.032 | 0.017 | 0.008 | 45 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 6 | <0.005 | 0.0095 | 0.014 | 0.015 | 0.031 | 0.014 | 0.010 | 69 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 2 | 0.017 | 0.022 | 0.028 | 0.033 | 0.039 | 0.028 | 0.02 | 55 |
| Eckarfjärden | PFM000117 | Surface | 6 | <0.005 | <0.005 | 0.0059 | 0.017 | 0.023 | 0.0099 | 0.009 | 94 |
| Eckarfjärden | PFM000117 | Bottom | 2 | 0.0076 | 0.013 | 0.018 | 0.024 | 0.029 | 0.018 | 0.02 | 83 |
| Bolundsfjärden | PFM000107 | Surface | 6 | 0.010 | 0.016 | 0.018 | 0.024 | 0.056 | 0.024 | 0.02 | 70 |
| Bolundsfjärden | PFM000107 | Bottom | 2 | 0.022 | 0.028 | 0.034 | 0.040 | 0.047 | 0.034 | 0.02 | 50 |
| Norra bassängen | PFM000097 | Surface | 5 | 0.0073 | 0.013 | 0.021 | 0.022 | 0.054 | 0.024 | 0.02 | 77 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.0070 | 0.0078 | 0.0085 | 0.012 | 0.020 | 0.011 | 0.006 | 55 |
| Forsmark area | | Surface | 34 | <0.005 | 0.0083 | 0.014 | 0.020 | 0.056 | 0.017 | 0.01 | 75 |
| Forsmark area | | Bottom | 7 | <0.005 | 0.012 | 0.022 | 0.034 | 0.047 | 0.023 | 0.02 | 68 |
| Simpevarp area | | Surface | 1 | 0.018 | | 0.018 | | 0.018 | 0.018 | | |
| Simpevarp area | | Bottom | 1 | 0.018 | | 0.018 | | 0.018 | 0.018 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 57 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 79 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | 0.060 | 0.13 | <0.05 | 0.05 | 120 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.064 | 0.33 | 0.069 | 0.1 | 170 |
| Forsmark area | | Surface | 31 | <0.05 | <0.05 | <0.05 | <0.05 | 0.33 | <0.05 | 0.06 | 190 |
| Forsmark area | | Bottom | 10 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 100 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 6 | 0.014 | 0.016 | 0.019 | 0.022 | 0.028 | 0.020 | 0.005 | 27 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.010 | 0.014 | 0.018 | 0.025 | 0.033 | 0.020 | 0.009 | 44 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.028 | | 0.028 | | 0.028 | 0.028 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.029 | 0.033 | 0.047 | 0.049 | 0.052 | 0.042 | 0.01 | 25 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.0080 | 0.012 | 0.014 | 0.023 | 0.054 | 0.022 | 0.02 | 84 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | 0.0070 | 0.0075 | 0.014 | 0.026 | 0.011 | 0.009 | 80 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.0054 | 0.0062 | 0.0070 | 0.010 | 0.013 | 0.0086 | 0.004 | 49 |
| Forsmark area | | Surface | 32 | <0.005 | 0.013 | 0.019 | 0.028 | 0.054 | 0.022 | 0.01 | 65 |
| Simpevarp area | | Surface | 10 | 0.031 | 0.042 | 0.053 | 0.070 | 0.11 | 0.058 | 0.02 | 38 |

Surface Water

| Hf | | | Hafnium (µg/l) | | | | | | | | Hf |
|------------------------|-----------|---------|----------------|--------|--------|------------------|--------|--------|--------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | <0.005 | <0.005 | 0.0080 | 0.013 | 0.028 | 0.010 | 0.009 | 87 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | 0.0070 | 0.0090 | 0.013 | 0.024 | 0.011 | 0.007 | 64 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.0067 | 0.0097 | 0.013 | 0.017 | 0.022 | 0.014 | 0.007 | 55 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | 0.012 | 0.015 | 0.020 | 0.011 | 0.007 | 64 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.005 | 0.0080 | 0.014 | 0.016 | 0.018 | 0.011 | 0.008 | 71 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.005 | 0.0063 | 0.012 | 0.017 | 0.075 | 0.019 | 0.03 | 130 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.0056 | 0.0095 | 0.013 | 0.015 | 0.017 | 0.012 | 0.006 | 48 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.005 | 0.0070 | 0.013 | 0.015 | 0.019 | 0.011 | 0.006 | 56 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.005 | 0.0051 | 0.0060 | 0.0070 | 0.010 | 0.0061 | 0.003 | 50 |
| Forsmark area | | Surface | 39 | <0.005 | 0.0053 | 0.010 | 0.014 | 0.075 | 0.012 | 0.01 | 100 |
| Forsmark area | | Bottom | 10 | <0.005 | 0.0059 | 0.013 | 0.016 | 0.022 | 0.011 | 0.007 | 59 |
| Simpevarp area | | Surface | 1 | 0.69 | | 0.69 | | 0.69 | 0.69 | | |
| Simpevarp area | | Bottom | 1 | 0.35 | | 0.35 | | 0.35 | 0.35 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.22 | 1.1 | 0.24 | 0.4 | 180 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | 0.24 | 0.47 | 0.71 | 0.94 | 0.47 | 0.7 | 140 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 74 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 74 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | 1.3 | 0.18 | 0.5 | 260 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | 0.33 | 1.2 | 0.32 | 0.6 | 190 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0050 | | 0.0050 | | 0.0050 | 0.0050 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0022 | | 0.0022 | | 0.0022 | 0.0022 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | 2.0 | 0.31 | 0.8 | 250 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | 0.98 | 1.9 | 0.66 | 1 | 170 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.32 | 1.3 | 0.32 | 0.6 | 180 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.031 | | 0.031 | | 0.031 | 0.031 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.033 | | 0.033 | | 0.033 | 0.033 | | |
| Forsmark area | | Surface | 35 | <0.05 | <0.05 | <0.05 | <0.05 | 2.0 | 0.23 | 0.5 | 220 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | 1.9 | 0.33 | 0.6 | 190 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | 0.35 | 0.74 | 0.95 | 0.42 | 0.5 | 110 |
| Simpevarp area | | Bottom | 4 | <0.05 | 0.40 | 0.65 | 0.83 | 1.0 | 0.58 | 0.4 | 72 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.005 | 0.0080 | 0.010 | 0.018 | 0.025 | 0.013 | 0.008 | 65 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.005 | 0.0063 | 0.0085 | 0.015 | 0.021 | 0.010 | 0.007 | 66 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.0086 | 0.013 | 0.015 | 0.019 | 0.058 | 0.021 | 0.02 | 86 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.005 | <0.005 | 0.010 | 0.019 | 0.024 | 0.011 | 0.010 | 83 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | <0.005 | 0.0059 | 0.0090 | 0.031 | 0.010 | 0.01 | 120 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.0077 | 0.0079 | 0.0080 | 0.037 | 0.065 | 0.027 | 0.03 | 120 |
| Forsmark area | | Surface | 33 | <0.005 | 0.0070 | 0.010 | 0.019 | 0.065 | 0.014 | 0.01 | 98 |
| Simpevarp area | | Surface | 10 | 0.062 | 0.10 | 0.13 | 0.19 | 0.24 | 0.14 | 0.06 | 40 |

Surface Water

| Ho | | | Holmium (µg/l) | | | | | | | | Ho |
|------------------------|-----------|---------|----------------|--------|--------|---------------|--------|--------|--------|--------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0072 | <0.005 | 0.002 | 55 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0079 | <0.005 | 0.002 | 54 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.0052 | 0.0057 | 0.0062 | 0.0086 | 0.011 | 0.0074 | 0.003 | 41 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0077 | <0.005 | 0.002 | 58 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.005 | <0.005 | 0.0071 | 0.0073 | 0.0074 | 0.0057 | 0.003 | 48 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.005 | <0.005 | <0.005 | 0.0070 | 0.012 | 0.0053 | 0.003 | 66 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.0052 | 0.0069 | 0.0085 | 0.0093 | 0.010 | 0.0079 | 0.002 | 31 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.005 | <0.005 | <0.005 | 0.0071 | 0.012 | 0.0055 | 0.004 | 69 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0052 | <0.005 | 0.001 | 43 |
| Forsmark area | | Surface | 39 | <0.005 | <0.005 | <0.005 | 0.0060 | 0.012 | <0.005 | 0.003 | 61 |
| Forsmark area | | Bottom | 10 | <0.005 | 0.0052 | 0.0067 | 0.0082 | 0.011 | 0.0066 | 0.003 | 43 |
| Simpevarp area | | Surface | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Simpevarp area | | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 69 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.004 | 65 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 68 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 88 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0040 | | 0.0040 | | 0.0040 | 0.0040 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0031 | | 0.0031 | | 0.0031 | 0.0031 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.010 | 81 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 130 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | 0.061 | <0.05 | 0.02 | 110 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.024 | | 0.024 | | 0.024 | 0.024 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.026 | | 0.026 | | 0.026 | 0.026 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | 0.061 | <0.05 | 0.01 | 93 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.010 | 110 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.005 | <0.005 | <0.005 | 0.0062 | 0.0066 | <0.005 | 0.002 | 43 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.005 | <0.005 | <0.005 | 0.0054 | 0.0075 | <0.005 | 0.002 | 56 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.0060 | | 0.0060 | | 0.0060 | 0.0060 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.0060 | 0.0070 | 0.0094 | 0.010 | 0.011 | 0.0088 | 0.002 | 24 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.012 | <0.005 | 0.004 | 90 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0050 | <0.005 | 0.001 | 44 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0001 | 4.5 |
| Forsmark area | | Surface | 33 | <0.005 | <0.005 | <0.005 | 0.0064 | 0.012 | <0.005 | 0.003 | 61 |
| Simpevarp area | | Surface | 10 | 0.0058 | 0.0074 | 0.0089 | 0.013 | 0.018 | 0.010 | 0.004 | 37 |

Surface Water

| pH | | | pH (field) (pH unit) | | | | | | | | pH |
|------------------------|-----------|---------|----------------------|------|------|-------------|------|------|------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 6.74 | 7.05 | 7.30 | 7.67 | 8.36 | 7.37 | 0.42 | 5.7 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 39 | 6.31 | 7.27 | 7.80 | 8.06 | 8.78 | 7.69 | 0.58 | 7.5 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 6.92 | 7.17 | 7.72 | 7.83 | 8.42 | 7.57 | 0.42 | 5.5 |
| Eckarfjärden | PFM000117 | Surface | 45 | 6.97 | 7.82 | 8.32 | 8.52 | 8.82 | 8.12 | 0.55 | 6.8 |
| Eckarfjärden | PFM000117 | Bottom | 23 | 7.19 | 7.37 | 7.86 | 8.40 | 8.61 | 7.90 | 0.52 | 6.6 |
| Bolundsfjärden | PFM000107 | Surface | 50 | 6.84 | 7.41 | 8.27 | 8.70 | 9.45 | 8.12 | 0.75 | 9.3 |
| Bolundsfjärden | PFM000107 | Bottom | 23 | 6.70 | 7.16 | 8.02 | 8.56 | 8.71 | 7.85 | 0.73 | 9.3 |
| Norra bassängen | PFM000097 | Surface | 34 | 6.92 | 7.25 | 8.15 | 8.97 | 9.51 | 8.13 | 0.87 | 11 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 7.74 | 8.49 | 8.65 | 8.83 | 9.26 | 8.61 | 0.42 | 4.9 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 8.18 | 8.51 | 8.62 | 8.72 | 9.02 | 8.64 | 0.25 | 2.9 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 6.92 | 7.35 | 7.68 | 9.01 | 9.52 | 8.12 | 0.90 | 11 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 6.96 | | 6.96 | | 6.96 | 6.96 | | |
| Forsmark area | | Surface | 246 | 6.31 | 7.30 | 7.92 | 8.52 | 9.52 | 7.94 | 0.73 | 9.2 |
| Forsmark area | | Bottom | 78 | 6.70 | 7.28 | 7.83 | 8.47 | 9.02 | 7.87 | 0.62 | 7.9 |
| Simpevarp area | | Surface | 97 | 6.22 | 6.79 | 7.04 | 7.26 | 8.01 | 7.01 | 0.34 | 4.9 |
| Simpevarp area | | Bottom | 99 | 6.09 | 6.32 | 6.59 | 6.85 | 7.76 | 6.62 | 0.35 | 5.3 |
| Sea Water | | | | | | | | | | | |
| SV Forslingens grund | PFM000062 | Surface | 42 | 7.62 | 7.83 | 7.92 | 8.09 | 8.27 | 7.95 | 0.16 | 2.1 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 7.81 | 7.91 | 7.98 | 8.14 | 8.25 | 8.02 | 0.15 | 1.9 |
| Alt. SV Forslingen | PFM000082 | Surface | 9 | 7.59 | 7.83 | 7.99 | 8.06 | 8.24 | 7.95 | 0.20 | 2.5 |
| Alt. SV Forslingen | PFM000082 | Bottom | 9 | 7.55 | 7.81 | 7.92 | 8.02 | 8.24 | 7.91 | 0.23 | 2.9 |
| Tixelfjärden | PFM000063 | Surface | 40 | 7.21 | 7.73 | 7.95 | 8.08 | 8.24 | 7.89 | 0.26 | 3.3 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 7.17 | 7.46 | 7.84 | 8.08 | 8.20 | 7.76 | 0.35 | 4.5 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 8.09 | 8.10 | 8.10 | 8.17 | 8.24 | 8.14 | 0.084 | 1.0 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 8.11 | 8.11 | 8.11 | 8.21 | 8.30 | 8.17 | 0.11 | 1.3 |
| Kallriga, norra | PFM000064 | Surface | 35 | 6.94 | 7.63 | 8.08 | 8.17 | 8.86 | 7.95 | 0.44 | 5.6 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 6.89 | 7.46 | 8.07 | 8.16 | 8.42 | 7.85 | 0.51 | 6.5 |
| Kallriga, södra | PFM000065 | Surface | 35 | 6.93 | 7.77 | 8.01 | 8.21 | 8.44 | 7.94 | 0.37 | 4.7 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 7.28 | 7.48 | 7.53 | 7.57 | 7.89 | 7.55 | 0.22 | 2.9 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 7.62 | 7.66 | 7.69 | 7.71 | 7.86 | 7.71 | 0.091 | 1.2 |
| Forsmark area | | Surface | 171 | 6.93 | 7.78 | 7.98 | 8.12 | 8.86 | 7.93 | 0.31 | 4.0 |
| Forsmark area | | Bottom | 72 | 6.89 | 7.62 | 7.95 | 8.13 | 8.42 | 7.87 | 0.35 | 4.5 |
| Simpevarp area | | Surface | 139 | 6.63 | 7.73 | 7.93 | 8.14 | 8.53 | 7.87 | 0.38 | 4.9 |
| Simpevarp area | | Bottom | 137 | 6.82 | 7.30 | 7.71 | 7.96 | 8.36 | 7.63 | 0.41 | 5.4 |
| Streaming Water | | | | | | | | | | | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 6.82 | 7.10 | 7.25 | 7.38 | 7.96 | 7.24 | 0.21 | 3.0 |
| Söder Eckarfjärden | PFM000071 | Surface | 32 | 6.81 | 7.27 | 7.35 | 7.47 | 7.69 | 7.36 | 0.18 | 2.5 |
| Norr Eckarfjärden | PFM000070 | Surface | 42 | 6.64 | 7.14 | 7.26 | 7.55 | 7.85 | 7.31 | 0.28 | 3.8 |
| Bolundskogen | PFM000069 | Surface | 48 | 6.76 | 6.90 | 7.10 | 7.30 | 7.59 | 7.11 | 0.23 | 3.3 |
| Kungsträsket | PFM000068 | Surface | 47 | 6.84 | 7.02 | 7.19 | 7.34 | 7.53 | 7.18 | 0.19 | 2.7 |
| Lillputtsundet | PFM000067 | Surface | 41 | 6.80 | 7.36 | 7.80 | 8.17 | 8.66 | 7.76 | 0.52 | 6.7 |
| Flottbron | PFM000072 | Surface | 37 | 6.40 | 6.80 | 7.05 | 7.19 | 7.39 | 7.01 | 0.24 | 3.4 |
| Söder Bredviken | PFM000073 | Surface | 21 | 7.42 | 7.65 | 7.74 | 7.92 | 8.06 | 7.76 | 0.17 | 2.2 |
| Forsmark area | | Surface | 309 | 6.40 | 7.06 | 7.27 | 7.47 | 8.66 | 7.31 | 0.37 | 5.1 |

Surface Water

| pH | | | pH (lab) (pH unit) | | | | | | | | pH |
|------------------------|-----------|---------|--------------------|------|------|-------------|------|------|------|-------|------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 40 | 7.00 | 7.24 | 7.53 | 7.82 | 8.26 | 7.55 | 0.35 | 4.6 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 39 | 6.97 | 7.41 | 7.90 | 8.18 | 8.66 | 7.83 | 0.47 | 6.1 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 20 | 6.97 | 7.32 | 7.80 | 8.02 | 8.56 | 7.69 | 0.43 | 5.6 |
| Eckarfjärden | PFM000117 | Surface | 42 | 7.00 | 7.88 | 8.33 | 8.48 | 8.77 | 8.12 | 0.51 | 6.3 |
| Eckarfjärden | PFM000117 | Bottom | 18 | 7.34 | 7.54 | 8.20 | 8.40 | 8.60 | 8.00 | 0.45 | 5.6 |
| Bolundsfjärden | PFM000107 | Surface | 45 | 6.93 | 7.43 | 8.33 | 8.70 | 9.28 | 8.13 | 0.70 | 8.6 |
| Bolundsfjärden | PFM000107 | Bottom | 19 | 7.07 | 7.33 | 8.00 | 8.48 | 8.80 | 7.92 | 0.61 | 7.8 |
| Norra bassängen | PFM000097 | Surface | 35 | 6.96 | 7.51 | 8.16 | 8.79 | 9.62 | 8.21 | 0.78 | 9.5 |
| Fiskarfjärden | PFM000127 | Surface | 11 | 7.85 | 8.23 | 8.50 | 8.58 | 9.17 | 8.45 | 0.41 | 4.9 |
| Fiskarfjärden | PFM000127 | Bottom | 7 | 8.33 | 8.50 | 8.58 | 8.60 | 8.80 | 8.56 | 0.14 | 1.7 |
| Fiskarfjärden | PFM000135 | Surface | 16 | 7.00 | 7.38 | 7.91 | 8.79 | 9.40 | 8.05 | 0.82 | 10 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 7.00 | | 7.00 | | 7.00 | 7.00 | | |
| Forsmark area | | Surface | 231 | 6.93 | 7.43 | 8.00 | 8.46 | 9.62 | 7.99 | 0.64 | 8.0 |
| Forsmark area | | Bottom | 65 | 6.97 | 7.41 | 8.00 | 8.40 | 8.80 | 7.93 | 0.54 | 6.8 |
| Simpevarp area | | Surface | 112 | 6.15 | 6.72 | 6.90 | 7.07 | 7.47 | 6.90 | 0.29 | 4.2 |
| Simpevarp area | | Bottom | 112 | 6.14 | 6.40 | 6.70 | 6.89 | 7.77 | 6.69 | 0.33 | 4.9 |
| Sweden | N.S.2000 | Surface | 3464 | 3.12 | 6.25 | 6.63 | 6.95 | 8.25 | 6.55 | 0.68 | 10 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 40 | 7.36 | 7.86 | 7.94 | 8.00 | 8.14 | 7.92 | 0.14 | 1.8 |
| SV Forslingens grund | PFM000062 | Bottom | 13 | 7.90 | 8.00 | 8.00 | 8.07 | 8.16 | 8.02 | 0.075 | 0.94 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 7.50 | 7.64 | 7.80 | 8.03 | 8.50 | 7.87 | 0.35 | 4.5 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 7.48 | 7.68 | 7.87 | 7.95 | 8.03 | 7.81 | 0.20 | 2.6 |
| Tixelfjärden | PFM000063 | Surface | 39 | 7.19 | 7.75 | 7.90 | 7.98 | 8.10 | 7.81 | 0.23 | 3.0 |
| Tixelfjärden | PFM000063 | Bottom | 18 | 7.08 | 7.50 | 7.84 | 7.99 | 8.06 | 7.72 | 0.32 | 4.1 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 7.80 | 7.85 | 7.90 | 7.92 | 7.94 | 7.88 | 0.072 | 0.92 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 7.80 | 7.88 | 7.96 | 7.98 | 8.00 | 7.92 | 0.11 | 1.3 |
| Kallriga, norra | PFM000064 | Surface | 35 | 6.93 | 7.66 | 7.90 | 8.05 | 8.82 | 7.84 | 0.38 | 4.9 |
| Kallriga, norra | PFM000064 | Bottom | 16 | 6.88 | 7.59 | 7.88 | 7.96 | 8.35 | 7.73 | 0.41 | 5.3 |
| Kallriga, södra | PFM000065 | Surface | 34 | 6.87 | 7.75 | 7.94 | 8.04 | 8.30 | 7.83 | 0.37 | 4.7 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 7.29 | 7.47 | 7.60 | 7.82 | 7.90 | 7.62 | 0.25 | 3.3 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 7.55 | 7.70 | 7.75 | 7.78 | 7.90 | 7.74 | 0.13 | 1.6 |
| Forsmark area | | Surface | 166 | 6.87 | 7.75 | 7.90 | 8.00 | 8.82 | 7.85 | 0.29 | 3.7 |
| Forsmark area | | Bottom | 63 | 6.88 | 7.68 | 7.90 | 8.00 | 8.35 | 7.80 | 0.30 | 3.8 |
| Simpevarp area | | Surface | 159 | 6.61 | 7.70 | 7.85 | 8.02 | 8.45 | 7.78 | 0.36 | 4.6 |
| Simpevarp area | | Bottom | 157 | 6.88 | 7.32 | 7.71 | 7.87 | 8.17 | 7.61 | 0.33 | 4.4 |
| Bottenhavet | SMHI:MS4 | Surface | 9 | 7.39 | 7.61 | 7.76 | 7.87 | 8.15 | 7.74 | 0.23 | 3.0 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 6.98 | 7.26 | 7.43 | 7.59 | 8.05 | 7.44 | 0.25 | 3.3 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 6.94 | 7.43 | 7.51 | 7.79 | 8.00 | 7.57 | 0.25 | 3.3 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | 6.85 | 7.24 | 7.48 | 7.60 | 8.10 | 7.45 | 0.25 | 3.4 |
| Bolundskog | PFM000069 | Surface | 47 | 6.84 | 7.09 | 7.33 | 7.54 | 8.10 | 7.34 | 0.30 | 4.1 |
| Kungsträsket | PFM000068 | Surface | 47 | 6.68 | 7.20 | 7.40 | 7.58 | 8.10 | 7.39 | 0.29 | 3.9 |
| Lillputtsundet | PFM000067 | Surface | 41 | 6.98 | 7.50 | 7.90 | 8.28 | 8.64 | 7.87 | 0.47 | 6.0 |
| Flottbron | PFM000072 | Surface | 40 | 6.52 | 7.02 | 7.28 | 7.47 | 8.00 | 7.24 | 0.33 | 4.6 |
| Söder Bredviken | PFM000073 | Surface | 23 | 7.47 | 7.76 | 7.95 | 8.08 | 8.30 | 7.91 | 0.24 | 3.0 |
| Forsmark area | | Surface | 312 | 6.52 | 7.24 | 7.47 | 7.70 | 8.64 | 7.50 | 0.37 | 5.0 |
| Simpevarp area | | Surface | 570 | 5.01 | 6.12 | 6.42 | 6.65 | 7.85 | 6.40 | 0.46 | 7.2 |
| Sweden | N.S.2000 | Surface | 725 | 4.45 | 6.54 | 6.79 | 7.07 | 8.10 | 6.79 | 0.52 | 7.7 |

Surface Water

| Tr | | | Tritium (TU) | | | | | | | | Tr |
|------------------------|-----------|---------|--------------|------|------|-------------|------|------|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 9 | 11.7 | 12.5 | 12.8 | 13.0 | 14.7 | 12.9 | 0.85 | 6.6 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 8 | 9.80 | 12.1 | 12.9 | 13.9 | 15.6 | 12.9 | 1.8 | 14 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 7 | 10.1 | 11.3 | 12.5 | 13.4 | 16.0 | 12.6 | 2.0 | 16 |
| Eckarfjärden | PFM000117 | Surface | 8 | 6.90 | 11.0 | 12.2 | 13.2 | 15.5 | 11.8 | 2.8 | 23 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 8.90 | 11.8 | 13.0 | 13.3 | 13.5 | 12.1 | 2.1 | 18 |
| Bolundsfjärden | PFM000107 | Surface | 9 | 8.40 | 10.4 | 11.5 | 13.0 | 13.5 | 11.5 | 1.8 | 16 |
| Bolundsfjärden | PFM000107 | Bottom | 5 | 9.80 | 11.7 | 13.0 | 13.0 | 15.6 | 12.6 | 2.1 | 17 |
| Norra bassängen | PFM000097 | Surface | 7 | 8.20 | 10.9 | 12.7 | 14.0 | 15.3 | 12.3 | 2.5 | 20 |
| Fiskarfjärden | PFM000127 | Surface | 3 | 7.60 | 8.15 | 8.70 | 11.0 | 13.3 | 9.87 | 3.0 | 31 |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 6.10 | 9.05 | 12.0 | 12.6 | 13.1 | 10.4 | 3.8 | 36 |
| Fiskarfjärden | PFM000135 | Surface | 3 | 11.3 | 11.5 | 11.6 | 13.2 | 14.7 | 12.5 | 1.9 | 15 |
| Forsmark area | | Surface | 48 | 6.90 | 11.4 | 12.5 | 13.4 | 15.6 | 12.1 | 2.1 | 17 |
| Forsmark area | | Bottom | 19 | 6.10 | 11.1 | 12.7 | 13.2 | 16.0 | 12.1 | 2.3 | 19 |
| Simpevarp area | | Surface | 10 | 10.4 | 11.1 | 11.4 | 13.3 | 14.6 | 12.0 | 1.4 | 12 |
| Simpevarp area | | Bottom | 10 | 10.0 | 11.0 | 12.4 | 12.9 | 14.2 | 12.0 | 1.4 | 12 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 9 | 10.1 | 11.0 | 13.7 | 14.4 | 15.9 | 13.2 | 2.1 | 16 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 11.7 | 13.7 | 15.6 | 16.5 | 17.3 | 14.9 | 2.9 | 19 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 12.6 | 13.4 | 14.3 | 15.1 | 15.9 | 14.3 | 2.3 | 16 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 16.6 | 17.3 | 18.0 | 18.6 | 19.3 | 18.0 | 1.9 | 11 |
| Tixelfjärden | PFM000063 | Surface | 8 | 13.1 | 15.5 | 16.8 | 17.3 | 18.6 | 16.2 | 1.9 | 11 |
| Tixelfjärden | PFM000063 | Bottom | 5 | 16.0 | 16.0 | 17.4 | 17.5 | 18.1 | 17.0 | 0.95 | 5.6 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 16.1 | | 16.1 | | 16.1 | 16.1 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 13.9 | | 13.9 | | 13.9 | 13.9 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | 11.5 | 12.6 | 13.7 | 14.2 | 17.0 | 13.7 | 1.9 | 14 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 12.2 | 12.6 | 13.9 | 15.7 | 17.8 | 14.4 | 2.6 | 18 |
| Kallriga, södra | PFM000065 | Surface | 8 | 11.4 | 12.1 | 13.2 | 14.9 | 16.6 | 13.6 | 2.0 | 15 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 11.2 | | 11.2 | | 11.2 | 11.2 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 11.7 | | 11.7 | | 11.7 | 11.7 | | |
| Forsmark area | | Surface | 37 | 10.1 | 12.2 | 13.9 | 15.9 | 18.6 | 14.1 | 2.2 | 16 |
| Forsmark area | | Bottom | 17 | 10.3 | 12.7 | 16.0 | 17.4 | 19.3 | 15.2 | 2.7 | 18 |
| Simpevarp area | | Surface | 28 | 10.3 | 13.2 | 13.9 | 15.6 | 17.3 | 14.0 | 1.8 | 13 |
| Simpevarp area | | Bottom | 28 | 10.1 | 13.1 | 14.0 | 15.0 | 16.7 | 13.9 | 1.7 | 12 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 9 | 10.0 | 10.5 | 11.8 | 13.2 | 14.2 | 12.1 | 1.6 | 13 |
| Söder Eckarfjärden | PFM000071 | Surface | 3 | 5.30 | 8.60 | 11.9 | 12.6 | 13.3 | 10.2 | 4.3 | 42 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | 6.60 | 10.1 | 12.1 | 14.1 | 15.4 | 11.8 | 2.9 | 24 |
| Bolundskogen | PFM000069 | Surface | 6 | 10.1 | 10.9 | 11.0 | 11.2 | 13.9 | 11.3 | 1.3 | 12 |
| Kungsträsket | PFM000068 | Surface | 10 | 8.50 | 10.1 | 11.4 | 12.6 | 13.6 | 11.3 | 1.8 | 16 |
| Lillputtsundet | PFM000067 | Surface | 9 | 6.70 | 12.2 | 13.0 | 13.7 | 17.0 | 12.6 | 2.8 | 22 |
| Flottbron | PFM000072 | Surface | 9 | 10.2 | 11.5 | 12.1 | 12.7 | 13.8 | 11.9 | 1.2 | 9.6 |
| Söder Bredviken | PFM000073 | Surface | 3 | 10.3 | 10.7 | 11.0 | 11.2 | 11.3 | 10.9 | 0.51 | 4.7 |
| Forsmark area | | Surface | 57 | 5.30 | 10.5 | 11.8 | 13.1 | 17.0 | 11.7 | 2.1 | 18 |
| Simpevarp area | | Surface | 82 | 8.70 | 11.0 | 12.0 | 12.8 | 15.0 | 12.0 | 1.3 | 11 |

Surface Water

| In | | | Indium (µg/l) | | | | | | | | In |
|------------------------|-----------|---------|---------------|-------|-------|--------|-------|-------|-------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 2 | <0.05 | 2.0 | 4.1 | 6.1 | 8.1 | 4.1 | 6 | 140 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | 7.5 | | 7.5 | | 7.5 | 7.5 | | |
| Eckarfjärden | PFM000117 | Surface | 2 | <0.05 | 2.6 | 5.2 | 7.8 | 10 | 5.2 | 7 | 140 |
| Eckarfjärden | PFM000117 | Bottom | 1 | 10 | | 10 | | 10 | 10 | | |
| Bolundsfjärden | PFM000107 | Surface | 2 | <0.05 | 2.2 | 4.4 | 6.6 | 8.8 | 4.4 | 6 | 140 |
| Bolundsfjärden | PFM000107 | Bottom | 1 | 13 | | 13 | | 13 | 13 | | |
| Norra bassängen | PFM000097 | Surface | 2 | <0.05 | 2.2 | 4.4 | 6.5 | 8.7 | 4.4 | 6 | 140 |
| Forsmark area | | Surface | 10 | <0.05 | <0.05 | 4.1 | 8.8 | 16 | 5.2 | 6 | 110 |
| Forsmark area | | Bottom | 3 | 7.5 | 8.8 | 10 | 11 | 13 | 10 | 3 | 25 |
| Simpevarp area | | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 3 | <0.1 | 9.7 | 19 | 22 | 26 | 15 | 10 | 89 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | 11 | 13 | 15 | 18 | 20 | 15 | 6 | 41 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 15 | | 15 | | 15 | 15 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 15 | | 15 | | 15 | 15 | | |
| Tixelfjärden | PFM000063 | Surface | 3 | <0.1 | 6.0 | 12 | 15 | 18 | 10 | 9 | 92 |
| Tixelfjärden | PFM000063 | Bottom | 2 | 12 | 14 | 15 | 17 | 19 | 15 | 5 | 32 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 15 | | 15 | | 15 | 15 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 15 | | 15 | | 15 | 15 | | |
| Kallriga, norra | PFM000064 | Surface | 3 | <0.1 | 8.2 | 16 | 19 | 21 | 12 | 10 | 88 |
| Kallriga, norra | PFM000064 | Bottom | 2 | 16 | 17 | 19 | 20 | 21 | 19 | 4 | 19 |
| Kallriga, södra | PFM000065 | Surface | 3 | <0.1 | 7.5 | 15 | 17 | 19 | 11 | 10 | 88 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 14 | | 14 | | 14 | 14 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 21 | | 21 | | 21 | 21 | | |
| Forsmark area | | Surface | 15 | <0.1 | 6.0 | 15 | 19 | 26 | 13 | 9 | 67 |
| Forsmark area | | Bottom | 9 | 11 | 15 | 16 | 20 | 21 | 17 | 4 | 23 |
| Simpevarp area | | Surface | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Simpevarp area | | Bottom | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 2 | <0.05 | 2.6 | 5.1 | 7.7 | 10 | 5.1 | 7 | 140 |
| Norr Eckarfjärden | PFM000070 | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Kungsträsket | PFM000068 | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Lillputtsundet | PFM000067 | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Flottbron | PFM000072 | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Forsmark area | | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | 10 | 1.7 | 4 | 240 |
| Simpevarp area | | Surface | 10 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |

Surface Water

| | | | Iodide (mg/l) | | | | | | | | |
|------------------------|-----------|---------|---------------|--------|--------|---------------|--------|--------|--------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 36 | <0.001 | 0.0040 | 0.0050 | 0.0070 | 0.011 | 0.0055 | 0.002 | 40 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 32 | <0.001 | 0.0040 | 0.0050 | 0.0073 | 0.012 | 0.0059 | 0.003 | 50 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 14 | 0.0020 | 0.0063 | 0.0080 | 0.0090 | 0.012 | 0.0071 | 0.003 | 40 |
| Eckarfjärden | PFM000117 | Surface | 37 | 0.0030 | 0.0050 | 0.0060 | 0.0080 | 0.011 | 0.0065 | 0.002 | 27 |
| Eckarfjärden | PFM000117 | Bottom | 13 | 0.0050 | 0.0060 | 0.0070 | 0.0080 | 0.010 | 0.0072 | 0.002 | 21 |
| Bolundsfjärden | PFM000107 | Surface | 39 | <0.001 | 0.0050 | 0.0060 | 0.0090 | 0.016 | 0.0071 | 0.003 | 49 |
| Bolundsfjärden | PFM000107 | Bottom | 13 | 0.0010 | 0.0070 | 0.0090 | 0.010 | 0.012 | 0.0081 | 0.003 | 38 |
| Norra bassängen | PFM000097 | Surface | 29 | 0.0020 | 0.0040 | 0.0050 | 0.0060 | 0.013 | 0.0057 | 0.003 | 44 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 0.010 | 0.013 | 0.015 | 0.018 | 0.024 | 0.016 | 0.004 | 27 |
| Fiskarfjärden | PFM000127 | Bottom | 8 | 0.0090 | 0.011 | 0.012 | 0.014 | 0.018 | 0.013 | 0.003 | 26 |
| Fiskarfjärden | PFM000135 | Surface | 14 | 0.0050 | 0.0093 | 0.012 | 0.016 | 0.026 | 0.014 | 0.006 | 47 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.020 | | 0.020 | | 0.020 | 0.020 | | |
| Forsmark area | | Surface | 200 | <0.001 | 0.0050 | 0.0060 | 0.0090 | 0.026 | 0.0073 | 0.004 | 59 |
| Forsmark area | | Bottom | 49 | 0.0010 | 0.0070 | 0.0080 | 0.010 | 0.020 | 0.0086 | 0.004 | 43 |
| Simpevarp area | | Surface | 20 | 0.0040 | 0.0078 | 0.021 | 0.026 | 0.033 | 0.019 | 0.010 | 51 |
| Simpevarp area | | Bottom | 18 | 0.0040 | 0.0090 | 0.021 | 0.026 | 0.039 | 0.019 | 0.01 | 54 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 37 | 0.0050 | 0.0080 | 0.0090 | 0.011 | 0.022 | 0.010 | 0.004 | 39 |
| SV Forslingens grund | PFM000062 | Bottom | 8 | 0.0060 | 0.0078 | 0.0090 | 0.010 | 0.014 | 0.0091 | 0.002 | 26 |
| Alt. SV Forslingen | PFM000082 | Surface | 4 | 0.0080 | 0.0088 | 0.010 | 0.011 | 0.012 | 0.0100 | 0.002 | 18 |
| Alt. SV Forslingen | PFM000082 | Bottom | 4 | 0.0060 | 0.0083 | 0.0095 | 0.011 | 0.014 | 0.0098 | 0.003 | 34 |
| Tixelfjärden | PFM000063 | Surface | 33 | 0.0060 | 0.0080 | 0.0090 | 0.010 | 0.015 | 0.0095 | 0.002 | 20 |
| Tixelfjärden | PFM000063 | Bottom | 13 | 0.0070 | 0.0080 | 0.0090 | 0.011 | 0.018 | 0.0098 | 0.003 | 32 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0060 | | 0.0060 | | 0.0060 | 0.0060 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0060 | | 0.0060 | | 0.0060 | 0.0060 | | |
| Kallriga, norra | PFM000064 | Surface | 31 | 0.0050 | 0.0080 | 0.0090 | 0.011 | 0.015 | 0.0095 | 0.003 | 27 |
| Kallriga, norra | PFM000064 | Bottom | 12 | 0.0080 | 0.0088 | 0.011 | 0.012 | 0.015 | 0.011 | 0.003 | 24 |
| Kallriga, södra | PFM000065 | Surface | 30 | 0.0050 | 0.0090 | 0.0090 | 0.010 | 0.014 | 0.0095 | 0.002 | 18 |
| Alt. Kallriga | PFM000084 | Surface | 3 | 0.0040 | 0.0050 | 0.0060 | 0.0065 | 0.0070 | 0.0057 | 0.002 | 27 |
| Alt. Kallriga | PFM000084 | Bottom | 3 | 0.0050 | 0.0060 | 0.0070 | 0.0090 | 0.011 | 0.0077 | 0.003 | 40 |
| Forsmark area | | Surface | 140 | 0.0040 | 0.0080 | 0.0090 | 0.010 | 0.022 | 0.0096 | 0.003 | 29 |
| Forsmark area | | Bottom | 42 | 0.0050 | 0.0080 | 0.0090 | 0.011 | 0.018 | 0.0098 | 0.003 | 29 |
| Simpevarp area | | Surface | 26 | 0.0070 | 0.0093 | 0.012 | 0.013 | 0.019 | 0.012 | 0.003 | 27 |
| Simpevarp area | | Bottom | 26 | 0.0070 | 0.0093 | 0.013 | 0.015 | 0.034 | 0.013 | 0.006 | 46 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 28 | 0.0010 | 0.0030 | 0.0040 | 0.0060 | 0.019 | 0.0052 | 0.004 | 76 |
| Söder Eckarfjärden | PFM000071 | Surface | 23 | <0.001 | 0.0035 | 0.0050 | 0.0070 | 0.021 | 0.0060 | 0.004 | 74 |
| Norr Eckarfjärden | PFM000070 | Surface | 30 | 0.0020 | 0.0040 | 0.0050 | 0.0060 | 0.0090 | 0.0052 | 0.002 | 34 |
| Bolundskogen | PFM000069 | Surface | 35 | 0.0020 | 0.0040 | 0.0050 | 0.0080 | 0.023 | 0.0070 | 0.004 | 60 |
| Kungsträsket | PFM000068 | Surface | 35 | 0.0010 | 0.0050 | 0.0050 | 0.0075 | 0.019 | 0.0062 | 0.003 | 50 |
| Lillputtsundet | PFM000067 | Surface | 33 | 0.0020 | 0.0040 | 0.0070 | 0.0080 | 0.011 | 0.0063 | 0.002 | 37 |
| Flottbron | PFM000072 | Surface | 29 | 0.0030 | 0.0050 | 0.0070 | 0.0090 | 0.019 | 0.0080 | 0.004 | 53 |
| Söder Bredviken | PFM000073 | Surface | 16 | <0.001 | 0.0010 | 0.0020 | 0.0040 | 0.012 | 0.0032 | 0.003 | 100 |
| Forsmark area | | Surface | 229 | <0.001 | 0.0040 | 0.0050 | 0.0080 | 0.023 | 0.0061 | 0.004 | 60 |
| Simpevarp area | | Surface | 87 | 0.0020 | 0.0060 | 0.010 | 0.020 | 0.10 | 0.016 | 0.02 | 110 |

| | | | Fe(II) Ferrous iron (mg/l) | | | | | | | | Fe(II) |
|------------------------|--|---------|----------------------------|--------|--------|------------------|--------|-------|--------|------|--------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Simpevarp area | | Surface | 3 | 0.23 | 0.25 | 0.27 | 0.27 | 0.27 | 0.26 | 0.03 | 10 |
| Simpevarp area | | Bottom | 1 | 0.17 | | 0.17 | | 0.17 | 0.17 | | |
| Sea Water | | | | | | | | | | | |
| Simpevarp area | | Surface | 7 | <0.022 | <0.022 | <0.022 | <0.022 | 0.097 | <0.022 | 0.03 | 190 |
| Simpevarp area | | Bottom | 8 | <0.022 | <0.022 | <0.022 | <0.022 | 0.41 | 0.063 | 0.1 | 230 |
| Streaming Water | | | | | | | | | | | |
| Simpevarp area | | Surface | 17 | 0.28 | 0.39 | 0.47 | 0.82 | 1.3 | 0.62 | 0.3 | 52 |

Surface Water

| Fe | | | Iron (total ICP) (mg/l) | | | | | | | | Fe |
|------------------------|-----------|---------|-------------------------|---------|--------|----------------|-------|-------|-------|------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 13 | 0.027 | 0.035 | 0.039 | 0.050 | 0.30 | 0.062 | 0.07 | 120 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 13 | 0.010 | 0.053 | 0.068 | 0.12 | 0.33 | 0.090 | 0.08 | 91 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 9 | 0.010 | 0.042 | 0.084 | 0.13 | 0.41 | 0.13 | 0.1 | 99 |
| Eckarfjärden | PFM000117 | Surface | 12 | 0.0069 | 0.012 | 0.024 | 0.050 | 0.074 | 0.032 | 0.03 | 79 |
| Eckarfjärden | PFM000117 | Bottom | 7 | 0.014 | 0.027 | 0.033 | 0.060 | 0.10 | 0.047 | 0.03 | 68 |
| Bolundsfjärden | PFM000107 | Surface | 14 | 0.025 | 0.050 | 0.10 | 0.16 | 0.32 | 0.12 | 0.09 | 72 |
| Bolundsfjärden | PFM000107 | Bottom | 7 | 0.061 | 0.090 | 0.15 | 0.18 | 0.27 | 0.15 | 0.08 | 51 |
| Norra bassängen | PFM000097 | Surface | 9 | 0.048 | 0.082 | 0.099 | 0.18 | 0.67 | 0.18 | 0.2 | 110 |
| Fiskarfjärden | PFM000127 | Surface | 3 | 0.010 | 0.035 | 0.060 | 0.061 | 0.062 | 0.044 | 0.03 | 67 |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 0.020 | 0.028 | 0.037 | 0.051 | 0.066 | 0.041 | 0.02 | 57 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.036 | 0.038 | 0.043 | 0.29 | 0.32 | 0.15 | 0.1 | 100 |
| Forsmark area | | Surface | 70 | 0.0069 | 0.036 | 0.056 | 0.11 | 0.67 | 0.094 | 0.1 | 110 |
| Forsmark area | | Bottom | 26 | 0.010 | 0.038 | 0.070 | 0.12 | 0.41 | 0.10 | 0.09 | 93 |
| Simpevarp area | | Surface | 112 | 0.031 | 0.63 | 0.88 | 1.2 | 2.0 | 0.86 | 0.5 | 55 |
| Simpevarp area | | Bottom | 110 | 0.054 | 0.72 | 0.94 | 1.5 | 12 | 1.3 | 2 | 120 |
| Sweden | N.S.2000 | Surface | 1206 | 0.0040 | 0.059 | 0.20 | 0.54 | 1500 | 1.7 | 40 | 2500 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 13 | <0.004 | 0.0054 | 0.012 | 0.022 | 0.045 | 0.016 | 0.01 | 85 |
| SV Forslingens grund | PFM000062 | Bottom | 4 | <0.004 | 0.0061 | 0.011 | 0.017 | 0.028 | 0.012 | 0.01 | 95 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 0.011 | 0.030 | 0.050 | 0.070 | 0.090 | 0.050 | 0.06 | 110 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 0.010 | 0.025 | 0.041 | 0.056 | 0.072 | 0.041 | 0.04 | 110 |
| Tixelfjärden | PFM000063 | Surface | 11 | 0.00040 | 0.011 | 0.020 | 0.041 | 0.12 | 0.035 | 0.04 | 110 |
| Tixelfjärden | PFM000063 | Bottom | 6 | <0.0004 | 0.012 | 0.024 | 0.042 | 0.063 | 0.028 | 0.02 | 84 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.14 | | 0.14 | | 0.14 | 0.14 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.074 | | 0.074 | | 0.074 | 0.074 | | |
| Kallriga, norra | PFM000064 | Surface | 10 | 0.010 | 0.038 | 0.093 | 0.19 | 0.45 | 0.14 | 0.1 | 100 |
| Kallriga, norra | PFM000064 | Bottom | 5 | 0.010 | 0.060 | 0.062 | 0.067 | 0.12 | 0.063 | 0.04 | 59 |
| Kallriga, södra | PFM000065 | Surface | 9 | 0.0038 | 0.010 | 0.073 | 0.15 | 1.2 | 0.20 | 0.4 | 200 |
| Alt. Kallriga | PFM000084 | Surface | 2 | 0.30 | 0.44 | 0.57 | 0.71 | 0.85 | 0.57 | 0.4 | 68 |
| Alt. Kallriga | PFM000084 | Bottom | 2 | <0.02 | 0.22 | 0.42 | 0.63 | 0.84 | 0.42 | 0.6 | 140 |
| Forsmark area | | Surface | 48 | <0.02 | <0.02 | 0.029 | 0.10 | 1.2 | 0.11 | 0.2 | 200 |
| Forsmark area | | Bottom | 20 | <0.02 | <0.02 | 0.032 | 0.064 | 0.84 | 0.077 | 0.2 | 240 |
| Simpevarp area | | Surface | 160 | <0.1 | <0.1 | <0.1 | <0.1 | 0.85 | <0.1 | 0.2 | 190 |
| Simpevarp area | | Bottom | 156 | <0.1 | <0.1 | <0.1 | <0.1 | 1.7 | <0.1 | 0.2 | 260 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 12 | 0.047 | 0.073 | 0.11 | 0.14 | 0.31 | 0.12 | 0.08 | 63 |
| Söder Eckarfjärden | PFM000071 | Surface | 9 | 0.036 | 0.065 | 0.082 | 0.22 | 0.94 | 0.20 | 0.3 | 140 |
| Norr Eckarfjärden | PFM000070 | Surface | 12 | 0.024 | 0.047 | 0.060 | 0.081 | 0.57 | 0.11 | 0.2 | 140 |
| Bolundskogen | PFM000069 | Surface | 14 | 0.072 | 0.10 | 0.14 | 0.22 | 0.62 | 0.19 | 0.1 | 77 |
| Kungsträsket | PFM000068 | Surface | 13 | 0.11 | 0.15 | 0.21 | 0.31 | 0.59 | 0.26 | 0.1 | 56 |
| Lillputtsundet | PFM000067 | Surface | 12 | 0.030 | 0.053 | 0.084 | 0.16 | 0.25 | 0.11 | 0.07 | 67 |
| Flottbron | PFM000072 | Surface | 12 | 0.039 | 0.081 | 0.26 | 0.35 | 1.5 | 0.32 | 0.4 | 120 |
| Söder Bredviken | PFM000073 | Surface | 5 | 0.026 | 0.067 | 0.071 | 0.096 | 0.11 | 0.073 | 0.03 | 43 |
| Forsmark area | | Surface | 89 | 0.024 | 0.068 | 0.11 | 0.22 | 1.5 | 0.18 | 0.2 | 110 |
| Simpevarp area | | Surface | 555 | 0.23 | 0.91 | 1.2 | 1.8 | 11 | 1.6 | 1 | 84 |

| Fe | | | Iron (total spectrometric) (mg/l) | | | | | | | | Fe |
|-----------------|--|---------|-----------------------------------|--------|--------|--------------|-------|-------|-------|------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 3 | 0.55 | 0.71 | 0.87 | 0.88 | 0.89 | 0.77 | 0.2 | 25 |
| Simpevarp area | | Bottom | 1 | 0.57 | | 0.57 | | 0.57 | 0.57 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 8 | <0.009 | <0.009 | 0.012 | 0.021 | 0.056 | 0.017 | 0.02 | 100 |
| Simpevarp area | | Bottom | 8 | <0.009 | <0.009 | 0.019 | 0.046 | 0.50 | 0.084 | 0.2 | 200 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 17 | 1.1 | 1.6 | 2.1 | 3.0 | 3.7 | 2.2 | 0.8 | 38 |

Surface Water

| La | | | Lanthanum (µg/l) | | | | | | | | La |
|------------------------|-----------|---------|------------------|-------|-------|-----------------|-------|-------|-------|--------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 5 | 0.028 | 0.044 | 0.052 | 0.059 | 0.11 | 0.058 | 0.03 | 52 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 5 | 0.010 | 0.034 | 0.040 | 0.057 | 0.094 | 0.047 | 0.03 | 66 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 2 | 0.058 | 0.074 | 0.090 | 0.11 | 0.12 | 0.090 | 0.04 | 50 |
| Eckarfjärden | PFM000117 | Surface | 5 | 0.010 | 0.011 | 0.073 | 0.078 | 0.10 | 0.055 | 0.04 | 76 |
| Eckarfjärden | PFM000117 | Bottom | 2 | 0.10 | 0.11 | 0.11 | 0.12 | 0.12 | 0.11 | 0.01 | 13 |
| Bolundsfjärden | PFM000107 | Surface | 5 | 0.053 | 0.10 | 0.11 | 0.16 | 0.27 | 0.14 | 0.08 | 59 |
| Bolundsfjärden | PFM000107 | Bottom | 2 | 0.16 | 0.18 | 0.20 | 0.21 | 0.23 | 0.20 | 0.05 | 25 |
| Norra bassängen | PFM000097 | Surface | 4 | 0.042 | 0.081 | 0.13 | 0.18 | 0.25 | 0.13 | 0.09 | 65 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.018 | | 0.018 | | 0.018 | 0.018 | | |
| Fiskarfjärden | PFM000135 | Surface | 3 | 0.031 | 0.035 | 0.039 | 0.047 | 0.054 | 0.041 | 0.01 | 28 |
| Forsmark area | | Surface | 28 | 0.010 | 0.040 | 0.058 | 0.10 | 0.27 | 0.080 | 0.06 | 80 |
| Forsmark area | | Bottom | 7 | 0.018 | 0.079 | 0.12 | 0.14 | 0.23 | 0.12 | 0.07 | 60 |
| Simpevarp area | | Surface | 1 | 0.12 | | 0.12 | | 0.12 | 0.12 | | |
| Simpevarp area | | Bottom | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 28 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.0001 | 1.4 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.062 | | 0.062 | | 0.062 | 0.062 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.079 | | 0.079 | | 0.079 | 0.079 | | |
| Tixelfjärden | PFM000063 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | 0.064 | <0.05 | 0.02 | 79 |
| Tixelfjärden | PFM000063 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 65 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.091 | | 0.091 | | 0.091 | 0.091 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.048 | | 0.048 | | 0.048 | 0.048 | | |
| Kallriga, norra | PFM000064 | Surface | 6 | <0.05 | <0.05 | <0.05 | 0.14 | 0.86 | 0.19 | 0.3 | 170 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | 0.100 | 0.17 | 0.076 | 0.08 | 110 |
| Kallriga, södra | PFM000065 | Surface | 6 | <0.05 | <0.05 | <0.05 | 0.19 | 0.83 | 0.19 | 0.3 | 170 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.84 | | 0.84 | | 0.84 | 0.84 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.90 | | 0.90 | | 0.90 | 0.90 | | |
| Forsmark area | | Surface | 27 | <0.05 | <0.05 | <0.05 | 0.063 | 0.86 | 0.13 | 0.3 | 200 |
| Forsmark area | | Bottom | 11 | <0.05 | <0.05 | <0.05 | 0.063 | 0.90 | 0.12 | 0.3 | 220 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 6 | 0.045 | 0.051 | 0.072 | 0.087 | 0.088 | 0.069 | 0.02 | 30 |
| Norr Eckarfjärden | PFM000070 | Surface | 5 | 0.050 | 0.065 | 0.070 | 0.090 | 0.13 | 0.080 | 0.03 | 37 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.12 | | 0.12 | | 0.12 | 0.12 | | |
| Kungsträsket | PFM000068 | Surface | 5 | 0.12 | 0.13 | 0.22 | 0.22 | 0.23 | 0.18 | 0.05 | 29 |
| Lillputtsundet | PFM000067 | Surface | 4 | 0.039 | 0.053 | 0.081 | 0.14 | 0.26 | 0.11 | 0.10 | 87 |
| Flottbron | PFM000072 | Surface | 4 | 0.019 | 0.024 | 0.038 | 0.070 | 0.13 | 0.056 | 0.05 | 90 |
| Söder Bredviken | PFM000073 | Surface | 2 | 0.017 | 0.020 | 0.023 | 0.027 | 0.030 | 0.023 | 0.010 | 41 |
| Forsmark area | | Surface | 27 | 0.017 | 0.050 | 0.086 | 0.12 | 0.26 | 0.095 | 0.07 | 70 |
| Simpevarp area | | Surface | 10 | 0.16 | 0.25 | 0.34 | 0.46 | 0.66 | 0.36 | 0.1 | 41 |

Surface Water

| Pb | | | Lead (µg/l) | | | | | | | | Pb |
|------------------------|-----------|---------|-------------|-------|-------|-----------------|-------|-------|-------|------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | 0.020 | 0.039 | 0.048 | 0.10 | 0.22 | 0.075 | 0.06 | 79 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.011 | 0.018 | 0.037 | 0.042 | 0.095 | 0.038 | 0.03 | 76 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.020 | 0.024 | 0.029 | 0.059 | 0.088 | 0.046 | 0.04 | 81 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.015 | 0.029 | 0.046 | 0.075 | 0.24 | 0.069 | 0.07 | 98 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.015 | 0.018 | 0.034 | 0.062 | 0.10 | 0.046 | 0.04 | 88 |
| Bolundsfjärden | PFM000107 | Surface | 8 | 0.069 | 0.11 | 0.14 | 0.23 | 0.64 | 0.22 | 0.2 | 89 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.10 | 0.12 | 0.13 | 0.19 | 0.26 | 0.16 | 0.08 | 50 |
| Norra bassängen | PFM000097 | Surface | 5 | 0.084 | 0.12 | 0.14 | 0.15 | 0.20 | 0.14 | 0.04 | 32 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.18 | | 0.18 | | 0.18 | 0.18 | | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | 0.12 | 0.14 | 0.17 | 0.20 | 0.23 | 0.17 | 0.08 | 46 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.099 | 0.12 | 0.12 | 0.14 | 0.24 | 0.14 | 0.05 | 39 |
| Forsmark area | | Surface | 45 | 0.011 | 0.042 | 0.092 | 0.14 | 0.64 | 0.11 | 0.1 | 99 |
| Forsmark area | | Bottom | 12 | 0.015 | 0.027 | 0.096 | 0.12 | 0.26 | 0.096 | 0.08 | 83 |
| Simpevarp area | | Surface | 1 | 0.48 | | 0.48 | | 0.48 | 0.48 | | |
| Simpevarp area | | Bottom | 1 | 0.44 | | 0.44 | | 0.44 | 0.44 | | |
| Sweden | N.S.2000 | Surface | 1206 | 0.010 | 0.070 | 0.18 | 0.39 | 500 | 0.77 | 10 | 1900 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | <0.2 | <0.2 | <0.2 | <0.2 | 2.8 | 0.44 | 0.9 | 200 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | <0.2 | <0.2 | 0.30 | 0.40 | 0.50 | 0.28 | 0.2 | 79 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.12 | | 0.12 | | 0.12 | 0.12 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.32 | | 0.32 | | 0.32 | 0.32 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <0.3 | <0.3 | <0.3 | <0.3 | 0.38 | <0.3 | 0.1 | 100 |
| Tixelfjärden | PFM000063 | Bottom | 5 | <0.3 | <0.3 | <0.3 | <0.3 | 0.86 | <0.3 | 0.3 | 140 |
| Kallriga, norra | PFM000064 | Surface | 8 | <0.3 | <0.3 | <0.3 | <0.3 | 0.41 | <0.3 | 0.1 | 84 |
| Kallriga, norra | PFM000064 | Bottom | 4 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.09 | 82 |
| Kallriga, södra | PFM000065 | Surface | 9 | <0.3 | <0.3 | <0.3 | <0.3 | 1.8 | <0.3 | 0.6 | 200 |
| Forsmark area | | Surface | 38 | <0.3 | <0.3 | <0.3 | <0.3 | 2.8 | <0.3 | 0.6 | 220 |
| Forsmark area | | Bottom | 13 | <0.3 | <0.3 | <0.3 | 0.30 | 0.86 | <0.3 | 0.2 | 110 |
| Simpevarp area | | Surface | 4 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | |
| Simpevarp area | | Bottom | 4 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.027 | 0.030 | 0.047 | 0.063 | 0.089 | 0.050 | 0.02 | 47 |
| Söder Eckarfjärden | PFM000071 | Surface | 1 | <0.01 | | <0.01 | | <0.01 | <0.01 | | |
| Norr Eckarfjärden | PFM000070 | Surface | 7 | 0.025 | 0.046 | 0.063 | 0.087 | 0.14 | 0.070 | 0.04 | 53 |
| Bolundskogen | PFM000069 | Surface | 3 | 0.068 | 0.071 | 0.073 | 0.089 | 0.10 | 0.082 | 0.02 | 24 |
| Kungsträsket | PFM000068 | Surface | 8 | 0.043 | 0.052 | 0.062 | 0.069 | 0.074 | 0.060 | 0.01 | 20 |
| Lillputtsundet | PFM000067 | Surface | 7 | 0.059 | 0.11 | 0.14 | 0.20 | 0.21 | 0.15 | 0.06 | 39 |
| Flottbron | PFM000072 | Surface | 6 | 0.065 | 0.11 | 0.15 | 0.22 | 0.40 | 0.18 | 0.1 | 66 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.013 | 0.039 | 0.065 | 0.19 | 0.31 | 0.13 | 0.2 | 120 |
| Forsmark area | | Surface | 42 | <0.01 | 0.049 | 0.070 | 0.11 | 0.40 | 0.097 | 0.08 | 82 |
| Simpevarp area | | Surface | 10 | 0.086 | 0.10 | 0.24 | 0.38 | 0.55 | 0.26 | 0.2 | 65 |

Surface Water

| Li | | | Lithium (mg/l) | | | | | | | | Li |
|------------------------|-----------|---------|----------------|--------|--------|---------------|--------|--------|--------|--------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0070 | <0.004 | 0.0008 | 41 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0080 | <0.004 | 0.001 | 45 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | <0.004 | <0.004 | <0.004 | <0.004 | 0.011 | <0.004 | 0.002 | 66 |
| Eckarfjärden | PFM000117 | Surface | 44 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0040 | <0.004 | 0.0006 | 35 |
| Eckarfjärden | PFM000117 | Bottom | 21 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0005 | 36 |
| Bolundsfjärden | PFM000107 | Surface | 47 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0040 | <0.004 | 0.0007 | 31 |
| Bolundsfjärden | PFM000107 | Bottom | 20 | <0.004 | <0.004 | <0.004 | 0.0040 | 0.0050 | <0.004 | 0.0009 | 31 |
| Norra bassängen | PFM000097 | Surface | 37 | <0.004 | <0.004 | <0.004 | 0.0040 | 0.0080 | <0.004 | 0.002 | 48 |
| Fiskarfjärden | PFM000127 | Surface | 14 | <0.004 | 0.0040 | 0.0040 | 0.0050 | 0.0060 | 0.0044 | 0.001 | 25 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.0040 | 0.0040 | 0.0050 | 0.0060 | 0.0060 | 0.0049 | 0.0009 | 19 |
| Fiskarfjärden | PFM000135 | Surface | 16 | <0.004 | <0.004 | 0.0040 | 0.0060 | 0.0090 | 0.0044 | 0.002 | 51 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.0080 | | 0.0080 | | 0.0080 | 0.0080 | | |
| Forsmark area | | Surface | 244 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0090 | <0.004 | 0.001 | 53 |
| Forsmark area | | Bottom | 73 | <0.004 | <0.004 | <0.004 | 0.0040 | 0.011 | <0.004 | 0.002 | 62 |
| Simpevarp area | | Surface | 112 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0040 | <0.004 | 0.0003 | 14 |
| Simpevarp area | | Bottom | 112 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0060 | <0.004 | 0.0009 | 38 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 0.0070 | 0.023 | 0.025 | 0.026 | 0.035 | 0.024 | 0.004 | 17 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | <0.004 | 0.022 | 0.023 | 0.028 | 0.035 | 0.022 | 0.010 | 43 |
| Alt. SV Forslingen | PFM000082 | Surface | 7 | 0.016 | 0.022 | 0.023 | 0.027 | 0.030 | 0.024 | 0.005 | 20 |
| Alt. SV Forslingen | PFM000082 | Bottom | 7 | 0.021 | 0.023 | 0.024 | 0.028 | 0.030 | 0.025 | 0.004 | 14 |
| Tixelfjärden | PFM000063 | Surface | 41 | 0.015 | 0.023 | 0.024 | 0.025 | 0.038 | 0.024 | 0.004 | 16 |
| Tixelfjärden | PFM000063 | Bottom | 20 | 0.020 | 0.023 | 0.026 | 0.030 | 0.038 | 0.027 | 0.005 | 19 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.023 | 0.024 | 0.024 | 0.026 | 0.028 | 0.025 | 0.003 | 11 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 2 | 0.025 | 0.026 | 0.027 | 0.027 | 0.028 | 0.027 | 0.002 | 8.0 |
| Kallriga, norra | PFM000064 | Surface | 37 | <0.004 | 0.016 | 0.022 | 0.024 | 0.035 | 0.020 | 0.007 | 33 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 0.013 | 0.020 | 0.024 | 0.027 | 0.036 | 0.024 | 0.006 | 24 |
| Kallriga, södra | PFM000065 | Surface | 35 | <0.004 | 0.016 | 0.022 | 0.024 | 0.035 | 0.020 | 0.008 | 39 |
| Alt. Kallriga | PFM000084 | Surface | 4 | 0.0060 | 0.0090 | 0.015 | 0.020 | 0.024 | 0.015 | 0.008 | 56 |
| Alt. Kallriga | PFM000084 | Bottom | 4 | 0.0060 | 0.016 | 0.020 | 0.021 | 0.024 | 0.017 | 0.008 | 45 |
| Forsmark area | | Surface | 172 | <0.004 | 0.021 | 0.023 | 0.025 | 0.038 | 0.022 | 0.006 | 27 |
| Forsmark area | | Bottom | 68 | <0.004 | 0.022 | 0.024 | 0.028 | 0.038 | 0.024 | 0.007 | 28 |
| Simpevarp area | | Surface | 160 | <0.02 | 0.024 | 0.030 | 0.032 | 0.044 | 0.028 | 0.007 | 26 |
| Simpevarp area | | Bottom | 157 | <0.02 | 0.027 | 0.031 | 0.032 | 0.049 | 0.030 | 0.006 | 20 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 37 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0040 | <0.004 | 0.0004 | 22 |
| Söder Eckarfjärden | PFM000071 | Surface | 31 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0050 | <0.004 | 0.0005 | 26 |
| Norr Eckarfjärden | PFM000070 | Surface | 38 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0004 | 24 |
| Bolundskogen | PFM000069 | Surface | 46 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0070 | <0.004 | 0.001 | 41 |
| Kungsträsket | PFM000068 | Surface | 46 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0050 | <0.004 | 0.0007 | 30 |
| Lillputtsundet | PFM000067 | Surface | 43 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0070 | <0.004 | 0.001 | 42 |
| Flottbron | PFM000072 | Surface | 38 | <0.004 | <0.004 | 0.0040 | 0.0050 | 0.0080 | <0.004 | 0.002 | 47 |
| Söder Bredviken | PFM000073 | Surface | 20 | <0.004 | 0.011 | 0.012 | 0.013 | 0.015 | 0.011 | 0.003 | 28 |
| Forsmark area | | Surface | 299 | <0.004 | <0.004 | <0.004 | <0.004 | 0.015 | <0.004 | 0.003 | 83 |
| Simpevarp area | | Surface | 555 | <0.004 | <0.004 | <0.004 | <0.004 | 0.013 | <0.004 | 0.002 | 61 |

Surface Water

| Lu | | | Lutetium (µg/l) | | | | | | | | Lu |
|------------------------|-----------|---------|-----------------|--------|--------|--------|--------|--------|--------|--------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0001 | 4.6 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.010 | <0.005 | 0.003 | 75 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.005 | <0.005 | <0.005 | 0.0056 | 0.0072 | <0.005 | 0.002 | 53 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0060 | <0.005 | 0.001 | 48 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0010 | 32 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0061 | <0.005 | 0.001 | 44 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.005 | <0.005 | <0.005 | 0.0052 | 0.0059 | <0.005 | 0.002 | 40 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0067 | <0.005 | 0.002 | 56 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| Forsmark area | | Surface | 39 | <0.005 | <0.005 | <0.005 | <0.005 | 0.010 | <0.005 | 0.002 | 52 |
| Forsmark area | | Bottom | 10 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0072 | <0.005 | 0.002 | 44 |
| Simpevarp area | | Surface | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Simpevarp area | | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 69 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.006 | 110 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 81 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 88 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0018 | | 0.0018 | | 0.0018 | 0.0018 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0012 | | 0.0012 | | 0.0012 | 0.0012 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 96 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 130 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 94 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.011 | | 0.011 | | 0.011 | 0.011 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.010 | 85 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 110 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0003 | 13 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0003 | 14 |
| Bolundskogen | PFM000069 | Surface | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.005 | <0.005 | <0.005 | 0.0052 | 0.0060 | <0.005 | 0.002 | 42 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0058 | <0.005 | 0.002 | 51 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0009 | 43 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0004 | 18 |
| Forsmark area | | Surface | 33 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0060 | <0.005 | 0.001 | 41 |
| Simpevarp area | | Surface | 10 | <0.005 | <0.005 | <0.005 | 0.0066 | 0.0096 | <0.005 | 0.003 | 56 |

Surface Water

| Mg | | | Magnesium (mg/l) | | | | | | | | Mg |
|------------------------|-----------|---------|-------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 2.6 | 3.2 | 3.5 | 3.9 | 4.4 | 3.5 | 0.5 | 13 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 3.1 | 4.2 | 4.5 | 5.1 | 7.2 | 4.7 | 0.8 | 18 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 3.7 | 4.6 | 5.1 | 5.8 | 6.7 | 5.2 | 0.8 | 15 |
| Eckarfjärden | PFM000117 | Surface | 45 | 0.70 | 2.6 | 2.7 | 2.9 | 3.5 | 2.7 | 0.4 | 14 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 2.5 | 2.6 | 2.8 | 3.0 | 3.3 | 2.8 | 0.3 | 8.9 |
| Bolundsfjärden | PFM000107 | Surface | 47 | 1.6 | 5.1 | 5.5 | 7.4 | 13 | 6.4 | 3 | 39 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 4.5 | 8.1 | 9.0 | 11 | 42 | 11 | 9 | 76 |
| Norra bassängen | PFM000097 | Surface | 37 | 5.0 | 6.0 | 7.5 | 11 | 26 | 9.3 | 5 | 51 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 5.6 | 6.0 | 6.5 | 6.7 | 7.2 | 6.4 | 0.5 | 7.7 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 5.7 | 5.8 | 6.3 | 7.1 | 7.2 | 6.4 | 0.7 | 11 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 3.8 | 6.1 | 6.3 | 7.3 | 9.8 | 6.8 | 2 | 22 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 8.2 | | 8.2 | | 8.2 | 8.2 | | |
| Forsmark area | | Surface | 247 | 0.70 | 3.3 | 4.7 | 6.2 | 26 | 5.4 | 3 | 58 |
| Forsmark area | | Bottom | 74 | 2.5 | 3.3 | 5.1 | 7.2 | 42 | 6.5 | 6 | 87 |
| Simpevarp area | | Surface | 112 | 1.9 | 2.2 | 2.3 | 2.9 | 4.3 | 2.6 | 0.6 | 22 |
| Simpevarp area | | Bottom | 112 | 1.9 | 2.3 | 2.4 | 3.0 | 4.3 | 2.7 | 0.6 | 21 |
| Sweden | N.S.2000 | Surface | 3464 | 0.036 | 0.53 | 0.81 | 1.4 | 180 | 1.3 | 4 | 310 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 160 | 170 | 180 | 180 | 200 | 180 | 8 | 4.6 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 160 | 180 | 180 | 180 | 190 | 180 | 8 | 4.4 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 110 | 170 | 180 | 180 | 190 | 170 | 20 | 14 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 170 | 170 | 180 | 180 | 190 | 180 | 7 | 3.9 |
| Tixelfjärden | PFM000063 | Surface | 41 | 100 | 170 | 180 | 180 | 200 | 170 | 20 | 12 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 160 | 170 | 180 | 180 | 190 | 180 | 8 | 4.6 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 160 | 170 | 180 | 180 | 180 | 170 | 7 | 4.1 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 170 | 170 | 180 | 180 | 180 | 170 | 4 | 2.3 |
| Kallriga, norra | PFM000064 | Surface | 37 | 21 | 110 | 160 | 170 | 190 | 140 | 50 | 32 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 74 | 140 | 160 | 180 | 190 | 160 | 30 | 17 |
| Kallriga, södra | PFM000065 | Surface | 36 | 10 | 120 | 160 | 170 | 180 | 140 | 50 | 40 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 18 | 31 | 46 | 140 | 180 | 85 | 80 | 88 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 19 | 140 | 140 | 150 | 170 | 130 | 60 | 48 |
| Forsmark area | | Surface | 175 | 10 | 160 | 170 | 180 | 200 | 160 | 40 | 27 |
| Forsmark area | | Bottom | 72 | 19 | 160 | 180 | 180 | 190 | 170 | 30 | 15 |
| Simpevarp area | | Surface | 160 | 33 | 180 | 220 | 240 | 260 | 200 | 50 | 24 |
| Simpevarp area | | Bottom | 157 | 67 | 210 | 230 | 240 | 270 | 220 | 30 | 13 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 2.5 | 2.9 | 3.1 | 3.3 | 4.2 | 3.2 | 0.4 | 13 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 2.8 | 3.3 | 3.5 | 3.8 | 4.4 | 3.5 | 0.4 | 9.9 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | 0.70 | 2.6 | 2.6 | 2.7 | 3.4 | 2.6 | 0.4 | 18 |
| Bolundskogen | PFM000069 | Surface | 48 | 1.6 | 4.5 | 5.1 | 5.6 | 7.6 | 5.0 | 1 | 23 |
| Kungsträsket | PFM000068 | Surface | 48 | 2.4 | 3.7 | 4.4 | 5.3 | 7.9 | 4.5 | 1 | 27 |
| Lillputtsundet | PFM000067 | Surface | 44 | 3.8 | 5.2 | 6.3 | 9.7 | 14 | 7.3 | 3 | 38 |
| Flottbron | PFM000072 | Surface | 40 | 4.5 | 6.0 | 6.9 | 8.5 | 17 | 7.6 | 3 | 35 |
| Söder Bredviken | PFM000073 | Surface | 23 | 9.2 | 13 | 14 | 15 | 17 | 14 | 2 | 14 |
| Forsmark area | | Surface | 317 | 0.70 | 3.2 | 4.5 | 6.4 | 17 | 5.5 | 3 | 61 |
| Simpevarp area | | Surface | 556 | 0.90 | 2.0 | 2.4 | 3.2 | 5.8 | 2.6 | 0.9 | 34 |
| Sweden | N.S.2000 | Surface | 725 | 0.097 | 0.74 | 1.2 | 2.6 | 22 | 2.3 | 3 | 120 |

Surface Water

| Mn | | | Manganese (mg/l) | | | | | | | | Mn |
|------------------------|-----------|---------|------------------|----------|---------|--------------------|--------|----------|----------|-------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 13 | <0.003 | 0.0061 | 0.0074 | 0.012 | 0.16 | 0.027 | 0.05 | 180 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 12 | 0.0010 | 0.0042 | 0.0088 | 0.032 | 0.64 | 0.084 | 0.2 | 220 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 9 | 0.0060 | 0.018 | 0.037 | 0.074 | 0.74 | 0.15 | 0.3 | 170 |
| Eckarfjärden | PFM000117 | Surface | 13 | <0.003 | 0.0051 | 0.011 | 0.029 | 0.11 | 0.024 | 0.03 | 130 |
| Eckarfjärden | PFM000117 | Bottom | 7 | 0.011 | 0.015 | 0.047 | 0.064 | 0.14 | 0.051 | 0.05 | 90 |
| Bolundsfjärden | PFM000107 | Surface | 14 | <0.003 | 0.0040 | 0.0088 | 0.038 | 0.069 | 0.021 | 0.02 | 110 |
| Bolundsfjärden | PFM000107 | Bottom | 6 | 0.0075 | 0.010 | 0.034 | 0.060 | 0.072 | 0.037 | 0.03 | 81 |
| Norra bassängen | PFM000097 | Surface | 9 | 0.0027 | 0.0055 | 0.011 | 0.022 | 0.052 | 0.017 | 0.02 | 95 |
| Fiskarfjärden | PFM000127 | Surface | 3 | 0.0010 | 0.0060 | 0.011 | 0.013 | 0.015 | 0.0090 | 0.007 | 80 |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 0.0010 | 0.0060 | 0.011 | 0.013 | 0.015 | 0.0088 | 0.007 | 79 |
| Fiskarfjärden | PFM000135 | Surface | 5 | <0.003 | 0.0036 | 0.0040 | 0.11 | 0.13 | 0.050 | 0.06 | 130 |
| Forsmark area | | Surface | 70 | <0.003 | 0.0041 | 0.0088 | 0.027 | 0.64 | 0.034 | 0.08 | 250 |
| Forsmark area | | Bottom | 25 | <0.003 | 0.011 | 0.021 | 0.063 | 0.74 | 0.077 | 0.2 | 210 |
| Simpevarp area | | Surface | 112 | <0.003 | 0.014 | 0.041 | 0.081 | 0.22 | 0.051 | 0.05 | 91 |
| Simpevarp area | | Bottom | 110 | <0.003 | 0.038 | 0.086 | 0.18 | 1.9 | 0.17 | 0.3 | 160 |
| Sweden | N.S.2000 | Surface | 1206 | | 0.0060 | 0.018 | 0.041 | 62 | 0.088 | 2 | 2000 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 13 | <0.003 | <0.003 | <0.003 | 0.0040 | 0.038 | 0.0055 | 0.010 | 180 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | <0.003 | <0.003 | 0.0040 | 0.0050 | 0.0060 | 0.0036 | 0.003 | 73 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.00004 | 0.00075 | 0.0015 | 0.0022 | 0.0029 | 0.0015 | 0.002 | 140 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 0.0018 | 0.0024 | 0.0029 | 0.0035 | 0.0040 | 0.0029 | 0.002 | 54 |
| Tixelfjärden | PFM000063 | Surface | 11 | <0.003 | 0.0031 | 0.0070 | 0.0092 | 0.013 | 0.0068 | 0.004 | 65 |
| Tixelfjärden | PFM000063 | Bottom | 6 | <0.003 | <0.003 | 0.0075 | 0.012 | 0.052 | 0.014 | 0.02 | 140 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0050 | | 0.0050 | | 0.0050 | 0.0050 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | <0.00004 | | <0.00004 | | <0.00004 | <0.00004 | | |
| Kallriga, norra | PFM000064 | Surface | 10 | 0.0030 | 0.0092 | 0.017 | 0.028 | 0.037 | 0.018 | 0.01 | 65 |
| Kallriga, norra | PFM000064 | Bottom | 5 | 0.0052 | 0.0055 | 0.014 | 0.022 | 0.053 | 0.020 | 0.02 | 98 |
| Kallriga, södra | PFM000065 | Surface | 9 | 0.0020 | 0.0052 | 0.011 | 0.049 | 0.053 | 0.024 | 0.02 | 91 |
| Alt. Kallriga | PFM000084 | Surface | 2 | 0.050 | 0.060 | 0.069 | 0.078 | 0.087 | 0.069 | 0.03 | 38 |
| Alt. Kallriga | PFM000084 | Bottom | 2 | 0.0034 | 0.025 | 0.046 | 0.067 | 0.088 | 0.046 | 0.06 | 130 |
| Forsmark area | | Surface | 48 | <0.003 | <0.003 | 0.0068 | 0.015 | 0.087 | 0.014 | 0.02 | 130 |
| Forsmark area | | Bottom | 19 | <0.003 | <0.003 | 0.0052 | 0.013 | 0.088 | 0.015 | 0.02 | 150 |
| Simpevarp area | | Surface | 160 | <0.02 | <0.02 | <0.02 | <0.02 | 0.084 | <0.02 | 0.01 | 150 |
| Simpevarp area | | Bottom | 156 | <0.02 | <0.02 | <0.02 | <0.02 | 0.13 | <0.02 | 0.02 | 150 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 12 | 0.0031 | 0.0090 | 0.013 | 0.017 | 0.19 | 0.029 | 0.05 | 180 |
| Söder Eckarfjärden | PFM000071 | Surface | 9 | <0.003 | 0.0086 | 0.014 | 0.020 | 0.090 | 0.024 | 0.03 | 120 |
| Norr Eckarfjärden | PFM000070 | Surface | 12 | 0.0053 | 0.014 | 0.032 | 0.061 | 0.65 | 0.087 | 0.2 | 210 |
| Bolundskogen | PFM000069 | Surface | 14 | 0.0025 | 0.0042 | 0.0091 | 0.018 | 0.12 | 0.018 | 0.03 | 160 |
| Kungsträsket | PFM000068 | Surface | 13 | 0.0071 | 0.014 | 0.031 | 0.041 | 0.061 | 0.029 | 0.02 | 55 |
| Lillputtsundet | PFM000067 | Surface | 12 | 0.0020 | 0.0065 | 0.011 | 0.017 | 0.10 | 0.020 | 0.03 | 140 |
| Flottbron | PFM000072 | Surface | 12 | 0.0010 | 0.0059 | 0.026 | 0.056 | 0.10 | 0.036 | 0.04 | 100 |
| Söder Bredviken | PFM000073 | Surface | 5 | 0.0042 | 0.0052 | 0.0072 | 0.025 | 0.12 | 0.032 | 0.05 | 150 |
| Forsmark area | | Surface | 89 | <0.003 | 0.0080 | 0.014 | 0.039 | 0.65 | 0.034 | 0.07 | 210 |
| Simpevarp area | | Surface | 555 | 0.0068 | 0.045 | 0.067 | 0.11 | 0.90 | 0.097 | 0.1 | 110 |

Surface Water

| Hg | | | Mercury (µg/l) | | | | | | | Hg | |
|------------------------|-----------|---------|----------------|--------|--------|---------------|--------|--------|--------|--------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 10 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0028 | <0.002 | 0.0006 | 48 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0022 | <0.002 | 0.0005 | 39 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.0020 | 0.0023 | 0.0025 | 0.0047 | 0.0069 | 0.0038 | 0.003 | 71 |
| Eckarfjärden | PFM000117 | Surface | 9 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Eckarfjärden | PFM000117 | Bottom | 4 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0029 | <0.002 | 0.0010 | 64 |
| Bolundsfjärden | PFM000107 | Surface | 8 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0039 | <0.002 | 0.001 | 70 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0028 | <0.002 | 0.001 | 65 |
| Norra bassängen | PFM000097 | Surface | 5 | <0.002 | <0.002 | <0.002 | 0.0050 | 0.014 | 0.0044 | 0.006 | 130 |
| Fiskarfjärden | PFM000127 | Surface | 1 | <0.002 | | <0.002 | | <0.002 | <0.002 | | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Fiskarfjärden | PFM000135 | Surface | 5 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0032 | <0.002 | 0.0010 | 68 |
| Forsmark area | | Surface | 45 | <0.002 | <0.002 | <0.002 | <0.002 | 0.014 | <0.002 | 0.002 | 130 |
| Forsmark area | | Bottom | 12 | <0.002 | <0.002 | <0.002 | 0.0026 | 0.0069 | 0.0020 | 0.002 | 86 |
| Simpevarp area | | Surface | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Simpevarp area | | Bottom | 1 | <0.002 | | <0.002 | | <0.002 | <0.002 | | |
| Sea Water | | | | | | | | | | | |
| SV Forslingens grund | PFM000062 | Surface | 11 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| SV Forslingens grund | PFM000062 | Bottom | 3 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 130 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <0.002 | | <0.002 | | <0.002 | <0.002 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <0.002 | | <0.002 | | <0.002 | <0.002 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Tixelfjärden | PFM000063 | Bottom | 5 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Kallriga, norra | PFM000064 | Surface | 8 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0024 | <0.002 | 0.0005 | 42 |
| Kallriga, norra | PFM000064 | Bottom | 4 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Kallriga, södra | PFM000065 | Surface | 9 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.003 | 140 |
| Forsmark area | | Surface | 38 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.001 | 110 |
| Forsmark area | | Bottom | 13 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.002 | 150 |
| Simpevarp area | | Surface | 8 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Simpevarp area | | Bottom | 8 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Streaming Water | | | | | | | | | | | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0024 | <0.002 | 0.0006 | 46 |
| Söder Eckarfjärden | PFM000071 | Surface | 1 | <0.002 | | <0.002 | | <0.002 | <0.002 | | |
| Norr Eckarfjärden | PFM000070 | Surface | 7 | <0.002 | <0.002 | <0.002 | 0.0030 | 0.0062 | 0.0023 | 0.002 | 98 |
| Bolundskogen | PFM000069 | Surface | 3 | <0.002 | <0.002 | <0.002 | 0.0022 | 0.0033 | <0.002 | 0.001 | 75 |
| Kungsträsket | PFM000068 | Surface | 8 | <0.002 | <0.002 | 0.0020 | 0.0032 | 0.0040 | 0.0022 | 0.001 | 59 |
| Lillputtsundet | PFM000067 | Surface | 7 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0036 | <0.002 | 0.001 | 67 |
| Flottbron | PFM000072 | Surface | 6 | <0.002 | <0.002 | <0.002 | 0.0027 | 0.0047 | 0.0020 | 0.002 | 81 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Forsmark area | | Surface | 42 | <0.002 | <0.002 | <0.002 | 0.0026 | 0.0062 | <0.002 | 0.001 | 75 |
| Simpevarp area | | Surface | 17 | <0.002 | <0.002 | 0.0030 | 0.0038 | 0.0072 | 0.0031 | 0.002 | 58 |

Surface Water

| Mo | | | Molybdenium (µg/l) | | | | | | | | Mo |
|------------------------|-----------|---------|--------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 10 | 0.19 | 0.31 | 0.40 | 0.56 | 0.74 | 0.43 | 0.2 | 41 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.23 | 0.50 | 0.53 | 0.69 | 0.92 | 0.58 | 0.2 | 40 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 4 | 0.29 | 0.39 | 0.43 | 0.44 | 0.49 | 0.41 | 0.08 | 20 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.21 | 0.25 | 0.27 | 0.30 | 0.38 | 0.28 | 0.05 | 17 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.20 | 0.23 | 0.23 | 0.24 | 0.25 | 0.23 | 0.02 | 8.8 |
| Bolundsfjärden | PFM000107 | Surface | 10 | 0.30 | 0.44 | 0.63 | 0.91 | 1.0 | 0.66 | 0.3 | 42 |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 0.50 | 0.54 | 0.58 | 0.72 | 1.1 | 0.68 | 0.3 | 37 |
| Norra bassängen | PFM000097 | Surface | 7 | 0.42 | 0.52 | 0.65 | 0.82 | 1.0 | 0.68 | 0.2 | 33 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.61 | | 0.61 | | 0.61 | 0.61 | | |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 0.62 | 0.62 | 0.63 | 0.84 | 1.1 | 0.77 | 0.3 | 33 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.29 | 0.45 | 0.47 | 0.57 | 0.76 | 0.51 | 0.2 | 34 |
| Forsmark area | | Surface | 49 | 0.19 | 0.30 | 0.47 | 0.65 | 1.0 | 0.52 | 0.2 | 46 |
| Forsmark area | | Bottom | 15 | 0.20 | 0.27 | 0.49 | 0.62 | 1.1 | 0.50 | 0.3 | 53 |
| Simpevarp area | | Surface | 1 | 1.1 | | 1.1 | | 1.1 | 1.1 | | |
| Simpevarp area | | Bottom | 1 | 1.0 | | 1.0 | | 1.0 | 1.0 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | 1.2 | 1.4 | 1.6 | 1.8 | 2.1 | 1.6 | 0.3 | 17 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.9 | 1.6 | 0.4 | 24 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 1.4 | | 1.4 | | 1.4 | 1.4 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 1.6 | | 1.6 | | 1.6 | 1.6 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | 1.2 | 1.4 | 1.6 | 1.8 | 2.1 | 1.6 | 0.3 | 18 |
| Tixelfjärden | PFM000063 | Bottom | 5 | 1.1 | 1.4 | 1.5 | 1.9 | 2.0 | 1.6 | 0.4 | 23 |
| Kallriga, norra | PFM000064 | Surface | 8 | 0.86 | 1.3 | 1.6 | 1.7 | 2.1 | 1.5 | 0.4 | 25 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 1.2 | 1.3 | 1.5 | 1.8 | 2.1 | 1.6 | 0.4 | 27 |
| Kallriga, södra | PFM000065 | Surface | 9 | 0.63 | 1.1 | 1.3 | 1.5 | 1.9 | 1.3 | 0.4 | 31 |
| Forsmark area | | Surface | 38 | 0.63 | 1.3 | 1.5 | 1.7 | 2.1 | 1.5 | 0.3 | 23 |
| Forsmark area | | Bottom | 13 | 1.1 | 1.3 | 1.6 | 1.9 | 2.1 | 1.6 | 0.3 | 21 |
| Simpevarp area | | Surface | 4 | 1.5 | 1.5 | 1.6 | 1.7 | 2.0 | 1.6 | 0.2 | 14 |
| Simpevarp area | | Bottom | 4 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.6 | 0.2 | 11 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 8 | 0.30 | 0.33 | 0.45 | 0.60 | 0.72 | 0.48 | 0.2 | 35 |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 0.91 | 0.92 | 0.92 | 0.92 | 0.93 | 0.92 | 0.008 | 0.85 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | <0.05 | 0.16 | 0.23 | 0.27 | 0.31 | 0.20 | 0.10 | 50 |
| Bolundskogen | PFM000069 | Surface | 4 | 0.13 | 0.23 | 0.31 | 0.36 | 0.36 | 0.28 | 0.1 | 39 |
| Kungsträsket | PFM000068 | Surface | 9 | 0.25 | 0.35 | 0.42 | 0.57 | 0.95 | 0.48 | 0.2 | 44 |
| Lillputtsundet | PFM000067 | Surface | 8 | 0.51 | 0.71 | 1.0 | 1.1 | 1.2 | 0.90 | 0.3 | 28 |
| Flottbron | PFM000072 | Surface | 6 | 0.17 | 0.26 | 0.36 | 0.45 | 0.50 | 0.35 | 0.1 | 37 |
| Söder Bredviken | PFM000073 | Surface | 3 | 1.2 | 1.5 | 1.8 | 1.8 | 1.9 | 1.6 | 0.4 | 23 |
| Forsmark area | | Surface | 48 | <0.05 | 0.29 | 0.42 | 0.73 | 1.9 | 0.56 | 0.4 | 72 |
| Simpevarp area | | Surface | 10 | 0.069 | 0.30 | 0.79 | 2.7 | 6.8 | 1.7 | 2 | 120 |

Surface Water

| Nd | | | Neodymium (µg/l) | | | | | | | | Nd |
|------------------------|-----------|---------|------------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | 0.033 | 0.055 | 0.074 | 0.076 | 0.14 | 0.072 | 0.03 | 44 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.012 | 0.043 | 0.057 | 0.071 | 0.13 | 0.061 | 0.04 | 60 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.072 | 0.079 | 0.085 | 0.12 | 0.15 | 0.10 | 0.04 | 42 |
| Eckarfjärden | PFM000117 | Surface | 7 | 0.014 | 0.018 | 0.037 | 0.091 | 0.13 | 0.057 | 0.05 | 81 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.031 | 0.080 | 0.13 | 0.13 | 0.14 | 0.098 | 0.06 | 59 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.047 | 0.079 | 0.090 | 0.14 | 0.27 | 0.12 | 0.08 | 63 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.12 | 0.14 | 0.17 | 0.20 | 0.24 | 0.17 | 0.06 | 33 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.044 | 0.065 | 0.11 | 0.16 | 0.26 | 0.12 | 0.08 | 64 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.018 | | 0.018 | | 0.018 | 0.018 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.037 | 0.037 | 0.038 | 0.049 | 0.080 | 0.048 | 0.02 | 44 |
| Forsmark area | | Surface | 39 | 0.012 | 0.042 | 0.074 | 0.096 | 0.27 | 0.082 | 0.06 | 71 |
| Forsmark area | | Bottom | 10 | 0.018 | 0.075 | 0.13 | 0.15 | 0.24 | 0.11 | 0.07 | 57 |
| Simpevarp area | | Surface | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Simpevarp area | | Bottom | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 52 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.001 | 11 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | 0.023 | 0.037 | 0.050 | 0.064 | 0.037 | 0.04 | 100 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | 0.025 | 0.039 | 0.054 | 0.069 | 0.039 | 0.04 | 110 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | 0.14 | <0.05 | 0.04 | 110 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 59 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.084 | | 0.084 | | 0.084 | 0.084 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.050 | | 0.050 | | 0.050 | 0.050 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | 0.29 | 0.73 | 0.20 | 0.3 | 140 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | 0.086 | 0.15 | 0.065 | 0.07 | 110 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | 0.076 | 0.31 | 1.7 | 0.34 | 0.6 | 170 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.72 | | 0.72 | | 0.72 | 0.72 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.78 | | 0.78 | | 0.78 | 0.78 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | 0.12 | 1.7 | 0.16 | 0.3 | 210 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | 0.050 | 0.78 | 0.091 | 0.2 | 230 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.054 | 0.066 | 0.090 | 0.11 | 0.12 | 0.087 | 0.03 | 30 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.038 | 0.059 | 0.077 | 0.10 | 0.15 | 0.083 | 0.04 | 47 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.12 | | 0.12 | | 0.12 | 0.12 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.13 | 0.16 | 0.23 | 0.23 | 0.25 | 0.20 | 0.05 | 26 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.040 | 0.053 | 0.068 | 0.11 | 0.27 | 0.11 | 0.09 | 86 |
| Flottbron | PFM000072 | Surface | 5 | 0.026 | 0.031 | 0.032 | 0.061 | 0.14 | 0.057 | 0.05 | 81 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.019 | 0.026 | 0.033 | 0.046 | 0.060 | 0.037 | 0.02 | 56 |
| Forsmark area | | Surface | 33 | 0.019 | 0.054 | 0.081 | 0.13 | 0.27 | 0.10 | 0.07 | 68 |
| Simpevarp area | | Surface | 10 | 0.19 | 0.26 | 0.36 | 0.48 | 0.72 | 0.39 | 0.2 | 41 |

Surface Water

| Ni | | | Nickel (µg/l) | | | | | | | | Ni |
|------------------------|-----------|---------|---------------|-------|------|-------------|------|------|------|------|------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 10 | 0.18 | 0.41 | 0.46 | 0.55 | 0.61 | 0.45 | 0.1 | 31 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.19 | 0.38 | 0.43 | 0.48 | 0.61 | 0.42 | 0.1 | 31 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 4 | 0.45 | 0.50 | 0.65 | 1.3 | 2.8 | 1.1 | 1 | 99 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.14 | 0.20 | 0.27 | 0.29 | 0.36 | 0.25 | 0.07 | 28 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.20 | 0.23 | 0.27 | 0.31 | 0.34 | 0.27 | 0.06 | 23 |
| Bolundsfjärden | PFM000107 | Surface | 10 | 0.31 | 0.41 | 0.42 | 0.55 | 0.68 | 0.48 | 0.1 | 24 |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 0.44 | 0.44 | 0.47 | 0.53 | 0.64 | 0.50 | 0.09 | 18 |
| Norra bassängen | PFM000097 | Surface | 7 | 0.38 | 0.41 | 0.44 | 0.48 | 1.00 | 0.51 | 0.2 | 42 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 0.28 | 0.29 | 0.31 | 0.92 | 1.5 | 0.71 | 0.7 | 100 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.16 | 0.28 | 0.30 | 0.39 | 0.62 | 0.35 | 0.2 | 49 |
| Forsmark area | | Surface | 49 | 0.14 | 0.29 | 0.41 | 0.48 | 1.00 | 0.41 | 0.2 | 39 |
| Forsmark area | | Bottom | 15 | 0.20 | 0.30 | 0.45 | 0.58 | 2.8 | 0.65 | 0.7 | 100 |
| Simpevarp area | | Surface | 1 | 1.8 | | 1.8 | | 1.8 | 1.8 | | |
| Simpevarp area | | Bottom | 1 | 1.6 | | 1.6 | | 1.6 | 1.6 | | |
| Sweden | N.S.2000 | Surface | 1206 | 0.010 | 0.25 | 0.45 | 0.80 | 600 | 1.3 | 20 | 1300 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 10 | <0.4 | 0.59 | 0.83 | 0.98 | 1.1 | 0.76 | 0.3 | 36 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 0.88 | 0.93 | 0.99 | 1.1 | 1.2 | 1.0 | 0.1 | 14 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.95 | | 0.95 | | 0.95 | 0.95 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.63 | | 0.63 | | 0.63 | 0.63 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <0.5 | 0.72 | 0.76 | 0.91 | 1.1 | 0.76 | 0.2 | 30 |
| Tixelfjärden | PFM000063 | Bottom | 5 | <0.5 | 0.59 | 0.94 | 1.2 | 2.0 | 1.00 | 0.7 | 67 |
| Kallriga, norra | PFM000064 | Surface | 8 | 0.87 | 1.1 | 1.3 | 2.1 | 3.0 | 1.6 | 0.8 | 48 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 1.1 | 1.1 | 1.2 | 1.4 | 1.4 | 1.2 | 0.2 | 15 |
| Kallriga, södra | PFM000065 | Surface | 9 | 0.72 | 0.99 | 1.2 | 2.1 | 3.6 | 1.7 | 1 | 65 |
| Forsmark area | | Surface | 37 | <0.5 | 0.76 | 0.94 | 1.2 | 3.6 | 1.2 | 0.8 | 67 |
| Forsmark area | | Bottom | 13 | <0.5 | 0.88 | 1.1 | 1.2 | 2.0 | 1.0 | 0.4 | 42 |
| Simpevarp area | | Surface | 4 | 0.50 | 0.59 | 0.79 | 1.1 | 1.3 | 0.85 | 0.4 | 43 |
| Simpevarp area | | Bottom | 4 | 0.53 | 0.81 | 0.90 | 1.2 | 2.3 | 1.2 | 0.8 | 67 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 8 | 0.40 | 0.46 | 0.50 | 0.55 | 0.69 | 0.52 | 0.09 | 17 |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 0.69 | 0.79 | 0.89 | 0.99 | 1.1 | 0.89 | 0.3 | 32 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | 0.18 | 0.26 | 0.32 | 0.37 | 0.41 | 0.31 | 0.08 | 26 |
| Bolundskogen | PFM000069 | Surface | 4 | 0.42 | 0.50 | 0.56 | 0.60 | 0.61 | 0.54 | 0.09 | 16 |
| Kungsträsket | PFM000068 | Surface | 9 | 0.41 | 0.48 | 0.66 | 0.69 | 0.76 | 0.60 | 0.1 | 21 |
| Lillputtsundet | PFM000067 | Surface | 8 | 0.34 | 0.39 | 0.42 | 0.51 | 0.82 | 0.48 | 0.2 | 33 |
| Flottbron | PFM000072 | Surface | 6 | 0.28 | 0.33 | 0.42 | 0.66 | 0.84 | 0.50 | 0.2 | 46 |
| Söder Bredviken | PFM000073 | Surface | 3 | 1.1 | 1.3 | 1.4 | 1.5 | 1.5 | 1.3 | 0.2 | 17 |
| Forsmark area | | Surface | 48 | 0.18 | 0.39 | 0.48 | 0.68 | 1.5 | 0.56 | 0.3 | 49 |
| Simpevarp area | | Surface | 10 | 0.80 | 1.8 | 3.4 | 5.3 | 15 | 4.4 | 4 | 96 |

Surface Water

| tot-N | | | Nitrogen - total (mg/l) | | | | | | | | tot-N | |
|------------------------|-----------|---------|-------------------------|-------|------|-------------|------|------|------|------|-------|--|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Lake Water | | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 43 | 0.50 | 0.71 | 0.82 | 0.91 | 1.3 | 0.82 | 0.2 | 19 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 40 | 0.52 | 0.74 | 0.83 | 0.89 | 1.3 | 0.82 | 0.2 | 21 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 21 | 0.55 | 0.81 | 0.92 | 1.2 | 1.7 | 0.95 | 0.3 | 28 | |
| Eckarfjärden | PFM000117 | Surface | 47 | 0.46 | 1.1 | 1.2 | 1.5 | 1.9 | 1.3 | 0.3 | 23 | |
| Eckarfjärden | PFM000117 | Bottom | 20 | 0.93 | 1.1 | 1.2 | 1.9 | 2.2 | 1.4 | 0.4 | 30 | |
| Bolundsfjärden | PFM000107 | Surface | 48 | 0.49 | 0.82 | 1.00 | 1.1 | 1.3 | 0.99 | 0.2 | 19 | |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 0.71 | 0.90 | 1.1 | 1.2 | 1.8 | 1.1 | 0.3 | 26 | |
| Norra bassängen | PFM000097 | Surface | 36 | 0.71 | 0.85 | 1.0 | 1.2 | 1.5 | 1.0 | 0.2 | 21 | |
| Fiskarfjärden | PFM000127 | Surface | 13 | 1.1 | 1.4 | 1.5 | 1.9 | 2.2 | 1.6 | 0.3 | 20 | |
| Fiskarfjärden | PFM000127 | Bottom | 8 | 1.1 | 1.4 | 1.5 | 1.7 | 2.0 | 1.5 | 0.3 | 20 | |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.93 | 1.3 | 1.5 | 1.8 | 3.7 | 1.7 | 0.7 | 42 | |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 2.2 | | 2.2 | | 2.2 | 2.2 | | | |
| Forsmark area | | Surface | 250 | 0.33 | 0.82 | 0.99 | 1.2 | 3.7 | 1.1 | 0.4 | 38 | |
| Forsmark area | | Bottom | 71 | 0.55 | 0.93 | 1.1 | 1.4 | 2.2 | 1.2 | 0.4 | 34 | |
| Simpevarp area | | Surface | 112 | 0.52 | 0.82 | 0.95 | 1.0 | 1.3 | 0.92 | 0.2 | 20 | |
| Simpevarp area | | Bottom | 112 | 0.12 | 0.84 | 1.0 | 1.1 | 1.6 | 0.98 | 0.2 | 23 | |
| Sweden | N.S.2000 | Surface | 3464 | 0.086 | 0.26 | 0.37 | 0.53 | 8.8 | 0.44 | 0.4 | 81 | |
| Sea Water | | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 42 | 0.22 | 0.24 | 0.25 | 0.27 | 0.96 | 0.28 | 0.1 | 44 | |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 0.24 | 0.25 | 0.26 | 0.27 | 0.30 | 0.26 | 0.02 | 6.3 | |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.29 | 0.29 | 0.37 | 0.47 | 1.2 | 0.49 | 0.3 | 66 | |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.27 | 0.28 | 0.29 | 0.30 | 0.40 | 0.30 | 0.04 | 13 | |
| Tixelfjärden | PFM000063 | Surface | 40 | 0.24 | 0.29 | 0.30 | 0.33 | 1.2 | 0.37 | 0.2 | 53 | |
| Tixelfjärden | PFM000063 | Bottom | 20 | 0.27 | 0.30 | 0.33 | 0.37 | 0.57 | 0.35 | 0.08 | 24 | |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.28 | 0.29 | 0.30 | 0.32 | 0.34 | 0.30 | 0.03 | 11 | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.28 | 0.29 | 0.29 | 0.30 | 0.31 | 0.29 | 0.01 | 4.0 | |
| Kallriga, norra | PFM000064 | Surface | 36 | 0.37 | 0.46 | 0.52 | 0.71 | 2.8 | 0.75 | 0.6 | 76 | |
| Kallriga, norra | PFM000064 | Bottom | 18 | 0.42 | 0.44 | 0.52 | 0.66 | 1.5 | 0.64 | 0.3 | 49 | |
| Kallriga, södra | PFM000065 | Surface | 35 | 0.28 | 0.36 | 0.45 | 0.76 | 2.5 | 0.68 | 0.6 | 81 | |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.49 | 1.2 | 1.3 | 1.6 | 1.7 | 1.2 | 0.5 | 38 | |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.29 | 0.35 | 0.42 | 0.50 | 1.2 | 0.54 | 0.4 | 65 | |
| Forsmark area | | Surface | 171 | 0.22 | 0.28 | 0.36 | 0.52 | 2.8 | 0.52 | 0.4 | 86 | |
| Forsmark area | | Bottom | 68 | 0.24 | 0.28 | 0.32 | 0.46 | 1.5 | 0.41 | 0.2 | 58 | |
| Simpevarp area | | Surface | 162 | 0.23 | 0.28 | 0.37 | 0.58 | 1.4 | 0.46 | 0.2 | 50 | |
| Simpevarp area | | Bottom | 159 | 0.22 | 0.29 | 0.36 | 0.56 | 1.1 | 0.44 | 0.2 | 42 | |
| Bottenhavet | SMHI:MS4 | Surface | 35 | 0.19 | 0.22 | 0.23 | 0.25 | 0.27 | 0.24 | 0.02 | 9.2 | |
| Bottenhavet | SMHI:MS4 | Bottom | 36 | 0.20 | 0.22 | 0.23 | 0.25 | 0.31 | 0.24 | 0.02 | 10 | |
| Östersjön | SMHI:BY29 | Surface | 44 | 0.25 | 0.27 | 0.29 | 0.30 | 0.34 | 0.29 | 0.02 | 8.2 | |
| Östersjön | SMHI:BY29 | Bottom | 45 | 0.23 | 0.24 | 0.26 | 0.28 | 0.32 | 0.26 | 0.03 | 9.8 | |
| Streaming Water | | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 42 | 0.53 | 0.69 | 0.74 | 0.82 | 1.2 | 0.77 | 0.2 | 21 | |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 0.48 | 0.58 | 0.66 | 0.77 | 1.4 | 0.71 | 0.2 | 29 | |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | 0.74 | 0.96 | 1.1 | 1.3 | 2.0 | 1.1 | 0.3 | 25 | |
| Bolundskogen | PFM000069 | Surface | 48 | 0.61 | 0.79 | 0.88 | 0.97 | 1.7 | 0.89 | 0.2 | 21 | |
| Kungsträsket | PFM000068 | Surface | 48 | 0.66 | 0.84 | 0.96 | 1.1 | 1.8 | 0.98 | 0.2 | 21 | |
| Lillputtsundet | PFM000067 | Surface | 43 | 0.59 | 0.85 | 1.1 | 1.2 | 2.0 | 1.1 | 0.3 | 25 | |
| Flottbron | PFM000072 | Surface | 40 | 0.72 | 1.0 | 1.2 | 1.4 | 2.7 | 1.3 | 0.4 | 32 | |
| Söder Bredviken | PFM000073 | Surface | 23 | 0.59 | 0.94 | 1.9 | 2.8 | 8.0 | 2.4 | 2 | 78 | |
| Forsmark area | | Surface | 320 | 0.48 | 0.78 | 0.95 | 1.2 | 8.0 | 1.1 | 0.7 | 62 | |
| Simpevarp area | | Surface | 563 | 0.10 | 1.0 | 1.2 | 1.7 | 4.6 | 1.5 | 0.7 | 47 | |
| Sweden | N.S.2000 | Surface | 725 | 0.10 | 0.28 | 0.48 | 0.81 | 12 | 0.90 | 1 | 150 | |

Surface Water

| NH4-N | | | Nitrogen as ammonium (mg/l) | | | | | | | NH4-N | |
|------------------------|-----------|---------|-----------------------------|----------|---------|-----------------|--------|--------|--------|--------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 43 | <0.0005 | 0.0024 | 0.0053 | 0.0084 | 0.12 | 0.011 | 0.02 | 180 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 0.0011 | 0.0025 | 0.0066 | 0.013 | 0.34 | 0.026 | 0.06 | 240 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 0.0039 | 0.0072 | 0.017 | 0.16 | 0.49 | 0.085 | 0.1 | 150 |
| Eckarfjärden | PFM000117 | Surface | 48 | 0.0050 | 0.012 | 0.035 | 0.31 | 0.76 | 0.17 | 0.2 | 130 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 0.0073 | 0.018 | 0.070 | 0.72 | 0.94 | 0.33 | 0.4 | 110 |
| Bolundsfjärden | PFM000107 | Surface | 49 | 0.0021 | 0.0058 | 0.0081 | 0.035 | 0.18 | 0.030 | 0.04 | 140 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | 0.0032 | 0.0066 | 0.015 | 0.21 | 0.39 | 0.10 | 0.1 | 120 |
| Norra bassängen | PFM000097 | Surface | 37 | 0.0015 | 0.0035 | 0.0062 | 0.0092 | 0.29 | 0.022 | 0.06 | 260 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 0.0050 | 0.0079 | 0.015 | 0.041 | 0.13 | 0.031 | 0.04 | 120 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.0068 | 0.0078 | 0.010 | 0.024 | 0.15 | 0.030 | 0.05 | 150 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.0052 | 0.016 | 0.042 | 0.32 | 1.4 | 0.26 | 0.4 | 160 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.60 | | 0.60 | | 0.60 | 0.60 | | |
| Forsmark area | | Surface | 255 | <0.01 | <0.01 | <0.01 | 0.033 | 1.4 | 0.069 | 0.2 | 250 |
| Forsmark area | | Bottom | 75 | <0.01 | <0.01 | 0.023 | 0.21 | 0.94 | 0.16 | 0.2 | 150 |
| Simpevarp area | | Surface | 112 | 0.0013 | 0.0059 | 0.023 | 0.066 | 0.25 | 0.047 | 0.05 | 120 |
| Simpevarp area | | Bottom | 112 | 0.0021 | 0.028 | 0.057 | 0.12 | 0.67 | 0.11 | 0.1 | 120 |
| Sweden | N.S.2000 | Surface | 3464 | 0.0010 | 0.0080 | 0.019 | 0.048 | 1.6 | 0.042 | 0.08 | 180 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | 0.00046 | 0.0012 | 0.0016 | 0.0029 | 0.0090 | 0.0023 | 0.002 | 82 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 0.00036 | 0.0012 | 0.0022 | 0.0036 | 0.0072 | 0.0028 | 0.002 | 75 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.0016 | 0.0019 | 0.0031 | 0.0054 | 0.013 | 0.0048 | 0.004 | 89 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.0014 | 0.0018 | 0.0034 | 0.0051 | 0.089 | 0.014 | 0.03 | 220 |
| Tixelfjärden | PFM000063 | Surface | 41 | 0.000070 | 0.0013 | 0.0022 | 0.013 | 0.085 | 0.010 | 0.02 | 170 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 0.00026 | 0.0015 | 0.0082 | 0.040 | 0.095 | 0.021 | 0.03 | 130 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.0010 | 0.0017 | 0.0023 | 0.0027 | 0.0030 | 0.0021 | 0.001 | 48 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.0011 | 0.0017 | 0.0023 | 0.0037 | 0.0050 | 0.0028 | 0.002 | 71 |
| Kallriga, norra | PFM000064 | Surface | 37 | 0.0015 | 0.0023 | 0.0044 | 0.021 | 0.18 | 0.022 | 0.04 | 170 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 0.0014 | 0.0027 | 0.0090 | 0.059 | 0.14 | 0.031 | 0.04 | 140 |
| Kallriga, södra | PFM000065 | Surface | 36 | 0.0010 | 0.0019 | 0.0043 | 0.018 | 0.11 | 0.017 | 0.03 | 150 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.0098 | 0.012 | 0.024 | 0.028 | 0.076 | 0.030 | 0.03 | 89 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.0044 | 0.0090 | 0.0093 | 0.011 | 0.024 | 0.012 | 0.008 | 65 |
| Forsmark area | | Surface | 175 | 0.000070 | 0.0015 | 0.0028 | 0.0097 | 0.18 | 0.012 | 0.02 | 200 |
| Forsmark area | | Bottom | 71 | 0.00026 | 0.0017 | 0.0041 | 0.013 | 0.14 | 0.018 | 0.03 | 170 |
| Simpevarp area | | Surface | 163 | 0.00060 | 0.0015 | 0.0035 | 0.020 | 0.18 | 0.019 | 0.03 | 170 |
| Simpevarp area | | Bottom | 160 | 0.00050 | 0.0018 | 0.0087 | 0.039 | 0.56 | 0.039 | 0.07 | 190 |
| Bottenhavet | SMHI:MS4 | Surface | 8 | 0.0013 | 0.0017 | 0.0018 | 0.0026 | 0.0031 | 0.0021 | 0.0007 | 31 |
| Bottenhavet | SMHI:MS4 | Bottom | 9 | 0.0021 | 0.0022 | 0.0027 | 0.0041 | 0.0048 | 0.0031 | 0.0010 | 32 |
| Östersjön | SMHI:BY29 | Surface | 46 | 0.00056 | 0.00098 | 0.0014 | 0.0025 | 0.015 | 0.0028 | 0.004 | 130 |
| Östersjön | SMHI:BY29 | Bottom | 46 | 0.00056 | 0.0012 | 0.0030 | 0.0086 | 0.021 | 0.0057 | 0.006 | 98 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 42 | <0.0005 | 0.0053 | 0.0076 | 0.015 | 0.048 | 0.013 | 0.01 | 94 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | <0.0005 | 0.0093 | 0.016 | 0.032 | 0.14 | 0.026 | 0.03 | 110 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | <0.0005 | 0.042 | 0.11 | 0.21 | 0.67 | 0.15 | 0.1 | 94 |
| Bolundskogen | PFM000069 | Surface | 49 | <0.0005 | 0.0028 | 0.0050 | 0.016 | 0.29 | 0.016 | 0.04 | 260 |
| Kungsträsket | PFM000068 | Surface | 49 | 0.00020 | 0.012 | 0.018 | 0.034 | 0.51 | 0.036 | 0.08 | 210 |
| Lillputtsundet | PFM000067 | Surface | 44 | 0.00070 | 0.013 | 0.020 | 0.030 | 0.28 | 0.039 | 0.06 | 140 |
| Flottbron | PFM000072 | Surface | 40 | <0.0005 | 0.0079 | 0.023 | 0.067 | 1.3 | 0.11 | 0.3 | 250 |
| Söder Bredviken | PFM000073 | Surface | 23 | <0.0005 | 0.0047 | 0.024 | 0.033 | 0.47 | 0.041 | 0.09 | 230 |
| Forsmark area | | Surface | 323 | <0.0005 | 0.0069 | 0.016 | 0.041 | 1.3 | 0.053 | 0.1 | 230 |
| Simpevarp area | | Surface | 564 | <0.0005 | 0.031 | 0.060 | 0.097 | 1.2 | 0.085 | 0.1 | 130 |
| Sweden | N.S.2000 | Surface | 725 | 0.0010 | 0.0060 | 0.018 | 0.048 | 1.4 | 0.042 | 0.10 | 240 |

Surface Water

| NO3-N | | | Nitrogen as nitrate (mg/l) | | | | | | | NO3-N | |
|------------------------|-----------|---------|----------------------------|---------|-------|-----------------|-------|---------|---------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 1 | 0.00030 | | 0.00030 | | 0.00030 | 0.00030 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 4 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.002 | 47 |
| Eckarfjärden | PFM000117 | Surface | 1 | 0.00060 | | 0.00060 | | 0.00060 | 0.00060 | | |
| Bolundsfjärden | PFM000107 | Surface | 2 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.003 | 120 |
| Norra bassängen | PFM000097 | Surface | 4 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.002 | 58 |
| Fiskarfjärden | PFM000127 | Surface | 3 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | | |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.01 | | <0.01 | | <0.01 | <0.01 | | |
| Forsmark area | | Surface | 16 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.002 | 58 |
| Forsmark area | | Bottom | 1 | <0.01 | | <0.01 | | <0.01 | <0.01 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 2 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.003 | 110 |
| SV Forslingens grund | PFM000062 | Bottom | 1 | <0.01 | | <0.01 | | <0.01 | <0.01 | | |
| Tixelfjärden | PFM000063 | Surface | 1 | <0.01 | | <0.01 | | <0.01 | <0.01 | | |
| Tixelfjärden | PFM000063 | Bottom | 2 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | | |
| Kallriga, norra | PFM000064 | Surface | 3 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.003 | 74 |
| Kallriga, norra | PFM000064 | Bottom | 1 | <0.01 | | <0.01 | | <0.01 | <0.01 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.003 | 120 |
| Forsmark area | | Surface | 9 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.002 | 78 |
| Forsmark area | | Bottom | 4 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 3 | <0.01 | <0.01 | <0.01 | 0.027 | 0.048 | 0.019 | 0.03 | 130 |
| Norr Eckarfjärden | PFM000070 | Surface | 1 | 0.0051 | | 0.0051 | | 0.0051 | 0.0051 | | |
| Bolundskogen | PFM000069 | Surface | 1 | 0.0043 | | 0.0043 | | 0.0043 | 0.0043 | | |
| Kungsträsket | PFM000068 | Surface | 1 | 0.034 | | 0.034 | | 0.034 | 0.034 | | |
| Lillputtsundet | PFM000067 | Surface | 1 | 0.0066 | | 0.0066 | | 0.0066 | 0.0066 | | |
| Flottbron | PFM000072 | Surface | 3 | <0.01 | 0.023 | 0.040 | 0.044 | 0.047 | 0.031 | 0.02 | 74 |
| Forsmark area | | Surface | 10 | <0.01 | <0.01 | <0.01 | 0.038 | 0.048 | 0.020 | 0.02 | 98 |

Surface Water

| NO23-N | | Nitrogen as nitrate and nitrite (mg/l) | | | | | | | NO23-N | | |
|------------------------|-----------|--|-------|---------|---------|-----------------|--------|--------|--------|-------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 43 | 0.00020 | 0.00067 | 0.0018 | 0.0095 | 0.097 | 0.0093 | 0.02 | 190 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | <0.0002 | 0.00080 | 0.0017 | 0.0059 | 0.073 | 0.0066 | 0.01 | 200 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 0.00020 | 0.0010 | 0.0020 | 0.0037 | 0.039 | 0.0048 | 0.009 | 200 |
| Eckarfjärden | PFM000117 | Surface | 48 | 0.00060 | 0.0013 | 0.0061 | 0.016 | 0.069 | 0.012 | 0.02 | 130 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 0.00040 | 0.0012 | 0.0096 | 0.016 | 0.028 | 0.011 | 0.01 | 95 |
| Bolundsfjärden | PFM000107 | Surface | 49 | 0.00030 | 0.00090 | 0.0023 | 0.019 | 0.16 | 0.016 | 0.03 | 200 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | 0.00015 | 0.0016 | 0.0037 | 0.023 | 0.14 | 0.017 | 0.03 | 180 |
| Norra bassängen | PFM000097 | Surface | 37 | <0.0002 | 0.0012 | 0.0019 | 0.0049 | 0.092 | 0.012 | 0.02 | 200 |
| Fiskarfjärden | PFM000127 | Surface | 14 | <0.01 | <0.01 | <0.01 | <0.01 | 0.019 | <0.01 | 0.005 | 130 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.001 | 76 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.00020 | 0.00080 | 0.0018 | 0.0068 | 0.26 | 0.020 | 0.06 | 300 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.0013 | | 0.0013 | | 0.0013 | 0.0013 | | |
| Forsmark area | | Surface | 255 | <0.01 | <0.01 | <0.01 | 0.010 | 0.26 | 0.011 | 0.03 | 220 |
| Forsmark area | | Bottom | 75 | <0.01 | <0.01 | <0.01 | 0.011 | 0.14 | <0.01 | 0.02 | 200 |
| Simpevarp area | | Surface | 112 | 0.00040 | 0.045 | 0.12 | 0.21 | 0.43 | 0.14 | 0.1 | 79 |
| Simpevarp area | | Bottom | 112 | 0.00040 | 0.063 | 0.16 | 0.26 | 0.60 | 0.17 | 0.1 | 80 |
| Sweden | N.S.2000 | Surface | 3464 | 0.0010 | 0.0070 | 0.026 | 0.090 | 7.6 | 0.091 | 0.3 | 300 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | 0.00020 | 0.00055 | 0.0019 | 0.018 | 0.11 | 0.016 | 0.03 | 170 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 0.00030 | 0.00048 | 0.0013 | 0.013 | 0.044 | 0.0078 | 0.01 | 150 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.022 | 0.028 | 0.065 | 0.096 | 0.17 | 0.076 | 0.06 | 75 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.022 | 0.032 | 0.049 | 0.060 | 0.076 | 0.048 | 0.02 | 41 |
| Tixelfjärden | PFM000063 | Surface | 41 | <0.0002 | 0.00060 | 0.0016 | 0.042 | 0.57 | 0.050 | 0.1 | 230 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 0.00030 | 0.00090 | 0.0074 | 0.082 | 0.20 | 0.044 | 0.06 | 140 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.0012 | 0.0097 | 0.018 | 0.048 | 0.077 | 0.032 | 0.04 | 120 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.011 | 0.015 | 0.019 | 0.023 | 0.027 | 0.019 | 0.008 | 44 |
| Kallriga, norra | PFM000064 | Surface | 37 | 0.00023 | 0.00080 | 0.0039 | 0.17 | 1.6 | 0.18 | 0.4 | 210 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 0.00040 | 0.0016 | 0.0070 | 0.15 | 0.65 | 0.099 | 0.2 | 180 |
| Kallriga, södra | PFM000065 | Surface | 36 | <0.0002 | 0.00078 | 0.0042 | 0.25 | 1.6 | 0.18 | 0.4 | 210 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.089 | 0.36 | 0.60 | 0.79 | 0.99 | 0.56 | 0.4 | 63 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.035 | 0.096 | 0.15 | 0.15 | 0.35 | 0.16 | 0.1 | 75 |
| Forsmark area | | Surface | 175 | <0.0002 | 0.00074 | 0.0044 | 0.077 | 1.6 | 0.11 | 0.3 | 250 |
| Forsmark area | | Bottom | 71 | 0.00030 | 0.0010 | 0.015 | 0.073 | 0.65 | 0.058 | 0.1 | 180 |
| Simpevarp area | | Surface | 163 | 0.00020 | 0.00040 | 0.0052 | 0.054 | 0.59 | 0.045 | 0.08 | 180 |
| Simpevarp area | | Bottom | 160 | 0.00020 | 0.00070 | 0.018 | 0.061 | 0.28 | 0.043 | 0.06 | 140 |
| Bottenhavet | SMHI:MS4 | Surface | 8 | 0.048 | 0.056 | 0.059 | 0.064 | 0.067 | 0.059 | 0.006 | 10 |
| Bottenhavet | SMHI:MS4 | Bottom | 9 | 0.047 | 0.058 | 0.061 | 0.064 | 0.067 | 0.060 | 0.006 | 9.7 |
| Östersjön | SMHI:BY29 | Surface | 46 | 0.00014 | 0.00028 | 0.00056 | 0.043 | 0.079 | 0.018 | 0.03 | 140 |
| Östersjön | SMHI:BY29 | Bottom | 46 | 0.00028 | 0.0021 | 0.012 | 0.049 | 0.078 | 0.025 | 0.03 | 100 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 42 | 0.0014 | 0.0031 | 0.0066 | 0.014 | 0.33 | 0.028 | 0.07 | 240 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 0.0015 | 0.010 | 0.026 | 0.096 | 0.53 | 0.089 | 0.1 | 140 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | 0.0027 | 0.0097 | 0.022 | 0.046 | 0.28 | 0.038 | 0.05 | 140 |
| Bolundskogen | PFM000069 | Surface | 49 | 0.00050 | 0.0028 | 0.0062 | 0.016 | 0.18 | 0.018 | 0.03 | 180 |
| Kungsträsket | PFM000068 | Surface | 49 | 0.00040 | 0.012 | 0.030 | 0.059 | 0.41 | 0.049 | 0.07 | 140 |
| Lillputtsundet | PFM000067 | Surface | 44 | 0.00080 | 0.0024 | 0.0049 | 0.022 | 0.082 | 0.014 | 0.02 | 130 |
| Flottbron | PFM000072 | Surface | 40 | 0.00030 | 0.0037 | 0.0072 | 0.048 | 1.9 | 0.072 | 0.3 | 410 |
| Söder Bredviken | PFM000073 | Surface | 23 | 0.0058 | 0.045 | 1.3 | 2.1 | 5.5 | 1.5 | 2 | 110 |
| Forsmark area | | Surface | 323 | 0.00030 | 0.0044 | 0.014 | 0.047 | 5.5 | 0.15 | 0.6 | 400 |
| Simpevarp area | | Surface | 564 | 0.0021 | 0.11 | 0.19 | 0.30 | 3.5 | 0.30 | 0.4 | 130 |
| Sweden | N.S.2000 | Surface | 725 | 0.0010 | 0.016 | 0.074 | 0.29 | 14 | 0.50 | 1 | 250 |

Surface Water

| PON | | Particulate organic nitrogen (mg/l) | | | | | | | | | PON |
|------------------------|-----------|-------------------------------------|-------|--------|-------|--------------|-------|-------|-------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 43 | 0.0078 | 0.021 | 0.030 | 0.044 | 0.087 | 0.034 | 0.02 | 53 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 40 | 0.0080 | 0.027 | 0.042 | 0.052 | 0.074 | 0.040 | 0.02 | 45 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 20 | 0.026 | 0.035 | 0.044 | 0.052 | 0.091 | 0.047 | 0.02 | 40 |
| Eckarfjärden | PFM000117 | Surface | 47 | 0.018 | 0.047 | 0.061 | 0.078 | 0.12 | 0.062 | 0.02 | 35 |
| Eckarfjärden | PFM000117 | Bottom | 19 | 0.033 | 0.044 | 0.057 | 0.068 | 0.097 | 0.057 | 0.02 | 29 |
| Bolundsfjärden | PFM000107 | Surface | 47 | 0.011 | 0.033 | 0.051 | 0.067 | 0.30 | 0.064 | 0.05 | 79 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 0.023 | 0.036 | 0.043 | 0.067 | 0.13 | 0.053 | 0.03 | 51 |
| Norra bassängen | PFM000097 | Surface | 36 | 0.030 | 0.039 | 0.051 | 0.062 | 0.089 | 0.053 | 0.02 | 30 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 0.060 | 0.10 | 0.17 | 0.26 | 0.69 | 0.21 | 0.2 | 78 |
| Fiskarfjärden | PFM000127 | Bottom | 8 | 0.072 | 0.12 | 0.15 | 0.17 | 0.26 | 0.15 | 0.06 | 38 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.045 | 0.064 | 0.088 | 0.098 | 0.74 | 0.12 | 0.2 | 130 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.096 | | 0.096 | | 0.096 | 0.096 | | |
| Forsmark area | | Surface | 249 | 0.0078 | 0.035 | 0.050 | 0.069 | 0.74 | 0.065 | 0.07 | 110 |
| Forsmark area | | Bottom | 69 | 0.023 | 0.038 | 0.050 | 0.074 | 0.26 | 0.065 | 0.04 | 66 |
| Simpevarp area | | Surface | 112 | 0.0084 | 0.048 | 0.081 | 0.11 | 0.28 | 0.087 | 0.05 | 60 |
| Simpevarp area | | Bottom | 111 | 0.024 | 0.051 | 0.082 | 0.12 | 0.27 | 0.095 | 0.06 | 59 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 41 | 0.016 | 0.031 | 0.038 | 0.045 | 0.066 | 0.038 | 0.01 | 29 |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 0.020 | 0.031 | 0.035 | 0.046 | 0.074 | 0.039 | 0.01 | 34 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.014 | 0.024 | 0.035 | 0.059 | 0.16 | 0.051 | 0.05 | 92 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.011 | 0.019 | 0.033 | 0.046 | 0.063 | 0.034 | 0.02 | 54 |
| Tixelfjärden | PFM000063 | Surface | 40 | 0.014 | 0.043 | 0.057 | 0.067 | 0.15 | 0.057 | 0.03 | 48 |
| Tixelfjärden | PFM000063 | Bottom | 20 | 0.016 | 0.027 | 0.052 | 0.067 | 0.088 | 0.049 | 0.02 | 47 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.038 | 0.048 | 0.059 | 0.068 | 0.077 | 0.058 | 0.02 | 34 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.040 | 0.051 | 0.062 | 0.065 | 0.068 | 0.057 | 0.01 | 26 |
| Kallriga, norra | PFM000064 | Surface | 36 | 0.026 | 0.072 | 0.11 | 0.13 | 0.32 | 0.12 | 0.07 | 57 |
| Kallriga, norra | PFM000064 | Bottom | 18 | 0.030 | 0.055 | 0.10 | 0.12 | 0.20 | 0.099 | 0.05 | 54 |
| Kallriga, södra | PFM000065 | Surface | 35 | 0.031 | 0.058 | 0.076 | 0.10 | 0.16 | 0.083 | 0.03 | 41 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.071 | 0.085 | 0.087 | 0.091 | 0.12 | 0.091 | 0.02 | 22 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.035 | 0.039 | 0.043 | 0.090 | 0.099 | 0.061 | 0.03 | 50 |
| Forsmark area | | Surface | 170 | 0.014 | 0.039 | 0.059 | 0.093 | 0.32 | 0.071 | 0.05 | 67 |
| Forsmark area | | Bottom | 68 | 0.011 | 0.034 | 0.048 | 0.074 | 0.20 | 0.060 | 0.04 | 67 |
| Simpevarp area | | Surface | 158 | 0.0053 | 0.021 | 0.041 | 0.076 | 0.22 | 0.055 | 0.04 | 80 |
| Simpevarp area | | Bottom | 157 | 0.0051 | 0.017 | 0.035 | 0.067 | 0.24 | 0.050 | 0.04 | 88 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 0.0030 | 0.020 | 0.027 | 0.033 | 0.089 | 0.029 | 0.02 | 54 |
| Söder Eckarfjärden | PFM000071 | Surface | 32 | 0.0087 | 0.017 | 0.026 | 0.037 | 0.13 | 0.035 | 0.03 | 82 |
| Norr Eckarfjärden | PFM000070 | Surface | 42 | 0.012 | 0.027 | 0.040 | 0.051 | 0.15 | 0.044 | 0.02 | 56 |
| Bolundskogen | PFM000069 | Surface | 47 | 0.018 | 0.024 | 0.029 | 0.041 | 0.13 | 0.035 | 0.02 | 55 |
| Kungsträsket | PFM000068 | Surface | 47 | 0.018 | 0.026 | 0.034 | 0.049 | 0.13 | 0.039 | 0.02 | 50 |
| Lillputtsundet | PFM000067 | Surface | 41 | 0.028 | 0.040 | 0.056 | 0.086 | 0.25 | 0.069 | 0.04 | 63 |
| Flottbron | PFM000072 | Surface | 39 | 0.015 | 0.045 | 0.071 | 0.11 | 0.28 | 0.090 | 0.06 | 71 |
| Söder Bredviken | PFM000073 | Surface | 22 | 0.017 | 0.025 | 0.040 | 0.060 | 0.27 | 0.061 | 0.06 | 100 |
| Forsmark area | | Surface | 311 | 0.0030 | 0.025 | 0.037 | 0.056 | 0.28 | 0.049 | 0.04 | 84 |
| Simpevarp area | | Surface | 562 | 0.0087 | 0.060 | 0.099 | 0.16 | 1.6 | 0.14 | 0.1 | 110 |

Surface Water

| O2 (lab + field) | | | Oxygen (lab + field) (mg/l) | | | | | | O2 (lab + field) | | |
|------------------------|-----------|---------|-----------------------------|-------|------|-------------|------|------|------------------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 43 | 0.10 | 4.8 | 8.4 | 11 | 16 | 8.0 | 4 | 50 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 39 | 0.10 | 8.3 | 11 | 12 | 15 | 9.6 | 4 | 41 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 0.10 | 1.4 | 9.9 | 12 | 14 | 7.6 | 5 | 69 |
| Eckarfjärden | PFM000117 | Surface | 45 | 0.75 | 9.5 | 11 | 12 | 14 | 9.5 | 4 | 38 |
| Eckarfjärden | PFM000117 | Bottom | 23 | 0.10 | 2.0 | 9.9 | 11 | 14 | 7.1 | 5 | 70 |
| Bolundsfjärden | PFM000107 | Surface | 50 | 0.70 | 5.5 | 11 | 12 | 13 | 9.2 | 4 | 43 |
| Bolundsfjärden | PFM000107 | Bottom | 23 | 0.12 | 2.5 | 10 | 11 | 13 | 7.2 | 5 | 66 |
| Norra bassängen | PFM000097 | Surface | 34 | 0.10 | 5.1 | 11 | 13 | 15 | 9.3 | 5 | 53 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 10 | 12 | 12 | 13 | 14 | 12 | 1.0 | 7.7 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 11 | 12 | 12 | 13 | 14 | 12 | 1.0 | 7.9 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.10 | 4.9 | 11 | 13 | 15 | 8.9 | 5 | 59 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Forsmark area | | Surface | 247 | 0.10 | 6.7 | 11 | 12 | 16 | 9.2 | 4 | 44 |
| Forsmark area | | Bottom | 78 | 0.10 | 2.3 | 10 | 12 | 14 | 7.8 | 5 | 64 |
| Simpevarp area | | Surface | 112 | 6.0 | 8.8 | 9.8 | 11 | 14 | 9.9 | 2 | 16 |
| Simpevarp area | | Bottom | 112 | 0.15 | 4.0 | 6.8 | 9.6 | 13 | 6.5 | 4 | 55 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 9.1 | 11 | 12 | 13 | 16 | 12 | 2 | 14 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 9.5 | 10 | 12 | 13 | 15 | 12 | 2 | 15 |
| Alt. SV Forslingen | PFM000082 | Surface | 9 | 13 | 14 | 14 | 15 | 15 | 14 | 0.5 | 3.8 |
| Alt. SV Forslingen | PFM000082 | Bottom | 9 | 13 | 14 | 14 | 15 | 15 | 14 | 0.6 | 4.5 |
| Tixelfjärden | PFM000063 | Surface | 40 | 9.2 | 11 | 12 | 13 | 14 | 12 | 1 | 11 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 3.3 | 9.7 | 11 | 13 | 14 | 11 | 2 | 21 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 13 | 14 | 15 | 15 | 15 | 14 | 0.8 | 5.3 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 14 | 14 | 15 | 15 | 15 | 14 | 0.8 | 5.7 |
| Kallriga, norra | PFM000064 | Surface | 35 | 6.6 | 10 | 11 | 12 | 14 | 11 | 1 | 14 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 6.1 | 10 | 11 | 12 | 13 | 11 | 2 | 20 |
| Kallriga, södra | PFM000065 | Surface | 35 | 8.8 | 10 | 11 | 12 | 13 | 11 | 1 | 11 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 10 | 11 | 11 | 12 | 14 | 12 | 1 | 11 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 12 | 13 | 13 | 13 | 14 | 13 | 0.6 | 4.6 |
| Forsmark area | | Surface | 171 | 6.6 | 11 | 12 | 13 | 16 | 12 | 2 | 13 |
| Forsmark area | | Bottom | 72 | 3.3 | 10 | 12 | 13 | 15 | 12 | 2 | 19 |
| Simpevarp area | | Surface | 156 | 5.8 | 10 | 11 | 12 | 15 | 11 | 2 | 15 |
| Simpevarp area | | Bottom | 157 | 0.50 | 7.7 | 11 | 12 | 15 | 9.3 | 4 | 38 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 0.53 | 4.3 | 6.1 | 7.2 | 9.4 | 5.6 | 2 | 37 |
| Söder Eckarfjärden | PFM000071 | Surface | 32 | 2.1 | 7.0 | 8.2 | 9.5 | 11 | 7.9 | 2 | 27 |
| Norr Eckarfjärden | PFM000070 | Surface | 42 | 0.10 | 6.0 | 7.1 | 9.9 | 12 | 7.6 | 3 | 37 |
| Bolundskogen | PFM000069 | Surface | 48 | 0.32 | 3.0 | 5.2 | 7.0 | 10 | 4.8 | 3 | 54 |
| Kungsträsket | PFM000068 | Surface | 48 | 1.6 | 5.0 | 6.1 | 7.4 | 10 | 6.2 | 2 | 29 |
| Lillputtsundet | PFM000067 | Surface | 41 | 1.9 | 8.1 | 10 | 11 | 13 | 9.2 | 3 | 36 |
| Flottbron | PFM000072 | Surface | 37 | 0.10 | 0.90 | 3.7 | 5.3 | 9.5 | 3.3 | 3 | 79 |
| Söder Bredviken | PFM000073 | Surface | 21 | 7.1 | 8.7 | 9.9 | 11 | 13 | 9.9 | 2 | 16 |
| Forsmark area | | Surface | 310 | 0.10 | 4.5 | 6.8 | 8.7 | 13 | 6.6 | 3 | 48 |
| Simpevarp area | | Surface | 533 | 0.060 | 7.7 | 9.5 | 11 | 17 | 9.2 | 3 | 30 |

Surface Water

| O-18 | | | Oxygen-18 (dev. SMOW) | | | | | | | | O-18 |
|------------------------|-----------|---------|-----------------------|-------|-------|--------------|-------|-------|-------|-------|-------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | -12.7 | -11.2 | -9.60 | -9.20 | -7.90 | -10.1 | 1.5 | -15 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 8 | -12.7 | -10.8 | -9.55 | -8.68 | -7.50 | -9.83 | 1.7 | -18 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 7 | -12.0 | -11.2 | -9.80 | -8.80 | -7.50 | -9.90 | 1.7 | -17 |
| Eckarfjärden | PFM000117 | Surface | 8 | -9.80 | -8.20 | -7.10 | -6.63 | -6.00 | -7.49 | 1.3 | -17 |
| Eckarfjärden | PFM000117 | Bottom | 4 | -9.80 | -7.85 | -7.10 | -6.95 | -6.80 | -7.70 | 1.4 | -18 |
| Bolundsfjärden | PFM000107 | Surface | 9 | -11.3 | -10.8 | -6.80 | -6.30 | -5.40 | -8.12 | 2.4 | -30 |
| Bolundsfjärden | PFM000107 | Bottom | 5 | -10.8 | -10.1 | -8.40 | -6.70 | -6.40 | -8.48 | 2.0 | -23 |
| Norra bassängen | PFM000097 | Surface | 8 | -11.7 | -9.65 | -8.40 | -5.98 | -5.10 | -8.19 | 2.4 | -29 |
| Fiskarfjärden | PFM000127 | Surface | 3 | -5.00 | -4.95 | -4.90 | -4.70 | -4.50 | -4.80 | 0.26 | -5.5 |
| Fiskarfjärden | PFM000127 | Bottom | 3 | -8.10 | -6.50 | -4.90 | -4.75 | -4.60 | -5.87 | 1.9 | -33 |
| Fiskarfjärden | PFM000135 | Surface | 3 | -10.2 | -9.05 | -7.90 | -7.55 | -7.20 | -8.43 | 1.6 | -19 |
| Forsmark area | | Surface | 50 | -12.7 | -10.1 | -8.85 | -6.73 | -4.50 | -8.59 | 2.2 | -26 |
| Forsmark area | | Bottom | 19 | -12.0 | -9.95 | -8.20 | -6.90 | -4.60 | -8.43 | 2.1 | -25 |
| Simpevarp area | | Surface | 10 | -9.60 | -9.10 | -8.30 | -7.95 | -6.70 | -8.33 | 0.92 | -11 |
| Simpevarp area | | Bottom | 10 | -9.30 | -8.85 | -8.25 | -7.93 | -7.10 | -8.27 | 0.73 | -8.8 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | -8.50 | -8.30 | -8.15 | -8.10 | -4.50 | -7.76 | 1.3 | -17 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | -8.50 | -8.35 | -8.20 | -7.95 | -7.70 | -8.13 | 0.40 | -5.0 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | -8.30 | -8.28 | -8.25 | -8.23 | -8.20 | -8.25 | 0.071 | -0.86 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | -8.30 | -8.28 | -8.25 | -8.23 | -8.20 | -8.25 | 0.071 | -0.86 |
| Tixelfjärden | PFM000063 | Surface | 8 | -8.50 | -8.50 | -8.25 | -8.10 | -7.80 | -8.25 | 0.25 | -3.0 |
| Tixelfjärden | PFM000063 | Bottom | 5 | -8.50 | -8.50 | -8.40 | -8.10 | -8.00 | -8.30 | 0.23 | -2.8 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | -8.20 | | -8.20 | | -8.20 | -8.20 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | -8.10 | | -8.10 | | -8.10 | -8.10 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | -11.7 | -8.85 | -8.00 | -7.95 | -7.60 | -8.70 | 1.4 | -17 |
| Kallriga, norra | PFM000064 | Bottom | 4 | -8.70 | -8.18 | -7.90 | -7.75 | -7.60 | -8.03 | 0.48 | -6.0 |
| Kallriga, södra | PFM000065 | Surface | 9 | -11.2 | -9.80 | -8.40 | -8.10 | -7.90 | -8.92 | 1.1 | -12 |
| Alt. Kallriga | PFM000084 | Surface | 1 | -11.0 | | -11.0 | | -11.0 | -11.0 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | -11.0 | | -11.0 | | -11.0 | -11.0 | | |
| Forsmark area | | Surface | 37 | -11.7 | -8.50 | -8.20 | -8.10 | -4.50 | -8.46 | 1.2 | -14 |
| Forsmark area | | Bottom | 17 | -11.0 | -8.50 | -8.20 | -8.00 | -7.60 | -8.34 | 0.75 | -9.0 |
| Simpevarp area | | Surface | 28 | -9.70 | -8.30 | -7.10 | -6.98 | -6.80 | -7.58 | 0.85 | -11 |
| Simpevarp area | | Bottom | 28 | -8.80 | -7.20 | -7.10 | -6.90 | -6.70 | -7.21 | 0.51 | -7.0 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 9 | -12.7 | -11.7 | -10.7 | -9.50 | -8.30 | -10.6 | 1.4 | -13 |
| Söder Eckarfjärden | PFM000071 | Surface | 4 | -12.6 | -12.2 | -11.8 | -11.4 | -11.2 | -11.8 | 0.64 | -5.5 |
| Norr Eckarfjärden | PFM000070 | Surface | 9 | -9.70 | -9.60 | -7.60 | -7.40 | -6.90 | -8.24 | 1.2 | -14 |
| Bolundskogen | PFM000069 | Surface | 7 | -12.1 | -11.1 | -10.3 | -10.0 | -9.70 | -10.6 | 0.93 | -8.7 |
| Kungsträsket | PFM000068 | Surface | 10 | -11.2 | -10.9 | -10.5 | -9.63 | -8.80 | -10.2 | 0.80 | -7.8 |
| Lillputtsundet | PFM000067 | Surface | 10 | -10.8 | -8.80 | -6.85 | -6.03 | -5.50 | -7.54 | 2.0 | -27 |
| Flottbron | PFM000072 | Surface | 9 | -10.1 | -9.20 | -8.40 | -6.70 | -5.60 | -8.04 | 1.6 | -20 |
| Söder Bredviken | PFM000073 | Surface | 3 | -12.2 | -12.2 | -12.1 | -12.0 | -11.9 | -12.1 | 0.15 | -1.3 |
| Forsmark area | | Surface | 61 | -12.7 | -10.9 | -9.70 | -8.30 | -5.50 | -9.46 | 2.0 | -21 |
| Simpevarp area | | Surface | 82 | -11.7 | -11.3 | -10.8 | -10.4 | -8.70 | -10.7 | 0.72 | -6.7 |

Surface Water

| POP | | Particulate organic phosphorus (mg/l) | | | | | | | | POP | |
|------------------------|-----------|---------------------------------------|-------|---------|--------|---------------|--------|--------|--------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 44 | 0.0010 | 0.0025 | 0.0037 | 0.0044 | 0.0088 | 0.0035 | 0.002 | 44 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 0.0019 | 0.0031 | 0.0043 | 0.0052 | 0.0095 | 0.0045 | 0.002 | 41 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 0.0030 | 0.0038 | 0.0047 | 0.0067 | 0.012 | 0.0056 | 0.002 | 42 |
| Eckarfjärden | PFM000117 | Surface | 46 | 0.0027 | 0.0034 | 0.0040 | 0.0052 | 0.0069 | 0.0043 | 0.001 | 26 |
| Eckarfjärden | PFM000117 | Bottom | 20 | 0.0029 | 0.0035 | 0.0043 | 0.0050 | 0.0089 | 0.0046 | 0.001 | 32 |
| Bolundsfjärden | PFM000107 | Surface | 49 | 0.0022 | 0.0042 | 0.0053 | 0.0067 | 0.018 | 0.0059 | 0.003 | 49 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | 0.0035 | 0.0042 | 0.0051 | 0.0061 | 0.0089 | 0.0054 | 0.001 | 26 |
| Norra bassängen | PFM000097 | Surface | 37 | 0.0026 | 0.0045 | 0.0056 | 0.0065 | 0.010 | 0.0057 | 0.002 | 29 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 0.0064 | 0.0087 | 0.013 | 0.016 | 0.034 | 0.014 | 0.007 | 51 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.0054 | 0.011 | 0.012 | 0.013 | 0.015 | 0.011 | 0.003 | 28 |
| Fiskarfjärden | PFM000135 | Surface | 18 | 0.0039 | 0.0060 | 0.0089 | 0.011 | 0.036 | 0.010 | 0.007 | 70 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.0093 | | 0.0093 | | 0.0093 | 0.0093 | | |
| Forsmark area | | Surface | 253 | 0.0010 | 0.0036 | 0.0047 | 0.0065 | 0.036 | 0.0057 | 0.004 | 70 |
| Forsmark area | | Bottom | 74 | 0.0029 | 0.0040 | 0.0050 | 0.0068 | 0.015 | 0.0060 | 0.003 | 47 |
| Simpevarp area | | Surface | 111 | 0.0023 | 0.0064 | 0.0092 | 0.012 | 0.028 | 0.0097 | 0.005 | 49 |
| Simpevarp area | | Bottom | 110 | 0.0020 | 0.0080 | 0.011 | 0.015 | 0.034 | 0.012 | 0.006 | 50 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 0.0029 | 0.0047 | 0.0053 | 0.0060 | 0.013 | 0.0056 | 0.002 | 33 |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 0.0030 | 0.0043 | 0.0056 | 0.0066 | 0.0079 | 0.0055 | 0.001 | 27 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.0019 | 0.0051 | 0.0067 | 0.0078 | 0.031 | 0.0091 | 0.009 | 100 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.0016 | 0.0045 | 0.0057 | 0.0075 | 0.012 | 0.0062 | 0.003 | 50 |
| Tixelfjärden | PFM000063 | Surface | 39 | 0.0014 | 0.0065 | 0.0079 | 0.010 | 0.019 | 0.0083 | 0.003 | 42 |
| Tixelfjärden | PFM000063 | Bottom | 20 | 0.0029 | 0.0050 | 0.0080 | 0.012 | 0.017 | 0.0084 | 0.004 | 49 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.0060 | 0.0063 | 0.0066 | 0.0096 | 0.013 | 0.0084 | 0.004 | 43 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.0070 | 0.0073 | 0.0075 | 0.0091 | 0.011 | 0.0084 | 0.002 | 24 |
| Kallriga, norra | PFM000064 | Surface | 36 | 0.0054 | 0.011 | 0.015 | 0.018 | 0.046 | 0.016 | 0.008 | 50 |
| Kallriga, norra | PFM000064 | Bottom | 18 | 0.0061 | 0.0094 | 0.014 | 0.018 | 0.034 | 0.015 | 0.007 | 48 |
| Kallriga, södra | PFM000065 | Surface | 36 | 0.0071 | 0.0084 | 0.012 | 0.015 | 0.025 | 0.013 | 0.005 | 37 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.019 | 0.021 | 0.021 | 0.022 | 0.025 | 0.022 | 0.002 | 11 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.0068 | 0.0074 | 0.010 | 0.018 | 0.022 | 0.013 | 0.007 | 54 |
| Forsmark area | | Surface | 171 | 0.0014 | 0.0059 | 0.0086 | 0.014 | 0.046 | 0.011 | 0.007 | 62 |
| Forsmark area | | Bottom | 68 | 0.0016 | 0.0055 | 0.0076 | 0.012 | 0.034 | 0.0095 | 0.006 | 62 |
| Simpevarp area | | Surface | 160 | 0.00050 | 0.0037 | 0.0069 | 0.011 | 0.024 | 0.0075 | 0.005 | 64 |
| Simpevarp area | | Bottom | 157 | 0.0010 | 0.0030 | 0.0067 | 0.012 | 0.16 | 0.011 | 0.02 | 170 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 0.0012 | 0.0030 | 0.0046 | 0.0057 | 0.013 | 0.0048 | 0.003 | 54 |
| Söder Eckarfjärden | PFM000071 | Surface | 32 | 0.0015 | 0.0033 | 0.0055 | 0.012 | 0.062 | 0.010 | 0.01 | 120 |
| Norr Eckarfjärden | PFM000070 | Surface | 42 | 0.0023 | 0.0030 | 0.0042 | 0.0056 | 0.015 | 0.0049 | 0.003 | 57 |
| Bolundskogen | PFM000069 | Surface | 47 | 0.0013 | 0.0034 | 0.0049 | 0.0058 | 0.013 | 0.0050 | 0.002 | 44 |
| Kungsträsket | PFM000068 | Surface | 47 | 0.0024 | 0.0040 | 0.0048 | 0.0062 | 0.016 | 0.0054 | 0.002 | 45 |
| Lillputtsundet | PFM000067 | Surface | 43 | 0.0030 | 0.0046 | 0.0063 | 0.0088 | 0.037 | 0.0074 | 0.005 | 71 |
| Flottbron | PFM000072 | Surface | 38 | 0.0028 | 0.0073 | 0.011 | 0.020 | 0.074 | 0.017 | 0.01 | 89 |
| Söder Bredviken | PFM000073 | Surface | 22 | 0.0042 | 0.0070 | 0.011 | 0.025 | 0.14 | 0.022 | 0.03 | 140 |
| Forsmark area | | Surface | 312 | 0.0012 | 0.0039 | 0.0053 | 0.0082 | 0.14 | 0.0086 | 0.01 | 140 |
| Simpevarp area | | Surface | 561 | 0.00060 | 0.0097 | 0.016 | 0.026 | 0.25 | 0.022 | 0.02 | 100 |

Surface Water

| PO4-P | | Phosphorus as phosphate (mg/l) | | | | | | | PO4-P | | |
|------------------------|-----------|--------------------------------|-------|---------|---------|------------------|--------|---------|---------|--------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 43 | <0.0005 | <0.0005 | 0.00070 | 0.0016 | 0.0037 | 0.00095 | 0.0008 | 84 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | <0.0005 | 0.00050 | 0.00090 | 0.0019 | 0.0052 | 0.0013 | 0.001 | 81 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | <0.0005 | 0.00065 | 0.0019 | 0.0023 | 0.0040 | 0.0017 | 0.001 | 64 |
| Eckarfjärden | PFM000117 | Surface | 48 | <0.0005 | 0.00068 | 0.00090 | 0.0014 | 0.0042 | 0.0011 | 0.0008 | 69 |
| Eckarfjärden | PFM000117 | Bottom | 21 | <0.0005 | 0.00087 | 0.0012 | 0.0015 | 0.0030 | 0.0013 | 0.0008 | 59 |
| Bolundsfjärden | PFM000107 | Surface | 49 | <0.0005 | 0.00050 | 0.00090 | 0.0013 | 0.0030 | 0.00099 | 0.0006 | 59 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | <0.0005 | 0.00063 | 0.0011 | 0.0015 | 0.0028 | 0.0012 | 0.0007 | 60 |
| Norra bassängen | PFM000097 | Surface | 37 | <0.0005 | 0.00090 | 0.0013 | 0.0019 | 0.0047 | 0.0015 | 0.001 | 70 |
| Fiskarfjärden | PFM000127 | Surface | 14 | <0.0005 | 0.0017 | 0.0020 | 0.0030 | 0.0036 | 0.0021 | 0.001 | 53 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.00060 | 0.0018 | 0.0019 | 0.0023 | 0.0032 | 0.0020 | 0.0007 | 36 |
| Fiskarfjärden | PFM000135 | Surface | 19 | <0.0005 | 0.00070 | 0.0019 | 0.0024 | 0.0036 | 0.0017 | 0.001 | 59 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.00060 | | 0.00060 | | 0.00060 | 0.00060 | | |
| Forsmark area | | Surface | 255 | <0.001 | <0.001 | 0.0010 | 0.0018 | 0.0052 | 0.0013 | 0.0009 | 73 |
| Forsmark area | | Bottom | 75 | <0.001 | <0.001 | 0.0014 | 0.0020 | 0.0040 | 0.0014 | 0.0009 | 61 |
| Simpevarp area | | Surface | 112 | <0.0005 | 0.00050 | 0.00080 | 0.0012 | 0.0050 | 0.00099 | 0.0008 | 78 |
| Simpevarp area | | Bottom | 112 | <0.0005 | 0.00070 | 0.0011 | 0.0020 | 0.0058 | 0.0014 | 0.001 | 75 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | <0.0005 | <0.0005 | 0.00080 | 0.0012 | 0.0061 | 0.0012 | 0.001 | 120 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | <0.0005 | 0.00068 | 0.0010 | 0.0013 | 0.0041 | 0.0012 | 0.0010 | 81 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | <0.0005 | 0.00068 | 0.0011 | 0.0044 | 0.0054 | 0.0023 | 0.002 | 95 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.00060 | 0.00093 | 0.0030 | 0.0045 | 0.0088 | 0.0033 | 0.003 | 86 |
| Tixelfjärden | PFM000063 | Surface | 41 | <0.0005 | 0.00060 | 0.00088 | 0.0016 | 0.0080 | 0.0015 | 0.002 | 100 |
| Tixelfjärden | PFM000063 | Bottom | 21 | <0.0005 | 0.0012 | 0.0018 | 0.0024 | 0.0049 | 0.0021 | 0.001 | 68 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0010 | <0.001 | 0.0004 | 76 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | 0.0001 | 34 |
| Kallriga, norra | PFM000064 | Surface | 37 | <0.0005 | 0.0010 | 0.0014 | 0.0024 | 0.012 | 0.0020 | 0.002 | 99 |
| Kallriga, norra | PFM000064 | Bottom | 19 | <0.0005 | 0.0011 | 0.0016 | 0.0021 | 0.0045 | 0.0019 | 0.001 | 61 |
| Kallriga, södra | PFM000065 | Surface | 36 | <0.0005 | 0.0010 | 0.0014 | 0.0020 | 0.013 | 0.0021 | 0.002 | 110 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.0011 | 0.0039 | 0.0040 | 0.0042 | 0.012 | 0.0049 | 0.004 | 79 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.00090 | 0.0013 | 0.0030 | 0.0053 | 0.0066 | 0.0034 | 0.002 | 73 |
| Forsmark area | | Surface | 175 | <0.001 | <0.001 | 0.0011 | 0.0020 | 0.013 | 0.0018 | 0.002 | 110 |
| Forsmark area | | Bottom | 71 | <0.001 | <0.001 | 0.0014 | 0.0024 | 0.0088 | 0.0020 | 0.002 | 85 |
| Simpevarp area | | Surface | 163 | <0.0005 | 0.0017 | 0.0055 | 0.011 | 0.035 | 0.0075 | 0.007 | 89 |
| Simpevarp area | | Bottom | 160 | 0.00050 | 0.0033 | 0.010 | 0.016 | 0.18 | 0.013 | 0.02 | 150 |
| Bottenhavet | SMHI:MS4 | Surface | 8 | 0.0040 | 0.0061 | 0.0071 | 0.0083 | 0.0093 | 0.0071 | 0.002 | 25 |
| Bottenhavet | SMHI:MS4 | Bottom | 9 | 0.0053 | 0.0071 | 0.0087 | 0.0093 | 0.011 | 0.0084 | 0.002 | 20 |
| Östersjön | SMHI:BY29 | Surface | 45 | 0.00062 | 0.00093 | 0.0050 | 0.015 | 0.021 | 0.0078 | 0.007 | 96 |
| Östersjön | SMHI:BY29 | Bottom | 46 | 0.0053 | 0.011 | 0.014 | 0.019 | 0.028 | 0.015 | 0.005 | 35 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 42 | <0.001 | <0.001 | <0.001 | 0.0016 | 0.0046 | 0.0012 | 0.001 | 83 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | <0.0005 | 0.0063 | 0.011 | 0.016 | 0.062 | 0.013 | 0.01 | 92 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | <0.001 | <0.001 | <0.001 | 0.0017 | 0.0030 | 0.0011 | 0.0008 | 74 |
| Bolundskogen | PFM000069 | Surface | 49 | <0.0005 | 0.00080 | 0.0014 | 0.0037 | 0.049 | 0.0032 | 0.007 | 220 |
| Kungsträsket | PFM000068 | Surface | 49 | <0.001 | <0.001 | 0.0013 | 0.0025 | 0.026 | 0.0024 | 0.004 | 160 |
| Lillputtsundet | PFM000067 | Surface | 44 | <0.001 | <0.001 | 0.0012 | 0.0021 | 0.0054 | 0.0015 | 0.001 | 74 |
| Flottbron | PFM000072 | Surface | 40 | <0.001 | 0.0022 | 0.0047 | 0.015 | 0.15 | 0.016 | 0.03 | 180 |
| Söder Bredviken | PFM000073 | Surface | 23 | 0.0013 | 0.011 | 0.023 | 0.033 | 0.15 | 0.032 | 0.03 | 100 |
| Forsmark area | | Surface | 323 | <0.001 | <0.001 | 0.0017 | 0.0048 | 0.15 | 0.0070 | 0.02 | 240 |
| Simpevarp area | | Surface | 564 | 0.00050 | 0.0037 | 0.0061 | 0.0100 | 0.073 | 0.0082 | 0.008 | 93 |

Surface Water

| tot-P | | | Phosphorus- total (mg/l) | | | | | | | | tot-P |
|------------------------|-----------|---------|--------------------------|--------|--------|---------------|--------|-------|--------|-------|-------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 43 | 0.0044 | 0.0066 | 0.0084 | 0.010 | 0.016 | 0.0085 | 0.003 | 30 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 40 | 0.0062 | 0.0079 | 0.010 | 0.012 | 0.019 | 0.010 | 0.003 | 30 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 21 | 0.0074 | 0.0089 | 0.0098 | 0.012 | 0.023 | 0.011 | 0.004 | 33 |
| Eckarfjärden | PFM000117 | Surface | 47 | 0.0059 | 0.0077 | 0.0088 | 0.0096 | 0.014 | 0.0088 | 0.002 | 18 |
| Eckarfjärden | PFM000117 | Bottom | 20 | 0.0069 | 0.0083 | 0.0093 | 0.0099 | 0.012 | 0.0092 | 0.001 | 13 |
| Bolundsfjärden | PFM000107 | Surface | 48 | 0.0060 | 0.0098 | 0.011 | 0.014 | 0.021 | 0.012 | 0.003 | 27 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 0.0067 | 0.011 | 0.013 | 0.014 | 0.017 | 0.012 | 0.003 | 23 |
| Norra bassängen | PFM000097 | Surface | 36 | 0.0080 | 0.012 | 0.013 | 0.015 | 0.026 | 0.014 | 0.003 | 25 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 0.014 | 0.017 | 0.021 | 0.025 | 0.038 | 0.022 | 0.007 | 33 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.015 | 0.019 | 0.021 | 0.024 | 0.030 | 0.022 | 0.005 | 21 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.010 | 0.015 | 0.018 | 0.020 | 0.039 | 0.018 | 0.006 | 35 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.021 | | 0.021 | | 0.021 | 0.021 | | |
| Forsmark area | | Surface | 250 | 0.0044 | 0.0084 | 0.010 | 0.014 | 0.039 | 0.012 | 0.005 | 44 |
| Forsmark area | | Bottom | 72 | 0.0067 | 0.0090 | 0.011 | 0.015 | 0.030 | 0.012 | 0.005 | 39 |
| Simpevarp area | | Surface | 112 | 0.0054 | 0.015 | 0.018 | 0.023 | 0.043 | 0.019 | 0.008 | 40 |
| Simpevarp area | | Bottom | 112 | 0.0078 | 0.017 | 0.021 | 0.025 | 0.052 | 0.021 | 0.008 | 37 |
| Sweden | N.S.2000 | Surface | 3464 | 0.0010 | 0.0050 | 0.0090 | 0.015 | 0.67 | 0.013 | 0.02 | 140 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 0.0072 | 0.0086 | 0.010 | 0.011 | 0.016 | 0.010 | 0.002 | 20 |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 0.0078 | 0.0093 | 0.010 | 0.011 | 0.013 | 0.010 | 0.002 | 15 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.0093 | 0.011 | 0.014 | 0.020 | 0.028 | 0.016 | 0.007 | 45 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.0086 | 0.010 | 0.011 | 0.015 | 0.031 | 0.014 | 0.007 | 52 |
| Tixelfjärden | PFM000063 | Surface | 40 | 0.0092 | 0.012 | 0.014 | 0.016 | 0.026 | 0.015 | 0.004 | 27 |
| Tixelfjärden | PFM000063 | Bottom | 20 | 0.0099 | 0.012 | 0.015 | 0.018 | 0.023 | 0.015 | 0.004 | 27 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.012 | 0.012 | 0.012 | 0.014 | 0.016 | 0.013 | 0.002 | 18 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.011 | 0.012 | 0.012 | 0.014 | 0.015 | 0.013 | 0.002 | 17 |
| Kallriga, norra | PFM000064 | Surface | 36 | 0.014 | 0.020 | 0.024 | 0.030 | 0.059 | 0.026 | 0.009 | 35 |
| Kallriga, norra | PFM000064 | Bottom | 18 | 0.014 | 0.018 | 0.022 | 0.026 | 0.051 | 0.024 | 0.009 | 37 |
| Kallriga, södra | PFM000065 | Surface | 35 | 0.012 | 0.017 | 0.021 | 0.024 | 0.044 | 0.021 | 0.006 | 30 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.030 | 0.031 | 0.036 | 0.038 | 0.044 | 0.036 | 0.005 | 15 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.012 | 0.014 | 0.017 | 0.030 | 0.039 | 0.022 | 0.01 | 52 |
| Forsmark area | | Surface | 171 | 0.0072 | 0.011 | 0.016 | 0.023 | 0.059 | 0.018 | 0.009 | 48 |
| Forsmark area | | Bottom | 68 | 0.0078 | 0.011 | 0.014 | 0.020 | 0.051 | 0.017 | 0.008 | 48 |
| Simpevarp area | | Surface | 163 | 0.012 | 0.019 | 0.021 | 0.024 | 0.043 | 0.022 | 0.006 | 26 |
| Simpevarp area | | Bottom | 160 | 0.013 | 0.021 | 0.024 | 0.029 | 0.38 | 0.030 | 0.03 | 110 |
| Bottenhavet | SMHI:MS4 | Surface | 35 | 0.0071 | 0.0084 | 0.011 | 0.013 | 0.017 | 0.011 | 0.003 | 26 |
| Bottenhavet | SMHI:MS4 | Bottom | 36 | 0.0046 | 0.0071 | 0.0085 | 0.011 | 0.016 | 0.0093 | 0.003 | 32 |
| Östersjön | SMHI:BY29 | Surface | 45 | 0.0071 | 0.014 | 0.015 | 0.023 | 0.030 | 0.018 | 0.006 | 31 |
| Östersjön | SMHI:BY29 | Bottom | 45 | 0.011 | 0.017 | 0.021 | 0.024 | 0.037 | 0.021 | 0.005 | 26 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 42 | 0.0053 | 0.0073 | 0.0082 | 0.011 | 0.019 | 0.0098 | 0.004 | 39 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 0.0081 | 0.016 | 0.022 | 0.037 | 0.12 | 0.030 | 0.02 | 78 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | 0.0043 | 0.0075 | 0.0091 | 0.010 | 0.020 | 0.0097 | 0.003 | 35 |
| Bolundskogen | PFM000069 | Surface | 48 | 0.0069 | 0.010 | 0.012 | 0.016 | 0.094 | 0.015 | 0.01 | 81 |
| Kungsträsket | PFM000068 | Surface | 48 | 0.0079 | 0.0096 | 0.011 | 0.015 | 0.066 | 0.014 | 0.009 | 64 |
| Lillputtsundet | PFM000067 | Surface | 43 | 0.0071 | 0.011 | 0.014 | 0.018 | 0.065 | 0.016 | 0.009 | 56 |
| Flottbron | PFM000072 | Surface | 40 | 0.014 | 0.020 | 0.031 | 0.060 | 0.25 | 0.045 | 0.04 | 99 |
| Söder Bredviken | PFM000073 | Surface | 23 | 0.022 | 0.035 | 0.050 | 0.094 | 0.23 | 0.081 | 0.06 | 79 |
| Forsmark area | | Surface | 320 | 0.0043 | 0.0098 | 0.014 | 0.021 | 0.25 | 0.024 | 0.03 | 130 |
| Simpevarp area | | Surface | 563 | 0.012 | 0.024 | 0.035 | 0.049 | 0.30 | 0.043 | 0.03 | 72 |
| Sweden | N.S.2000 | Surface | 725 | 0.0010 | 0.0060 | 0.015 | 0.043 | 1.1 | 0.040 | 0.08 | 200 |

Surface Water

| K | | | Potassium (mg/l) | | | | | | | | K |
|------------------------|-----------|---------|-------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 0.84 | 1.4 | 2.0 | 2.4 | 2.9 | 1.9 | 0.6 | 32 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 1.7 | 2.3 | 2.7 | 2.9 | 5.1 | 2.8 | 0.7 | 24 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 2.0 | 2.4 | 2.9 | 3.9 | 4.5 | 3.1 | 0.8 | 27 |
| Eckarfjärden | PFM000117 | Surface | 45 | 0.73 | 1.8 | 1.9 | 2.0 | 2.5 | 1.9 | 0.3 | 15 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 1.6 | 1.9 | 2.0 | 2.2 | 2.5 | 2.0 | 0.2 | 11 |
| Bolundsfjärden | PFM000107 | Surface | 47 | 0.94 | 2.3 | 2.7 | 3.4 | 5.0 | 2.9 | 0.9 | 30 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 2.2 | 3.6 | 4.0 | 4.5 | 16 | 4.7 | 3 | 63 |
| Norra bassängen | PFM000097 | Surface | 37 | 2.3 | 2.7 | 3.2 | 4.3 | 9.6 | 3.8 | 2 | 45 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 3.1 | 3.4 | 3.7 | 3.8 | 3.9 | 3.6 | 0.3 | 7.4 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 3.0 | 3.3 | 3.7 | 3.8 | 4.0 | 3.5 | 0.3 | 9.6 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 3.0 | 3.3 | 3.9 | 4.5 | 5.6 | 4.0 | 0.9 | 22 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 5.2 | | 5.2 | | 5.2 | 5.2 | | |
| Forsmark area | | Surface | 247 | 0.73 | 2.0 | 2.5 | 3.3 | 9.6 | 2.8 | 1 | 42 |
| Forsmark area | | Bottom | 74 | 1.6 | 2.2 | 3.0 | 3.9 | 16 | 3.3 | 2 | 58 |
| Simpevarp area | | Surface | 112 | 0.86 | 1.3 | 1.5 | 1.8 | 2.9 | 1.7 | 0.5 | 31 |
| Simpevarp area | | Bottom | 112 | 0.76 | 1.4 | 1.5 | 1.8 | 3.1 | 1.7 | 0.5 | 30 |
| Sweden | N.S.2000 | Surface | 3464 | | 0.27 | 0.47 | 0.82 | 72 | 0.77 | 2 | 230 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 49 | 53 | 55 | 56 | 61 | 55 | 2 | 4.6 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 49 | 52 | 53 | 54 | 56 | 53 | 2 | 3.5 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 38 | 51 | 53 | 54 | 60 | 52 | 6 | 12 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 51 | 53 | 54 | 56 | 60 | 55 | 3 | 4.8 |
| Tixelfjärden | PFM000063 | Surface | 41 | 32 | 52 | 53 | 55 | 61 | 52 | 6 | 11 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 49 | 52 | 53 | 55 | 56 | 53 | 2 | 3.9 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 50 | 51 | 52 | 53 | 54 | 52 | 2 | 3.3 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 50 | 51 | 52 | 53 | 54 | 52 | 2 | 4.0 |
| Kallriga, norra | PFM000064 | Surface | 37 | 7.7 | 36 | 50 | 52 | 54 | 43 | 10 | 30 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 24 | 44 | 48 | 51 | 54 | 47 | 7 | 14 |
| Kallriga, södra | PFM000065 | Surface | 36 | 4.1 | 37 | 49 | 52 | 54 | 41 | 20 | 38 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 6.7 | 10 | 15 | 44 | 58 | 27 | 20 | 85 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 6.9 | 42 | 44 | 48 | 56 | 39 | 20 | 48 |
| Forsmark area | | Surface | 175 | 4.1 | 48 | 52 | 54 | 61 | 48 | 10 | 26 |
| Forsmark area | | Bottom | 72 | 6.9 | 49 | 52 | 54 | 60 | 51 | 7 | 14 |
| Simpevarp area | | Surface | 160 | 11 | 56 | 70 | 74 | 87 | 64 | 20 | 24 |
| Simpevarp area | | Bottom | 157 | 22 | 66 | 71 | 76 | 88 | 70 | 10 | 14 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 1.5 | 2.0 | 2.2 | 2.6 | 3.2 | 2.3 | 0.5 | 20 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 1.6 | 1.9 | 2.0 | 2.2 | 5.9 | 2.2 | 0.7 | 33 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | <0.4 | 1.3 | 1.7 | 1.9 | 3.1 | 1.6 | 0.6 | 36 |
| Bolundskogen | PFM000069 | Surface | 48 | <0.4 | 1.8 | 2.1 | 2.5 | 5.5 | 2.1 | 0.9 | 44 |
| Kungsträsket | PFM000068 | Surface | 48 | 0.54 | 1.8 | 2.1 | 2.3 | 4.6 | 2.1 | 0.7 | 34 |
| Lillputtsundet | PFM000067 | Surface | 44 | 2.0 | 2.3 | 2.9 | 3.9 | 5.6 | 3.2 | 1 | 32 |
| Flottbron | PFM000072 | Surface | 40 | 0.94 | 3.1 | 3.7 | 4.6 | 7.5 | 3.8 | 1 | 35 |
| Söder Bredviken | PFM000073 | Surface | 23 | 6.3 | 7.3 | 8.2 | 8.7 | 12 | 8.2 | 1 | 16 |
| Forsmark area | | Surface | 317 | <0.4 | 1.9 | 2.3 | 3.1 | 12 | 2.9 | 2 | 65 |
| Simpevarp area | | Surface | 556 | <0.4 | 0.95 | 1.3 | 1.7 | 7.8 | 1.5 | 0.9 | 59 |
| Sweden | N.S.2000 | Surface | 725 | 0.078 | 0.39 | 0.74 | 2.0 | 39 | 1.5 | 2 | 140 |

Surface Water

| Pr | | | Praseodymium (µg/l) | | | | | | | | Pr |
|------------------------|-----------|---------|---------------------|--------|--------|------------------|-------|--------|--------|-------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | 0.0070 | 0.014 | 0.017 | 0.018 | 0.031 | 0.017 | 0.007 | 43 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | 0.010 | 0.013 | 0.016 | 0.028 | 0.014 | 0.008 | 57 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.016 | 0.017 | 0.019 | 0.027 | 0.035 | 0.023 | 0.010 | 43 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | 0.0089 | 0.022 | 0.030 | 0.013 | 0.01 | 90 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.0073 | 0.019 | 0.031 | 0.032 | 0.034 | 0.024 | 0.01 | 61 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.013 | 0.021 | 0.026 | 0.036 | 0.069 | 0.032 | 0.02 | 59 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.032 | 0.037 | 0.042 | 0.050 | 0.058 | 0.044 | 0.01 | 30 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.011 | 0.017 | 0.028 | 0.039 | 0.065 | 0.031 | 0.02 | 63 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.0090 | 0.0093 | 0.0097 | 0.012 | 0.018 | 0.012 | 0.004 | 36 |
| Forsmark area | | Surface | 39 | <0.005 | 0.010 | 0.018 | 0.026 | 0.069 | 0.020 | 0.01 | 74 |
| Forsmark area | | Bottom | 10 | <0.005 | 0.017 | 0.031 | 0.034 | 0.058 | 0.028 | 0.02 | 60 |
| Simpevarp area | | Surface | 1 | 0.034 | | 0.034 | | 0.034 | 0.034 | | |
| Simpevarp area | | Bottom | 1 | 0.035 | | 0.035 | | 0.035 | 0.035 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 55 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.003 | 26 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 36 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 87 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.022 | | 0.022 | | 0.022 | 0.022 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.012 | | 0.012 | | 0.012 | 0.012 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | 0.081 | 0.19 | 0.056 | 0.07 | 130 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 82 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.082 | 0.53 | 0.10 | 0.2 | 180 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.19 | | 0.19 | | 0.19 | 0.19 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.21 | | 0.21 | | 0.21 | 0.21 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | 0.53 | <0.05 | 0.10 | 200 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | 0.21 | <0.05 | 0.05 | 220 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.013 | 0.016 | 0.022 | 0.025 | 0.031 | 0.021 | 0.007 | 31 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.0092 | 0.014 | 0.018 | 0.024 | 0.035 | 0.020 | 0.009 | 46 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.032 | | 0.032 | | 0.032 | 0.032 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.033 | 0.041 | 0.056 | 0.058 | 0.073 | 0.052 | 0.01 | 29 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.010 | 0.014 | 0.017 | 0.028 | 0.068 | 0.027 | 0.02 | 87 |
| Flottbron | PFM000072 | Surface | 5 | 0.0060 | 0.0077 | 0.0078 | 0.015 | 0.034 | 0.014 | 0.01 | 82 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.005 | 0.0053 | 0.0080 | 0.012 | 0.016 | 0.0088 | 0.007 | 76 |
| Forsmark area | | Surface | 33 | <0.005 | 0.013 | 0.019 | 0.033 | 0.073 | 0.026 | 0.02 | 72 |
| Simpevarp area | | Surface | 10 | 0.046 | 0.067 | 0.092 | 0.12 | 0.18 | 0.099 | 0.04 | 42 |

Surface Water

| Ra-226 | | | Radium-226 (Bq/l) | | | | | | | Ra-226 | |
|------------------------|-----------|---------|--------------------------|------------|-------------|----------------|-------------|------------|-------------|---------------|------------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 1 | | | | | | | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | 0.50 | | 0.50 | | 0.50 | 0.50 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Eckarfjärden | PFM000117 | Surface | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | | | | | | | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | | | | | | | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | | | | | | | | |
| Norra bassängen | PFM000097 | Surface | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Forsmark area | | Surface | 6 | | 0.050 | 0.20 | 0.20 | 0.50 | 0.18 | 0.2 | 100 |
| Forsmark area | | Bottom | 3 | | | | 0.050 | 0.10 | 0.033 | 0.06 | 170 |
| Simpevarp area | | Surface | 3 | 0.10 | 0.15 | 0.20 | 0.55 | 0.90 | 0.40 | 0.4 | 110 |
| Simpevarp area | | Bottom | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 1 | <0.1 | | <0.1 | | <0.1 | <0.1 | | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.40 | | 0.40 | | 0.40 | 0.40 | | |
| Tixelfjärden | PFM000063 | Surface | 2 | <0.1 | <0.1 | <0.1 | <0.1 | 0.10 | <0.1 | 0.04 | 47 |
| Tixelfjärden | PFM000063 | Bottom | 1 | 0.40 | | 0.40 | | 0.40 | 0.40 | | |
| Kallriga, norra | PFM000064 | Surface | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Kallriga, norra | PFM000064 | Bottom | 1 | <0.1 | | <0.1 | | <0.1 | <0.1 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | | |
| Forsmark area | | Surface | 7 | <0.1 | <0.1 | 0.10 | 0.10 | 0.20 | 0.10 | 0.05 | 50 |
| Forsmark area | | Bottom | 4 | <0.1 | <0.1 | 0.25 | 0.40 | 0.40 | 0.24 | 0.2 | 79 |
| Simpevarp area | | Surface | 8 | <0.1 | <0.1 | 0.10 | 0.20 | 0.40 | 0.14 | 0.1 | 86 |
| Simpevarp area | | Bottom | 8 | <0.1 | <0.1 | 0.10 | 0.23 | 0.30 | 0.14 | 0.1 | 78 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 17 | <0.1 | 0.10 | 0.10 | 0.30 | 0.40 | 0.15 | 0.1 | 79 |

| Rn-222 | | | Radon-222 (Bq/l) | | | | | | | Rn-222 | |
|------------------------|-----------|---------|-------------------------|------------|-------------|----------------|-------------|------------|-------------|---------------|------------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 1 | 0.60 | | 0.60 | | 0.60 | 0.60 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | 0.80 | | 0.80 | | 0.80 | 0.80 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | 0.40 | | 0.40 | | 0.40 | 0.40 | | |
| Eckarfjärden | PFM000117 | Surface | 1 | 0.30 | | 0.30 | | 0.30 | 0.30 | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | | | | | | | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | | | | | | | | |
| Norra bassängen | PFM000097 | Surface | 1 | | | | | | | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 0.30 | | 0.30 | | 0.30 | 0.30 | | |
| Forsmark area | | Surface | 6 | | 0.15 | 0.30 | 0.53 | 0.80 | 0.35 | 0.3 | 86 |
| Forsmark area | | Bottom | 3 | | | | 0.20 | 0.40 | 0.13 | 0.2 | 170 |
| Simpevarp area | | Surface | 3 | 0.10 | 0.10 | 0.10 | 0.15 | 0.20 | 0.13 | 0.06 | 43 |
| Simpevarp area | | Bottom | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 1 | 0.30 | | 0.30 | | 0.30 | 0.30 | | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.30 | | 0.30 | | 0.30 | 0.30 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.60 | | 0.60 | | 0.60 | 0.60 | | |
| Tixelfjärden | PFM000063 | Surface | 2 | 0.10 | 0.23 | 0.35 | 0.48 | 0.60 | 0.35 | 0.4 | 100 |
| Tixelfjärden | PFM000063 | Bottom | 1 | 0.60 | | 0.60 | | 0.60 | 0.60 | | |
| Kallriga, norra | PFM000064 | Surface | 1 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| Kallriga, norra | PFM000064 | Bottom | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.20 | 0.1 | 71 |
| Forsmark area | | Surface | 7 | 0.10 | 0.15 | 0.30 | 0.30 | 0.60 | 0.27 | 0.2 | 63 |
| Forsmark area | | Bottom | 4 | 0.10 | 0.10 | 0.35 | 0.60 | 0.60 | 0.35 | 0.3 | 82 |
| Simpevarp area | | Surface | 8 | <0.1 | <0.1 | <0.1 | 0.23 | 1.0 | 0.21 | 0.3 | 160 |
| Simpevarp area | | Bottom | 8 | <0.1 | <0.1 | 0.15 | 0.30 | 0.40 | 0.18 | 0.1 | 78 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 17 | 0.20 | 0.70 | 1.1 | 2.8 | 11 | 2.8 | 3 | 130 |

Surface Water

| Rb | | | Rubidium (µg/l) | | | | | | | | Rb |
|------------------------|-----------|---------|------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | 1.7 | 1.8 | 2.0 | 2.0 | 2.2 | 1.9 | 0.2 | 8.3 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 2.1 | 2.2 | 2.4 | 2.7 | 3.7 | 2.6 | 0.6 | 22 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 2.1 | 2.7 | 3.4 | 4.4 | 5.4 | 3.6 | 2 | 46 |
| Eckarfjärden | PFM000117 | Surface | 7 | 1.8 | 1.9 | 2.2 | 2.3 | 2.7 | 2.2 | 0.3 | 15 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 1.8 | 2.0 | 2.3 | 2.4 | 2.6 | 2.2 | 0.4 | 18 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 2.1 | 2.6 | 2.8 | 2.9 | 3.3 | 2.7 | 0.4 | 13 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 3.0 | 3.1 | 3.2 | 3.4 | 3.5 | 3.2 | 0.3 | 8.8 |
| Norra bassängen | PFM000097 | Surface | 6 | 2.1 | 2.7 | 2.9 | 3.2 | 3.9 | 3.0 | 0.6 | 20 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 3.5 | | 3.5 | | 3.5 | 3.5 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 2.4 | 3.2 | 3.5 | 3.7 | 4.5 | 3.5 | 0.8 | 24 |
| Forsmark area | | Surface | 39 | 1.7 | 2.0 | 2.4 | 2.9 | 4.5 | 2.5 | 0.7 | 26 |
| Forsmark area | | Bottom | 10 | 1.8 | 2.4 | 3.1 | 3.5 | 5.4 | 3.1 | 1 | 33 |
| Simpevarp area | | Surface | 1 | 3.4 | | 3.4 | | 3.4 | 3.4 | | |
| Simpevarp area | | Bottom | 1 | 3.4 | | 3.4 | | 3.4 | 3.4 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | 16 | 17 | 18 | 18 | 19 | 17 | 1 | 6.0 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | 18 | 18 | 18 | 18 | 19 | 18 | 0.4 | 2.3 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 17 | 17 | 17 | 17 | 17 | 17 | 0.4 | 2.5 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 17 | 17 | 17 | 17 | 18 | 17 | 0.6 | 3.3 |
| Tixelfjärden | PFM000063 | Surface | 8 | 15 | 17 | 17 | 18 | 19 | 17 | 1 | 6.0 |
| Tixelfjärden | PFM000063 | Bottom | 4 | 15 | 17 | 18 | 18 | 19 | 18 | 2 | 9.1 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 17 | | 17 | | 17 | 17 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 17 | | 17 | | 17 | 17 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | 4.6 | 12 | 16 | 16 | 20 | 14 | 5 | 36 |
| Kallriga, norra | PFM000064 | Bottom | 3 | 14 | 15 | 16 | 16 | 16 | 15 | 1 | 8.8 |
| Kallriga, södra | PFM000065 | Surface | 8 | 3.8 | 10 | 14 | 16 | 17 | 13 | 5 | 36 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 3.5 | | 3.5 | | 3.5 | 3.5 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 4.0 | | 4.0 | | 4.0 | 4.0 | | |
| Forsmark area | | Surface | 35 | 3.5 | 15 | 17 | 17 | 20 | 15 | 4 | 28 |
| Forsmark area | | Bottom | 13 | 4.0 | 16 | 17 | 18 | 19 | 16 | 4 | 24 |
| Simpevarp area | | Surface | 4 | 17 | 19 | 21 | 22 | 22 | 20 | 2 | 11 |
| Simpevarp area | | Bottom | 4 | 18 | 20 | 22 | 22 | 22 | 21 | 2 | 9.6 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 1.8 | 2.0 | 2.1 | 2.3 | 3.4 | 2.3 | 0.6 | 24 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.49 | 1.9 | 2.2 | 2.3 | 3.1 | 2.0 | 0.9 | 43 |
| Bolundskogen | PFM000069 | Surface | 1 | 1.8 | | 1.8 | | 1.8 | 1.8 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.90 | 2.0 | 2.2 | 2.6 | 4.1 | 2.3 | 1 | 45 |
| Lillputtsundet | PFM000067 | Surface | 5 | 1.9 | 2.6 | 2.9 | 3.0 | 3.0 | 2.7 | 0.5 | 17 |
| Flottbron | PFM000072 | Surface | 5 | 2.0 | 2.7 | 2.7 | 3.3 | 4.9 | 3.1 | 1 | 35 |
| Söder Bredviken | PFM000073 | Surface | 3 | 1.7 | 1.8 | 1.9 | 1.9 | 2.0 | 1.8 | 0.1 | 8.0 |
| Forsmark area | | Surface | 33 | 0.49 | 1.9 | 2.2 | 2.7 | 4.9 | 2.4 | 0.8 | 35 |
| Simpevarp area | | Surface | 10 | 1.8 | 2.0 | 2.3 | 3.0 | 7.7 | 3.1 | 2 | 60 |

Surface Water

| Sm | | | Samarium (µg/l) | | | | | | | | Sm |
|------------------------|-----------|---------|-----------------|--------|--------|------------------|--------|--------|--------|--------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | 0.0070 | 0.013 | 0.016 | 0.016 | 0.031 | 0.016 | 0.007 | 46 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | 0.0096 | 0.014 | 0.017 | 0.029 | 0.014 | 0.009 | 61 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.016 | 0.018 | 0.020 | 0.028 | 0.036 | 0.024 | 0.01 | 43 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | 0.0084 | 0.020 | 0.030 | 0.012 | 0.01 | 90 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.0075 | 0.017 | 0.027 | 0.028 | 0.029 | 0.021 | 0.01 | 56 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.011 | 0.015 | 0.017 | 0.029 | 0.054 | 0.024 | 0.02 | 63 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.024 | 0.029 | 0.034 | 0.040 | 0.047 | 0.035 | 0.01 | 33 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.0082 | 0.014 | 0.022 | 0.030 | 0.055 | 0.025 | 0.02 | 67 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.0070 | 0.0078 | 0.0080 | 0.010 | 0.018 | 0.010 | 0.005 | 49 |
| Forsmark area | | Surface | 39 | <0.005 | 0.0084 | 0.016 | 0.021 | 0.055 | 0.017 | 0.01 | 70 |
| Forsmark area | | Bottom | 10 | <0.005 | 0.017 | 0.026 | 0.033 | 0.047 | 0.024 | 0.01 | 55 |
| Simpevarp area | | Surface | 1 | 0.022 | | 0.022 | | 0.022 | 0.022 | | |
| Simpevarp area | | Bottom | 1 | 0.022 | | 0.022 | | 0.022 | 0.022 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 58 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.0007 | 6.7 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.002 | 15 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 80 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.016 | | 0.016 | | 0.016 | 0.016 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0098 | | 0.0098 | | 0.0098 | 0.0098 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | 0.054 | 0.14 | <0.05 | 0.05 | 130 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.055 | 0.33 | 0.066 | 0.1 | 170 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.14 | | 0.14 | | 0.14 | 0.14 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.15 | | 0.15 | | 0.15 | 0.15 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | 0.33 | <0.05 | 0.06 | 180 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | 0.15 | <0.05 | 0.04 | 200 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.011 | 0.014 | 0.019 | 0.024 | 0.027 | 0.019 | 0.006 | 33 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.0085 | 0.012 | 0.015 | 0.022 | 0.033 | 0.018 | 0.009 | 52 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.025 | | 0.025 | | 0.025 | 0.025 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.028 | 0.034 | 0.047 | 0.049 | 0.051 | 0.042 | 0.01 | 24 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.0080 | 0.011 | 0.013 | 0.023 | 0.054 | 0.022 | 0.02 | 88 |
| Flottbron | PFM000072 | Surface | 5 | 0.0060 | 0.0067 | 0.0069 | 0.013 | 0.027 | 0.012 | 0.009 | 75 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.005 | <0.005 | 0.0070 | 0.0096 | 0.012 | 0.0072 | 0.005 | 67 |
| Forsmark area | | Surface | 33 | <0.005 | 0.011 | 0.017 | 0.027 | 0.054 | 0.021 | 0.01 | 68 |
| Simpevarp area | | Surface | 10 | 0.036 | 0.048 | 0.062 | 0.084 | 0.13 | 0.068 | 0.03 | 40 |

Surface Water

| Sc | | | Scandium (µg/l) | | | | | | | | Sc |
|------------------------|-----------|---------|-----------------|--------|-------|--------|-------|--------|--------|-------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.003 | 12 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.004 | 19 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 24 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 23 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 24 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | 0.054 | <0.05 | 0.01 | 48 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 24 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.007 | 31 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Forsmark area | | Surface | 39 | <0.05 | <0.05 | <0.05 | <0.05 | 0.054 | <0.05 | 0.007 | 29 |
| Forsmark area | | Bottom | 10 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.004 | 19 |
| Simpevarp area | | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | 0.2 | 100 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | 0.10 | 140 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.10 | 120 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.09 | 110 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 95 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 120 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.014 | | 0.014 | | 0.014 | 0.014 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0060 | | 0.0060 | | 0.0060 | 0.0060 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.10 | 110 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 150 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 99 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.076 | | 0.076 | | 0.076 | 0.076 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.068 | | 0.068 | | 0.068 | 0.068 | | |
| Forsmark area | | Surface | 35 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | 0.1 | 100 |
| Forsmark area | | Bottom | 13 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | <0.8 | 0.09 | 110 |
| Simpevarp area | | Surface | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Simpevarp area | | Bottom | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.003 | 13 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 23 |
| Bolundskogen | PFM000069 | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.005 | 20 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.05 | <0.05 | <0.05 | <0.05 | 0.054 | <0.05 | 0.02 | 61 |
| Flottbron | PFM000072 | Surface | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 35 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 39 |
| Forsmark area | | Surface | 33 | <0.05 | <0.05 | <0.05 | <0.05 | 0.054 | <0.05 | 0.008 | 32 |
| Simpevarp area | | Surface | 10 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |

Surface Water

| Si | | | Silicon (mg/l) | | | | | | | | Si |
|------------------------|-----------|---------|----------------|-------|-------|-------------|------|------|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 2.7 | 3.4 | 4.6 | 5.5 | 8.6 | 4.7 | 2 | 33 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 1.0 | 3.2 | 4.8 | 6.1 | 11 | 5.1 | 3 | 50 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 2.6 | 4.1 | 6.1 | 9.2 | 11 | 6.4 | 3 | 41 |
| Eckarfjärden | PFM000117 | Surface | 45 | 0.10 | 1.2 | 1.8 | 2.9 | 4.2 | 1.9 | 1 | 61 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 1.2 | 2.0 | 3.3 | 3.4 | 4.0 | 2.8 | 0.9 | 32 |
| Bolundsfjärden | PFM000107 | Surface | 47 | <0.03 | 0.34 | 0.94 | 2.2 | 5.3 | 1.6 | 2 | 100 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 0.35 | 0.94 | 1.9 | 2.5 | 4.3 | 1.9 | 1 | 59 |
| Norra bassängen | PFM000097 | Surface | 37 | <0.03 | 0.090 | 0.48 | 2.1 | 6.5 | 1.3 | 2 | 130 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 0.12 | 0.46 | 1.1 | 2.1 | 2.9 | 1.3 | 1.0 | 75 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.13 | 0.88 | 1.1 | 2.2 | 2.9 | 1.3 | 0.9 | 71 |
| Fiskarfjärden | PFM000135 | Surface | 17 | <0.03 | 0.36 | 1.4 | 3.9 | 5.8 | 2.1 | 2 | 96 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 6.0 | | 6.0 | | 6.0 | 6.0 | | |
| Forsmark area | | Surface | 247 | <0.03 | 0.76 | 2.3 | 4.2 | 11 | 2.8 | 2 | 84 |
| Forsmark area | | Bottom | 74 | 0.13 | 1.6 | 2.9 | 4.0 | 11 | 3.5 | 3 | 75 |
| Simpevarp area | | Surface | 112 | 0.33 | 2.1 | 3.9 | 4.6 | 6.4 | 3.4 | 2 | 47 |
| Simpevarp area | | Bottom | 112 | 0.46 | 2.6 | 4.2 | 5.1 | 6.2 | 3.8 | 2 | 44 |
| Sweden | N.S.2000 | Surface | 3464 | | 0.58 | 1.5 | 2.5 | 11 | 1.7 | 1 | 79 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 0.090 | 0.23 | 0.41 | 0.47 | 0.78 | 0.38 | 0.2 | 43 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 0.090 | 0.22 | 0.42 | 0.49 | 0.67 | 0.37 | 0.2 | 49 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.39 | 0.47 | 0.65 | 0.77 | 2.9 | 0.88 | 0.8 | 94 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.37 | 0.47 | 0.62 | 0.70 | 0.96 | 0.61 | 0.2 | 32 |
| Tixelfjärden | PFM000063 | Surface | 41 | 0.12 | 0.27 | 0.39 | 0.67 | 2.9 | 0.61 | 0.6 | 99 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 0.17 | 0.35 | 0.45 | 0.95 | 1.7 | 0.66 | 0.5 | 71 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.47 | 0.51 | 0.55 | 0.59 | 0.62 | 0.55 | 0.08 | 14 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.37 | 0.38 | 0.39 | 0.42 | 0.45 | 0.40 | 0.04 | 10 |
| Kallriga, norra | PFM000064 | Surface | 37 | 0.15 | 0.26 | 0.32 | 1.1 | 6.2 | 1.0 | 1 | 140 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 0.20 | 0.28 | 0.33 | 1.2 | 4.1 | 0.89 | 1 | 120 |
| Kallriga, södra | PFM000065 | Surface | 36 | 0.18 | 0.42 | 0.54 | 1.1 | 5.6 | 1.2 | 1 | 120 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.82 | 0.86 | 3.8 | 4.1 | 4.2 | 2.8 | 2 | 64 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.59 | 0.90 | 0.98 | 1.2 | 4.3 | 1.6 | 2 | 95 |
| Forsmark area | | Surface | 175 | 0.090 | 0.28 | 0.45 | 0.75 | 6.2 | 0.84 | 1 | 130 |
| Forsmark area | | Bottom | 72 | 0.090 | 0.29 | 0.46 | 0.77 | 4.3 | 0.71 | 0.8 | 110 |
| Simpevarp area | | Surface | 160 | <0.1 | 0.25 | 0.43 | 1.2 | 6.3 | 1.1 | 1 | 130 |
| Simpevarp area | | Bottom | 157 | <0.1 | 0.31 | 0.47 | 1.1 | 5.8 | 0.79 | 0.8 | 99 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 1.5 | 3.0 | 3.9 | 4.4 | 6.7 | 3.8 | 1 | 31 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 1.3 | 3.4 | 4.0 | 4.3 | 5.9 | 3.9 | 0.9 | 24 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | 0.53 | 1.4 | 2.2 | 3.1 | 5.1 | 2.4 | 1 | 50 |
| Bolundskogen | PFM000069 | Surface | 48 | 2.5 | 4.3 | 5.2 | 6.0 | 8.7 | 5.3 | 1 | 26 |
| Kungsträsket | PFM000068 | Surface | 48 | 2.7 | 3.7 | 4.6 | 5.2 | 8.1 | 4.7 | 1 | 26 |
| Lillputtsundet | PFM000067 | Surface | 44 | 0.080 | 0.34 | 0.92 | 2.0 | 4.8 | 1.4 | 1 | 95 |
| Flottbron | PFM000072 | Surface | 40 | 0.71 | 1.2 | 1.7 | 2.1 | 4.4 | 1.8 | 0.9 | 50 |
| Söder Bredviken | PFM000073 | Surface | 23 | 0.34 | 1.6 | 3.4 | 4.0 | 5.8 | 3.0 | 2 | 50 |
| Forsmark area | | Surface | 317 | 0.080 | 1.9 | 3.5 | 4.5 | 8.7 | 3.3 | 2 | 54 |
| Simpevarp area | | Surface | 555 | 2.9 | 6.5 | 8.2 | 10.0 | 20 | 8.4 | 3 | 31 |
| Sweden | N.S.2000 | Surface | 725 | 0.070 | 1.7 | 2.9 | 4.4 | 19 | 3.2 | 2 | 65 |

Surface Water

| SiO2-Si | | Silicon as silicate (mg/l) | | | | | | | SiO2-Si | | |
|------------------------|-----------|----------------------------|-------|-------|------|-------------|------|------|---------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 43 | 2.7 | 3.4 | 4.8 | 5.8 | 8.8 | 4.9 | 2 | 33 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 1.1 | 3.3 | 5.0 | 6.2 | 10 | 5.2 | 3 | 49 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 2.7 | 3.8 | 6.4 | 9.0 | 10 | 6.5 | 3 | 42 |
| Eckarfjärden | PFM000117 | Surface | 48 | 0.12 | 1.1 | 1.8 | 3.0 | 4.0 | 1.9 | 1 | 59 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 0.38 | 2.0 | 3.0 | 3.4 | 4.6 | 2.7 | 1 | 39 |
| Bolundsfjärden | PFM000107 | Surface | 49 | 0.077 | 0.41 | 0.99 | 2.2 | 5.3 | 1.7 | 2 | 100 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | 0.40 | 0.91 | 1.9 | 2.4 | 4.5 | 1.9 | 1 | 62 |
| Norra bassängen | PFM000097 | Surface | 37 | 0.037 | 0.11 | 0.56 | 1.9 | 6.7 | 1.3 | 2 | 140 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 0.16 | 0.51 | 1.1 | 2.1 | 2.9 | 1.3 | 0.9 | 72 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.15 | 0.87 | 1.1 | 2.1 | 2.9 | 1.3 | 0.9 | 69 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 0.054 | 0.27 | 1.3 | 3.8 | 6.0 | 2.0 | 2 | 110 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 6.3 | | 6.3 | | 6.3 | 6.3 | | |
| Forsmark area | | Surface | 255 | 0.037 | 0.78 | 2.2 | 4.2 | 10 | 2.8 | 2 | 85 |
| Forsmark area | | Bottom | 75 | 0.15 | 1.6 | 2.9 | 4.1 | 10 | 3.5 | 3 | 77 |
| Simpevarp area | | Surface | 112 | 0.30 | 2.1 | 4.0 | 4.9 | 6.5 | 3.5 | 2 | 47 |
| Simpevarp area | | Bottom | 112 | 0.43 | 2.7 | 4.4 | 5.2 | 6.3 | 3.9 | 2 | 43 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | 0.098 | 0.27 | 0.44 | 0.50 | 2.1 | 0.43 | 0.3 | 71 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 0.13 | 0.26 | 0.30 | 0.42 | 0.55 | 0.32 | 0.1 | 40 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.16 | 0.52 | 0.68 | 0.73 | 0.80 | 0.59 | 0.2 | 36 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 0.16 | 0.51 | 0.60 | 0.68 | 0.85 | 0.57 | 0.2 | 36 |
| Tixelfjärden | PFM000063 | Surface | 40 | 0.11 | 0.26 | 0.43 | 0.63 | 2.6 | 0.53 | 0.5 | 90 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 0.13 | 0.39 | 0.50 | 0.93 | 1.6 | 0.68 | 0.5 | 66 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 0.20 | 0.36 | 0.53 | 0.60 | 0.67 | 0.47 | 0.2 | 52 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.19 | 0.30 | 0.41 | 0.47 | 0.53 | 0.38 | 0.2 | 46 |
| Kallriga, norra | PFM000064 | Surface | 37 | 0.12 | 0.21 | 0.33 | 0.99 | 5.5 | 1.0 | 1 | 140 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 0.17 | 0.25 | 0.34 | 1.1 | 4.1 | 0.85 | 1.0 | 110 |
| Kallriga, södra | PFM000065 | Surface | 36 | 0.15 | 0.38 | 0.55 | 1.2 | 5.4 | 1.1 | 1 | 120 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.93 | 3.0 | 3.5 | 3.7 | 3.8 | 3.0 | 1 | 40 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.51 | 0.96 | 1.0 | 1.0 | 3.1 | 1.3 | 1 | 77 |
| Forsmark area | | Surface | 174 | 0.098 | 0.26 | 0.46 | 0.72 | 5.5 | 0.81 | 1 | 130 |
| Forsmark area | | Bottom | 71 | 0.13 | 0.29 | 0.47 | 0.85 | 4.1 | 0.67 | 0.7 | 99 |
| Simpevarp area | | Surface | 163 | 0.015 | 0.27 | 0.45 | 1.3 | 7.1 | 1.1 | 2 | 130 |
| Simpevarp area | | Bottom | 160 | 0.031 | 0.34 | 0.50 | 1.1 | 6.5 | 0.83 | 0.8 | 100 |
| Bottenhavet | SMHI:MS4 | Surface | 8 | 0.40 | 0.48 | 0.52 | 0.54 | 0.57 | 0.51 | 0.05 | 11 |
| Bottenhavet | SMHI:MS4 | Bottom | 9 | 0.42 | 0.50 | 0.52 | 0.54 | 0.65 | 0.52 | 0.06 | 12 |
| Östersjön | SMHI:BY29 | Surface | 46 | 0.087 | 0.19 | 0.25 | 0.30 | 0.42 | 0.25 | 0.08 | 33 |
| Östersjön | SMHI:BY29 | Bottom | 46 | 0.17 | 0.27 | 0.31 | 0.36 | 0.45 | 0.31 | 0.06 | 20 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 42 | 1.5 | 3.0 | 3.8 | 4.7 | 6.5 | 3.9 | 1 | 31 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 1.4 | 3.4 | 3.9 | 4.5 | 6.8 | 3.9 | 1 | 28 |
| Norr Eckarfjärden | PFM000070 | Surface | 43 | 0.35 | 1.6 | 2.3 | 3.4 | 4.9 | 2.5 | 1 | 49 |
| Bolundskogen | PFM000069 | Surface | 48 | 3.4 | 4.4 | 5.2 | 5.9 | 8.2 | 5.3 | 1 | 22 |
| Kungsträsket | PFM000068 | Surface | 49 | 1.2 | 3.6 | 4.4 | 5.0 | 7.2 | 4.5 | 1 | 26 |
| Lillputtsundet | PFM000067 | Surface | 44 | 0.088 | 0.35 | 0.96 | 2.0 | 4.9 | 1.5 | 1 | 96 |
| Flottbron | PFM000072 | Surface | 40 | 0.66 | 1.2 | 1.7 | 2.0 | 4.3 | 1.9 | 0.9 | 51 |
| Söder Bredviken | PFM000073 | Surface | 23 | 0.39 | 1.4 | 3.4 | 4.4 | 7.5 | 3.1 | 2 | 61 |
| Forsmark area | | Surface | 322 | 0.088 | 1.9 | 3.6 | 4.6 | 8.2 | 3.4 | 2 | 53 |
| Simpevarp area | | Surface | 563 | 2.8 | 6.6 | 8.5 | 10 | 21 | 8.6 | 3 | 30 |

Surface Water

| Na | | | Sodium (mg/l) | | | | | | | | Na |
|------------------------|-----------|---------|---------------|-------|------|-------------|------|------|------|------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 4.7 | 6.2 | 8.1 | 10 | 12 | 8.4 | 2 | 27 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 6.4 | 8.3 | 9.7 | 11 | 15 | 9.9 | 2 | 20 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 6.7 | 9.0 | 12 | 12 | 15 | 11 | 2 | 21 |
| Eckarfjärden | PFM000117 | Surface | 45 | 1.4 | 5.8 | 6.0 | 6.6 | 7.4 | 6.1 | 0.9 | 15 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 5.2 | 5.6 | 6.0 | 6.5 | 7.6 | 6.1 | 0.6 | 9.9 |
| Bolundsfjärden | PFM000107 | Surface | 47 | 3.6 | 19 | 23 | 44 | 92 | 33 | 20 | 68 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 14 | 44 | 55 | 76 | 350 | 76 | 80 | 100 |
| Norra bassängen | PFM000097 | Surface | 37 | 22 | 30 | 46 | 77 | 210 | 61 | 40 | 72 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 18 | 22 | 28 | 31 | 33 | 27 | 5 | 19 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 18 | 21 | 24 | 28 | 33 | 25 | 5 | 20 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 7.0 | 23 | 29 | 29 | 34 | 26 | 7 | 26 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 28 | | 28 | | 28 | 28 | | |
| Forsmark area | | Surface | 247 | 1.4 | 7.0 | 12 | 28 | 210 | 23 | 30 | 120 |
| Forsmark area | | Bottom | 74 | 5.2 | 6.8 | 12 | 28 | 350 | 30 | 50 | 170 |
| Simpevarp area | | Surface | 112 | 2.7 | 8.7 | 9.6 | 11 | 17 | 10 | 2 | 23 |
| Simpevarp area | | Bottom | 112 | 2.5 | 8.9 | 10 | 13 | 18 | 11 | 3 | 24 |
| Sweden | N.S.2000 | Surface | 3464 | 0.092 | 1.1 | 1.7 | 4.5 | 1300 | 4.1 | 30 | 660 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 1300 | 1400 | 1500 | 1500 | 1600 | 1500 | 50 | 3.7 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 1300 | 1400 | 1500 | 1500 | 1600 | 1500 | 60 | 4.0 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 970 | 1400 | 1400 | 1400 | 1600 | 1400 | 200 | 13 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 1400 | 1400 | 1500 | 1500 | 1500 | 1500 | 50 | 3.3 |
| Tixelfjärden | PFM000063 | Surface | 41 | 850 | 1400 | 1400 | 1500 | 1600 | 1400 | 200 | 11 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 1300 | 1400 | 1500 | 1500 | 1600 | 1500 | 60 | 4.3 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 1300 | 1400 | 1400 | 1400 | 1400 | 1400 | 100 | 6.9 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 40 | 3.1 |
| Kallriga, norra | PFM000064 | Surface | 37 | 160 | 950 | 1400 | 1400 | 1500 | 1200 | 400 | 32 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 620 | 1200 | 1300 | 1400 | 1500 | 1300 | 200 | 17 |
| Kallriga, södra | PFM000065 | Surface | 36 | 66 | 970 | 1300 | 1400 | 1500 | 1100 | 500 | 41 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 130 | 230 | 380 | 1200 | 1500 | 690 | 600 | 91 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 140 | 1100 | 1200 | 1300 | 1400 | 1000 | 500 | 50 |
| Forsmark area | | Surface | 175 | 66 | 1300 | 1400 | 1500 | 1600 | 1300 | 300 | 27 |
| Forsmark area | | Bottom | 72 | 140 | 1400 | 1400 | 1500 | 1600 | 1400 | 200 | 15 |
| Simpevarp area | | Surface | 160 | 280 | 1400 | 1900 | 2000 | 2200 | 1700 | 400 | 25 |
| Simpevarp area | | Bottom | 157 | 550 | 1800 | 1900 | 2000 | 2300 | 1800 | 300 | 14 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 3.7 | 4.8 | 5.1 | 5.7 | 13 | 5.4 | 1 | 27 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 2.8 | 3.5 | 3.7 | 4.0 | 5.6 | 3.8 | 0.5 | 14 |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | 1.9 | 5.3 | 5.8 | 6.2 | 9.7 | 5.7 | 1 | 21 |
| Bolundskogen | PFM000069 | Surface | 48 | 3.3 | 12 | 16 | 21 | 33 | 17 | 6 | 37 |
| Kungsträsket | PFM000068 | Surface | 48 | 4.3 | 9.5 | 13 | 18 | 31 | 14 | 6 | 45 |
| Lillputtsundet | PFM000067 | Surface | 44 | 13 | 21 | 31 | 59 | 100 | 41 | 30 | 62 |
| Flottbron | PFM000072 | Surface | 40 | 14 | 22 | 30 | 43 | 76 | 35 | 20 | 52 |
| Söder Bredviken | PFM000073 | Surface | 23 | 6.5 | 8.7 | 10 | 11 | 14 | 10 | 2 | 20 |
| Forsmark area | | Surface | 317 | 1.9 | 5.6 | 12 | 22 | 100 | 17 | 20 | 100 |
| Simpevarp area | | Surface | 556 | 2.7 | 6.1 | 8.6 | 11 | 31 | 8.9 | 4 | 42 |
| Sweden | N.S.2000 | Surface | 725 | 0.48 | 1.4 | 2.9 | 6.7 | 120 | 5.5 | 9 | 160 |

Surface Water

| Sr | | | Strontium (mg/l) | | | | | | | | Sr |
|------------------------|-----------|---------|------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 0.057 | 0.069 | 0.077 | 0.085 | 0.10 | 0.078 | 0.01 | 14 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 0.063 | 0.079 | 0.082 | 0.091 | 0.53 | 0.098 | 0.07 | 73 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 0.070 | 0.089 | 0.092 | 0.11 | 0.13 | 0.097 | 0.02 | 16 |
| Eckarfjärden | PFM000117 | Surface | 45 | 0.015 | 0.049 | 0.050 | 0.052 | 0.067 | 0.051 | 0.008 | 15 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 0.046 | 0.050 | 0.053 | 0.058 | 0.065 | 0.055 | 0.006 | 10 |
| Bolundsfjärden | PFM000107 | Surface | 47 | 0.031 | 0.077 | 0.085 | 0.099 | 0.12 | 0.088 | 0.02 | 18 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 0.079 | 0.099 | 0.11 | 0.11 | 0.32 | 0.12 | 0.05 | 46 |
| Norra bassängen | PFM000097 | Surface | 37 | 0.067 | 0.079 | 0.098 | 0.11 | 0.27 | 0.11 | 0.04 | 42 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 0.070 | 0.073 | 0.081 | 0.085 | 0.096 | 0.080 | 0.008 | 9.9 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 0.070 | 0.075 | 0.082 | 0.092 | 0.099 | 0.084 | 0.01 | 13 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 0.070 | 0.075 | 0.082 | 0.11 | 0.16 | 0.097 | 0.03 | 30 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Forsmark area | | Surface | 247 | 0.015 | 0.069 | 0.079 | 0.091 | 0.53 | 0.083 | 0.04 | 48 |
| Forsmark area | | Bottom | 74 | 0.046 | 0.065 | 0.090 | 0.11 | 0.32 | 0.090 | 0.04 | 44 |
| Simpevarp area | | Surface | 112 | 0.033 | 0.038 | 0.045 | 0.053 | 0.063 | 0.046 | 0.008 | 17 |
| Simpevarp area | | Bottom | 112 | 0.032 | 0.039 | 0.047 | 0.054 | 0.066 | 0.047 | 0.009 | 18 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 0.95 | 1.0 | 1.1 | 1.1 | 1.2 | 1.1 | 0.05 | 5.0 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 0.98 | 1.0 | 1.0 | 1.0 | 1.1 | 1.0 | 0.03 | 2.7 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 0.73 | 1.0 | 1.0 | 1.1 | 1.1 | 1.0 | 0.1 | 12 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 0.04 | 3.8 |
| Tixelfjärden | PFM000063 | Surface | 41 | 0.65 | 1.0 | 1.0 | 1.1 | 1.2 | 1.0 | 0.1 | 11 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 0.97 | 1.0 | 1.0 | 1.0 | 1.1 | 1.0 | 0.04 | 3.4 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.02 | 1.5 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.99 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.03 | 2.9 |
| Kallriga, norra | PFM000064 | Surface | 37 | 0.17 | 0.74 | 0.99 | 1.0 | 1.1 | 0.86 | 0.2 | 29 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 0.51 | 0.88 | 0.98 | 0.99 | 1.1 | 0.92 | 0.1 | 13 |
| Kallriga, södra | PFM000065 | Surface | 36 | 0.10 | 0.73 | 0.98 | 1.0 | 1.1 | 0.83 | 0.3 | 37 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.16 | 0.22 | 0.33 | 0.88 | 1.1 | 0.53 | 0.4 | 77 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.16 | 0.84 | 0.87 | 0.90 | 1.1 | 0.77 | 0.4 | 46 |
| Forsmark area | | Surface | 175 | 0.10 | 0.96 | 1.0 | 1.1 | 1.2 | 0.94 | 0.2 | 25 |
| Forsmark area | | Bottom | 72 | 0.16 | 0.98 | 1.0 | 1.0 | 1.2 | 0.99 | 0.1 | 14 |
| Simpevarp area | | Surface | 160 | 0.24 | 1.1 | 1.4 | 1.4 | 1.6 | 1.2 | 0.3 | 24 |
| Simpevarp area | | Bottom | 157 | 0.41 | 1.3 | 1.4 | 1.5 | 1.6 | 1.3 | 0.2 | 13 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 0.051 | 0.064 | 0.068 | 0.074 | 0.13 | 0.070 | 0.01 | 19 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 0.054 | 0.069 | 0.076 | 0.083 | 0.092 | 0.076 | 0.009 | 11 |
| Norr Eckarfjärden | PFM000070 | Surface | 40 | 0.011 | 0.048 | 0.050 | 0.052 | 0.069 | 0.050 | 0.010 | 20 |
| Bolundskogen | PFM000069 | Surface | 48 | 0.040 | 0.087 | 0.094 | 0.10 | 0.13 | 0.094 | 0.02 | 19 |
| Kungsträsket | PFM000068 | Surface | 48 | 0.047 | 0.074 | 0.088 | 0.098 | 0.13 | 0.088 | 0.02 | 23 |
| Lillputtsundet | PFM000067 | Surface | 44 | 0.057 | 0.079 | 0.090 | 0.11 | 0.15 | 0.094 | 0.02 | 20 |
| Flottbron | PFM000072 | Surface | 40 | 0.053 | 0.081 | 0.092 | 0.10 | 0.18 | 0.096 | 0.03 | 27 |
| Söder Bredviken | PFM000073 | Surface | 22 | 0.15 | 0.20 | 0.22 | 0.24 | 0.26 | 0.22 | 0.03 | 15 |
| Forsmark area | | Surface | 315 | 0.011 | 0.068 | 0.082 | 0.10 | 0.26 | 0.091 | 0.04 | 46 |
| Simpevarp area | | Surface | 555 | 0.021 | 0.042 | 0.053 | 0.068 | 0.76 | 0.059 | 0.05 | 83 |

Surface Water

| Sr-87 | | | Strontium-87 (Sr87/Sr86) (ratio) | | | | | | | | Sr-87 | |
|------------------------|-----------|---------|----------------------------------|--------|--------|---------------|--------|--------|--------|----------|--------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 3 | 0.7197 | 0.7211 | 0.7226 | 0.7226 | 0.7227 | 0.7216 | 0.00169 | 0.23 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 3 | 0.7232 | 0.7233 | 0.7234 | 0.7235 | 0.7236 | 0.7234 | 0.000206 | 0.029 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.7231 | 0.7231 | 0.7232 | 0.7233 | 0.7234 | 0.7232 | 0.000154 | 0.021 | |
| Eckarfjärden | PFM000117 | Surface | 1 | 0.7243 | | 0.7243 | | 0.7243 | 0.7243 | | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | 0.7233 | | 0.7233 | | 0.7233 | 0.7233 | | | |
| Bolundsfjärden | PFM000107 | Surface | 2 | 0.7191 | 0.7193 | 0.7195 | 0.7197 | 0.7199 | 0.7195 | 0.000499 | 0.069 | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | 0.7198 | | 0.7198 | | 0.7198 | 0.7198 | | | |
| Norra bassängen | PFM000097 | Surface | 1 | 0.7230 | | 0.7230 | | 0.7230 | 0.7230 | | | |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.7203 | | 0.7203 | | 0.7203 | 0.7203 | | | |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.7203 | | 0.7203 | | 0.7203 | 0.7203 | | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | 0.7209 | | 0.7209 | | 0.7209 | 0.7209 | | | |
| Forsmark area | | Surface | 12 | 0.7191 | 0.7202 | 0.7226 | 0.7233 | 0.7243 | 0.7219 | 0.00179 | 0.25 | |
| Forsmark area | | Bottom | 6 | 0.7198 | 0.7210 | 0.7231 | 0.7233 | 0.7234 | 0.7222 | 0.00163 | 0.23 | |
| Simpevarp area | | Surface | 8 | 0.7208 | 0.7219 | 0.7220 | 0.7221 | 0.7280 | 0.7226 | 0.00223 | 0.31 | |
| Simpevarp area | | Bottom | 8 | 0.7205 | 0.7219 | 0.7219 | 0.7220 | 0.7280 | 0.7225 | 0.00229 | 0.32 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 2 | 0.7094 | 0.7094 | 0.7094 | 0.7094 | 0.7094 | 0.7094 | | 0.0035 | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | 0.7095 | | 0.7095 | | 0.7095 | 0.7095 | | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.7095 | | 0.7095 | | 0.7095 | 0.7095 | | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.7095 | | 0.7095 | | 0.7095 | 0.7095 | | | |
| Tixelfjärden | PFM000063 | Surface | 3 | 0.7094 | 0.7095 | 0.7095 | 0.7095 | 0.7095 | 0.7095 | | 0.0044 | |
| Tixelfjärden | PFM000063 | Bottom | 2 | 0.7094 | 0.7094 | 0.7095 | 0.7095 | 0.7095 | 0.7095 | | 0.010 | |
| Kallriga, norra | PFM000064 | Surface | 2 | 0.7095 | 0.7095 | 0.7095 | 0.7095 | 0.7095 | 0.7095 | | 0.0015 | |
| Kallriga, norra | PFM000064 | Bottom | 1 | 0.7107 | | 0.7107 | | 0.7107 | 0.7107 | | | |
| Kallriga, södra | PFM000065 | Surface | 3 | 0.7094 | 0.7095 | 0.7095 | 0.7096 | 0.7097 | 0.7095 | 0.000148 | 0.021 | |
| Forsmark area | | Surface | 12 | 0.7094 | 0.7094 | 0.7095 | 0.7095 | 0.7097 | 0.7095 | | 0.012 | |
| Forsmark area | | Bottom | 6 | 0.7094 | 0.7095 | 0.7095 | 0.7095 | 0.7107 | 0.7097 | 0.000503 | 0.071 | |
| Simpevarp area | | Surface | 23 | 0.7094 | 0.7094 | 0.7095 | 0.7096 | 0.7104 | 0.7096 | 0.000250 | 0.035 | |
| Simpevarp area | | Bottom | 23 | 0.7094 | 0.7094 | 0.7094 | 0.7095 | 0.7099 | 0.7095 | 0.000124 | 0.017 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 1 | 0.7230 | | 0.7230 | | 0.7230 | 0.7230 | | | |
| Norr Eckarfjärden | PFM000070 | Surface | 1 | 0.7223 | | 0.7223 | | 0.7223 | 0.7223 | | | |
| Bolundskogen | PFM000069 | Surface | 1 | 0.7204 | | 0.7204 | | 0.7204 | 0.7204 | | | |
| Kungsträsket | PFM000068 | Surface | 2 | 0.7206 | 0.7217 | 0.7229 | 0.7240 | 0.7251 | 0.7229 | 0.00322 | 0.45 | |
| Lillputtsundet | PFM000067 | Surface | 2 | 0.7187 | 0.7190 | 0.7192 | 0.7195 | 0.7198 | 0.7192 | 0.000822 | 0.11 | |
| Flottbron | PFM000072 | Surface | 2 | 0.7199 | 0.7199 | 0.7200 | 0.7200 | 0.7201 | 0.7200 | 0.000162 | 0.022 | |
| Forsmark area | | Surface | 9 | 0.7187 | 0.7199 | 0.7204 | 0.7223 | 0.7251 | 0.7211 | 0.00201 | 0.28 | |
| Simpevarp area | | Surface | 65 | 0.7186 | 0.7201 | 0.7213 | 0.7225 | 0.7263 | 0.7215 | 0.00191 | 0.26 | |

| S2 (HS) | | | Hydrogen sulphide as total sulphide (mg/l) | | | | | | | | S2 (HS) | |
|------------------------|-----------|---------|--|--------|--------|-----------------|--------|--------|--------|-------|---------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Norra bassängen | PFM000097 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Forsmark area | | Surface | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | | |
| Forsmark area | | Bottom | 2 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | | |
| Simpevarp area | | Surface | 3 | 0.0040 | 0.0075 | 0.011 | 0.011 | 0.011 | 0.0087 | 0.004 | 47 | |
| Simpevarp area | | Bottom | 1 | 0.0070 | | 0.0070 | | 0.0070 | 0.0070 | | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | 0.020 | | 0.020 | | 0.020 | 0.020 | | | |
| Forsmark area | | Bottom | 1 | 0.020 | | 0.020 | | 0.020 | 0.020 | | | |
| Simpevarp area | | Surface | 8 | 0.0010 | 0.0030 | 0.0055 | 0.0073 | 0.015 | 0.0060 | 0.004 | 72 | |
| Simpevarp area | | Bottom | 8 | 0.0010 | 0.0038 | 0.0055 | 0.0075 | 0.020 | 0.0069 | 0.006 | 85 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Kungsträsket | PFM000068 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | | |
| Flottbron | PFM000072 | Surface | 2 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | | |
| Forsmark area | | Surface | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | | |
| Simpevarp area | | Surface | 17 | 0.0090 | 0.011 | 0.015 | 0.019 | 0.036 | 0.017 | 0.008 | 46 | |

Surface Water

| SO4 | | | Sulphate (mg/l) | | | | | | | | SO4 |
|------------------------|-----------|---------|-----------------|------|------|------------|------|------|------|------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 42 | 2.8 | 4.9 | 5.8 | 12 | 34 | 9.0 | 7 | 76 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 5.3 | 8.3 | 11 | 16 | 49 | 15 | 10 | 67 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 5.4 | 6.5 | 8.3 | 28 | 360 | 32 | 70 | 230 |
| Eckarfjärden | PFM000117 | Surface | 45 | 3.0 | 5.2 | 6.4 | 7.1 | 12 | 6.7 | 2 | 32 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 4.2 | 4.5 | 5.1 | 7.7 | 10 | 6.1 | 2 | 33 |
| Bolundsfjärden | PFM000107 | Surface | 46 | 9.0 | 14 | 16 | 18 | 27 | 17 | 4 | 24 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 14 | 18 | 19 | 23 | 110 | 27 | 20 | 90 |
| Norra bassängen | PFM000097 | Surface | 37 | 13 | 15 | 21 | 25 | 72 | 23 | 10 | 51 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 14 | 15 | 16 | 18 | 19 | 16 | 2 | 11 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 13 | 14 | 15 | 15 | 18 | 15 | 1 | 9.2 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 12 | 17 | 20 | 23 | 33 | 22 | 7 | 32 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 37 | | 37 | | 37 | 37 | | |
| Forsmark area | | Surface | 246 | 2.4 | 6.9 | 14 | 18 | 72 | 14 | 9 | 65 |
| Forsmark area | | Bottom | 74 | 4.2 | 6.4 | 14 | 19 | 360 | 21 | 40 | 200 |
| Simpevarp area | | Surface | 112 | 6.4 | 9.4 | 12 | 15 | 24 | 13 | 5 | 35 |
| Simpevarp area | | Bottom | 112 | 5.9 | 10 | 12 | 15 | 24 | 13 | 5 | 34 |
| Sweden | N.S.2000 | Surface | 3464 | 0.24 | 1.4 | 2.8 | 5.9 | 1100 | 6.0 | 20 | 400 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 330 | 370 | 390 | 400 | 480 | 390 | 30 | 7.0 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 320 | 360 | 360 | 370 | 390 | 360 | 10 | 3.9 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 260 | 320 | 360 | 380 | 400 | 350 | 50 | 13 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 330 | 370 | 380 | 390 | 410 | 380 | 30 | 7.4 |
| Tixelfjärden | PFM000063 | Surface | 41 | 220 | 360 | 380 | 390 | 430 | 370 | 40 | 11 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 350 | 360 | 370 | 380 | 410 | 370 | 20 | 4.6 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 320 | 330 | 330 | 340 | 360 | 340 | 20 | 5.0 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 340 | 360 | 380 | 410 | 450 | 390 | 60 | 15 |
| Kallriga, norra | PFM000064 | Surface | 37 | 66 | 270 | 350 | 360 | 370 | 300 | 80 | 28 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 190 | 320 | 340 | 350 | 370 | 330 | 40 | 12 |
| Kallriga, södra | PFM000065 | Surface | 36 | 48 | 270 | 350 | 360 | 380 | 290 | 100 | 35 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 46 | 47 | 53 | 140 | 300 | 120 | 100 | 93 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 54 | 280 | 300 | 370 | 430 | 290 | 100 | 49 |
| Forsmark area | | Surface | 175 | 46 | 330 | 360 | 380 | 480 | 330 | 90 | 26 |
| Forsmark area | | Bottom | 72 | 54 | 350 | 360 | 380 | 450 | 360 | 50 | 14 |
| Simpevarp area | | Surface | 160 | 53 | 380 | 500 | 530 | 590 | 450 | 100 | 25 |
| Simpevarp area | | Bottom | 157 | 150 | 460 | 510 | 540 | 620 | 490 | 70 | 15 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 3.7 | 5.8 | 9.5 | 17 | 80 | 14 | 10 | 99 |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 1.1 | 3.9 | 5.7 | 7.4 | 52 | 7.5 | 9 | 110 |
| Norr Eckarfjärden | PFM000070 | Surface | 40 | 1.7 | 4.0 | 6.1 | 8.0 | 45 | 7.8 | 8 | 100 |
| Bolundskogen | PFM000069 | Surface | 48 | 5.6 | 9.3 | 13 | 17 | 50 | 15 | 8 | 54 |
| Kungsträsket | PFM000068 | Surface | 47 | 4.6 | 9.8 | 12 | 16 | 60 | 15 | 10 | 69 |
| Lillputtsundet | PFM000067 | Surface | 42 | 7.8 | 14 | 18 | 21 | 30 | 18 | 5 | 28 |
| Flottbron | PFM000072 | Surface | 39 | 6.8 | 12 | 17 | 30 | 72 | 25 | 20 | 74 |
| Söder Bredviken | PFM000073 | Surface | 23 | 27 | 46 | 61 | 69 | 94 | 58 | 20 | 30 |
| Forsmark area | | Surface | 312 | 1.1 | 7.1 | 13 | 21 | 94 | 18 | 20 | 94 |
| Simpevarp area | | Surface | 573 | 0.92 | 8.6 | 13 | 18 | 66 | 16 | 10 | 68 |
| Sweden | N.S.2000 | Surface | 725 | 0.38 | 1.9 | 4.0 | 12 | 170 | 11 | 20 | 170 |

Surface Water

| SO4-S | | | Sulphate as sulphur (mg/l) | | | | | | | | SO4-S | |
|------------------------|-----------|---------|----------------------------|------|------|--------|------|-----|------|------|-------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 42 | 1.4 | 2.1 | 2.5 | 4.4 | 14 | 3.6 | 3 | 73 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | 2.3 | 3.3 | 4.0 | 6.0 | 18 | 5.4 | 3 | 64 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 2.2 | 3.0 | 3.4 | 9.7 | 16 | 6.1 | 4 | 70 | |
| Eckarfjärden | PFM000117 | Surface | 45 | 0.43 | 2.2 | 2.6 | 2.8 | 4.4 | 2.6 | 0.7 | 26 | |
| Eckarfjärden | PFM000117 | Bottom | 21 | 1.8 | 2.1 | 2.3 | 3.1 | 3.7 | 2.5 | 0.6 | 24 | |
| Bolundsfjärden | PFM000107 | Surface | 47 | 1.1 | 5.1 | 5.7 | 6.8 | 9.3 | 6.0 | 2 | 26 | |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 5.3 | 6.4 | 7.2 | 8.5 | 35 | 9.2 | 7 | 73 | |
| Norra bassängen | PFM000097 | Surface | 37 | 4.6 | 5.7 | 7.2 | 8.8 | 25 | 8.2 | 4 | 50 | |
| Fiskarfjärden | PFM000127 | Surface | 14 | 5.0 | 5.7 | 6.0 | 6.7 | 7.2 | 6.1 | 0.6 | 10 | |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 5.0 | 5.3 | 5.7 | 6.2 | 6.6 | 5.8 | 0.6 | 11 | |
| Fiskarfjärden | PFM000135 | Surface | 17 | 4.8 | 5.8 | 7.0 | 8.4 | 11 | 7.4 | 2 | 27 | |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 12 | | 12 | | 12 | 12 | | | |
| Forsmark area | | Surface | 247 | 0.43 | 2.7 | 4.9 | 6.5 | 25 | 5.2 | 3 | 61 | |
| Forsmark area | | Bottom | 74 | 1.8 | 2.7 | 5.3 | 7.1 | 35 | 6.0 | 5 | 83 | |
| Simpevarp area | | Surface | 112 | 2.7 | 3.6 | 4.3 | 5.5 | 8.4 | 4.7 | 1 | 32 | |
| Simpevarp area | | Bottom | 112 | 2.5 | 3.7 | 4.4 | 5.5 | 8.6 | 4.8 | 1 | 30 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 42 | 110 | 120 | 120 | 130 | 140 | 120 | 7 | 5.4 | |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 110 | 120 | 120 | 120 | 130 | 120 | 6 | 4.7 | |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 86 | 120 | 120 | 120 | 130 | 120 | 10 | 12 | |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 120 | 120 | 120 | 130 | 140 | 120 | 6 | 5.1 | |
| Tixelfjärden | PFM000063 | Surface | 41 | 77 | 120 | 120 | 130 | 140 | 120 | 10 | 10 | |
| Tixelfjärden | PFM000063 | Bottom | 21 | 110 | 120 | 120 | 130 | 130 | 120 | 5 | 4.4 | |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 110 | 110 | 120 | 120 | 120 | 120 | 5 | 4.5 | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 120 | 120 | 120 | 120 | 120 | 120 | 2 | 2.0 | |
| Kallriga, norra | PFM000064 | Surface | 37 | 21 | 87 | 110 | 120 | 130 | 100 | 30 | 28 | |
| Kallriga, norra | PFM000064 | Bottom | 19 | 60 | 100 | 110 | 120 | 130 | 110 | 10 | 13 | |
| Kallriga, södra | PFM000065 | Surface | 36 | 14 | 85 | 110 | 120 | 120 | 95 | 30 | 35 | |
| Alt. Kallriga | PFM000084 | Surface | 5 | 17 | 27 | 41 | 100 | 130 | 63 | 50 | 78 | |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 18 | 98 | 100 | 110 | 120 | 90 | 40 | 46 | |
| Forsmark area | | Surface | 175 | 14 | 110 | 120 | 120 | 140 | 110 | 30 | 24 | |
| Forsmark area | | Bottom | 72 | 18 | 110 | 120 | 120 | 140 | 120 | 20 | 14 | |
| Simpevarp area | | Surface | 160 | 27 | 120 | 160 | 170 | 190 | 140 | 30 | 24 | |
| Simpevarp area | | Bottom | 157 | 50 | 150 | 160 | 170 | 190 | 150 | 20 | 14 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 40 | 1.7 | 2.1 | 3.3 | 6.0 | 23 | 4.9 | 4 | 84 | |
| Söder Eckarfjärden | PFM000071 | Surface | 33 | 0.55 | 1.5 | 2.2 | 3.0 | 16 | 2.7 | 3 | 97 | |
| Norr Eckarfjärden | PFM000070 | Surface | 41 | 1.1 | 2.0 | 2.5 | 3.0 | 14 | 3.0 | 2 | 82 | |
| Bolundskogen | PFM000069 | Surface | 48 | 1.7 | 3.9 | 5.1 | 6.2 | 16 | 5.4 | 2 | 46 | |
| Kungsträsket | PFM000068 | Surface | 48 | 1.2 | 3.8 | 4.3 | 5.7 | 18 | 5.2 | 3 | 58 | |
| Lillputtsundet | PFM000067 | Surface | 44 | 3.1 | 5.5 | 6.4 | 7.5 | 11 | 6.5 | 2 | 26 | |
| Flottbron | PFM000072 | Surface | 40 | 3.2 | 4.8 | 6.3 | 10 | 22 | 8.8 | 6 | 66 | |
| Söder Bredviken | PFM000073 | Surface | 23 | 10 | 15 | 19 | 22 | 31 | 19 | 6 | 30 | |
| Forsmark area | | Surface | 317 | 0.55 | 2.9 | 4.7 | 7.1 | 31 | 6.3 | 5 | 84 | |
| Simpevarp area | | Surface | 556 | 1.0 | 3.5 | 4.8 | 6.8 | 21 | 5.8 | 3 | 61 | |

Surface Water

| S-34 | | | Sulphur-34 (dev. CDT) | | | | | | | | S-34 | |
|------------------------|-----------|---------|-----------------------|--------|--------|---------------|------|--------|--------|------|------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 4 | 0.200 | 3.13 | 5.35 | 9.93 | 19.9 | 7.70 | 8.5 | 110 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 3 | -1.00 | 2.25 | 5.50 | 5.90 | 6.30 | 3.60 | 4.0 | 110 | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | -0.500 | 2.75 | 6.00 | 6.30 | 6.60 | 4.03 | 3.9 | 98 | |
| Eckarfjärden | PFM000117 | Surface | 2 | 3.40 | 3.58 | 3.75 | 3.93 | 4.10 | 3.75 | 0.49 | 13 | |
| Bolundsfjärden | PFM000107 | Surface | 3 | 5.20 | 5.75 | 6.30 | 8.30 | 10.3 | 7.27 | 2.7 | 37 | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | 6.20 | | 6.20 | | 6.20 | 6.20 | | | |
| Norra bassängen | PFM000097 | Surface | 2 | 6.10 | 6.55 | 7.00 | 7.45 | 7.90 | 7.00 | 1.3 | 18 | |
| Fiskarfjärden | PFM000127 | Surface | 1 | 1.90 | | 1.90 | | 1.90 | 1.90 | | | |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 5.20 | | 5.20 | | 5.20 | 5.20 | | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | -0.400 | | -0.400 | | -0.400 | -0.400 | | | |
| Forsmark area | | Surface | 16 | -1.00 | 3.03 | 5.35 | 6.38 | 19.9 | 5.40 | 4.9 | 91 | |
| Forsmark area | | Bottom | 5 | -0.500 | 5.20 | 6.00 | 6.20 | 6.60 | 4.70 | 3.0 | 63 | |
| Simpevarp area | | Surface | 10 | 0.900 | 2.18 | 3.50 | 4.43 | 8.80 | 3.95 | 2.6 | 67 | |
| Simpevarp area | | Bottom | 9 | 0.700 | 2.40 | 3.00 | 5.10 | 8.30 | 3.79 | 2.6 | 68 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 3 | 20.5 | 20.6 | 20.7 | 20.8 | 20.8 | 20.7 | 0.15 | 0.74 | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | 21.4 | | 21.4 | | 21.4 | 21.4 | | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 20.2 | | 20.2 | | 20.2 | 20.2 | | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 19.9 | | 19.9 | | 19.9 | 19.9 | | | |
| Tixelfjärden | PFM000063 | Surface | 4 | 19.8 | 19.9 | 20.1 | 20.4 | 21.0 | 20.2 | 0.54 | 2.7 | |
| Tixelfjärden | PFM000063 | Bottom | 2 | 20.0 | 20.2 | 20.4 | 20.5 | 20.7 | 20.4 | 0.49 | 2.4 | |
| Kallriga, norra | PFM000064 | Surface | 3 | 19.3 | 20.1 | 20.8 | 20.9 | 21.0 | 20.4 | 0.93 | 4.6 | |
| Kallriga, norra | PFM000064 | Bottom | 1 | 20.6 | | 20.6 | | 20.6 | 20.6 | | | |
| Kallriga, södra | PFM000065 | Surface | 4 | 17.2 | 18.5 | 19.9 | 20.9 | 21.0 | 19.5 | 1.8 | 9.3 | |
| Forsmark area | | Surface | 16 | 17.2 | 19.9 | 20.6 | 20.9 | 21.0 | 20.2 | 1.0 | 5.1 | |
| Forsmark area | | Bottom | 6 | 19.9 | 20.2 | 20.7 | 21.1 | 21.4 | 20.6 | 0.61 | 3.0 | |
| Simpevarp area | | Surface | 31 | 16.3 | 19.3 | 20.2 | 21.0 | 23.1 | 20.0 | 1.6 | 8.2 | |
| Simpevarp area | | Bottom | 30 | 17.8 | 19.3 | 20.4 | 20.7 | 21.9 | 20.1 | 1.0 | 5.1 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 2 | 4.10 | 5.00 | 5.90 | 6.80 | 7.70 | 5.90 | 2.5 | 43 | |
| Norr Eckarfjärden | PFM000070 | Surface | 2 | 3.80 | 4.20 | 4.60 | 5.00 | 5.40 | 4.60 | 1.1 | 25 | |
| Bolundskogen | PFM000069 | Surface | 1 | 8.90 | | 8.90 | | 8.90 | 8.90 | | | |
| Kungsträsket | PFM000068 | Surface | 3 | 0.600 | 1.70 | 2.80 | 5.90 | 9.00 | 4.13 | 4.4 | 110 | |
| Lillputtsundet | PFM000067 | Surface | 3 | 4.70 | 6.00 | 7.30 | 8.85 | 10.4 | 7.47 | 2.9 | 38 | |
| Flottbron | PFM000072 | Surface | 3 | -2.10 | -0.950 | 0.200 | 4.10 | 8.00 | 2.03 | 5.3 | 260 | |
| Söder Bredviken | PFM000073 | Surface | 1 | -10.3 | | -10.3 | | -10.3 | -10.3 | | | |
| Forsmark area | | Surface | 15 | -10.3 | 1.70 | 4.70 | 7.85 | 10.4 | 4.03 | 5.4 | 130 | |
| Simpevarp area | | Surface | 80 | -1.10 | 4.63 | 6.30 | 8.30 | 15.1 | 6.42 | 3.0 | 47 | |

Surface Water

| Tb | | | Terbium (µg/l) | | | | | | | | Tb |
|------------------------|-----------|---------|----------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 100 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 62 |
| Eckarfjärden | PFM000117 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 150 |
| Eckarfjärden | PFM000117 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.02 | 120 |
| Bolundsfjärden | PFM000107 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 110 |
| Bolundsfjärden | PFM000107 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 49 |
| Norra bassängen | PFM000097 | Surface | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 140 |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.010 | 110 |
| Forsmark area | | Bottom | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 53 |
| Simpevarp area | | Surface | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 1 | <0.05 | | <0.05 | | <0.05 | <0.05 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 190 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <0.3 | | <0.3 | | <0.3 | <0.3 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <0.3 | | <0.3 | | <0.3 | <0.3 | | |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 170 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.07 | 160 |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 210 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 170 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 150 |
| Forsmark area | | Surface | 31 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 160 |
| Forsmark area | | Bottom | 10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 150 |
| Simpevarp area | | Surface | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 58 |
| Simpevarp area | | Bottom | 4 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 58 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 140 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 130 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.0062 | | 0.0062 | | 0.0062 | 0.0062 | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 83 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.010 | 110 |
| Flottbron | PFM000072 | Surface | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 150 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 130 |
| Forsmark area | | Surface | 32 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 110 |
| Simpevarp area | | Surface | 10 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |

Surface Water

| TI | | | Thallium (µg/l) | | | | | | | | TI |
|------------------------|-----------|---------|-----------------|--------|-------|--------|-------|--------|--------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.003 | 25 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 34 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.006 | 51 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 39 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.006 | 53 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 33 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 40 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 37 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| Forsmark area | | Surface | 39 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 31 |
| Forsmark area | | Bottom | 10 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 39 |
| Simpevarp area | | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | |
| Simpevarp area | | Bottom | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.06 | 80 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.02 | 42 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.03 | 95 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.03 | 93 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.06 | 87 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 74 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0089 | | 0.0089 | | 0.0089 | 0.0089 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 110 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.06 | 65 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.04 | 100 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.0098 | | 0.0098 | | 0.0098 | 0.0098 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Forsmark area | | Surface | 35 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 94 |
| Forsmark area | | Bottom | 13 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 82 |
| Simpevarp area | | Surface | 4 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | | |
| Simpevarp area | | Bottom | 4 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 41 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 32 |
| Bolundskogen | PFM000069 | Surface | 1 | <0.03 | | <0.03 | | <0.03 | <0.03 | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.002 | 13 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 29 |
| Flottbron | PFM000072 | Surface | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 32 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.002 | 17 |
| Forsmark area | | Surface | 33 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.004 | 27 |
| Simpevarp area | | Surface | 10 | <0.03 | <0.03 | <0.03 | <0.03 | 0.060 | <0.03 | 0.01 | 73 |

Surface Water

| Th | | | Thorium (µg/l) | | | | | | | | Th |
|------------------------|-----------|---------|----------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | <0.02 | <0.02 | <0.02 | <0.02 | 0.026 | <0.02 | 0.006 | 49 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.02 | <0.02 | <0.02 | <0.02 | 0.026 | <0.02 | 0.007 | 48 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.02 | <0.02 | 0.021 | 0.026 | 0.030 | 0.020 | 0.01 | 49 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.02 | <0.02 | <0.02 | <0.02 | 0.040 | <0.02 | 0.01 | 72 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.02 | 0.021 | 0.032 | 0.035 | 0.038 | 0.027 | 0.01 | 55 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.02 | <0.02 | <0.02 | 0.030 | 0.053 | 0.022 | 0.02 | 77 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.02 | 0.023 | 0.036 | 0.039 | 0.043 | 0.030 | 0.02 | 59 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.02 | <0.02 | <0.02 | 0.028 | 0.050 | 0.022 | 0.02 | 71 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| Forsmark area | | Surface | 39 | <0.02 | <0.02 | <0.02 | 0.026 | 0.053 | <0.02 | 0.01 | 70 |
| Forsmark area | | Bottom | 10 | <0.02 | <0.02 | 0.026 | 0.035 | 0.043 | 0.024 | 0.01 | 55 |
| Simpevarp area | | Surface | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Simpevarp area | | Bottom | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | 0.07 | 65 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.03 | 94 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.03 | 94 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 45 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 40 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.021 | | 0.021 | | 0.021 | 0.021 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 45 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 43 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.2 | <0.2 | <0.2 | <0.2 | 0.32 | <0.2 | 0.10 | 110 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.12 | | 0.12 | | 0.12 | 0.12 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.14 | | 0.14 | | 0.14 | 0.14 | | |
| Forsmark area | | Surface | 35 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | 0.06 | 77 |
| Forsmark area | | Bottom | 13 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | <0.4 | 0.04 | 61 |
| Simpevarp area | | Surface | 4 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | | |
| Simpevarp area | | Bottom | 4 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.02 | <0.02 | <0.02 | 0.027 | 0.029 | <0.02 | 0.010 | 54 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.02 | <0.02 | <0.02 | 0.021 | 0.043 | <0.02 | 0.01 | 75 |
| Bolundskogen | PFM000069 | Surface | 1 | <0.02 | | <0.02 | | <0.02 | <0.02 | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.02 | 0.035 | 0.039 | 0.049 | 0.056 | 0.038 | 0.02 | 43 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.02 | <0.02 | <0.02 | 0.024 | 0.051 | 0.021 | 0.02 | 85 |
| Flottbron | PFM000072 | Surface | 5 | <0.02 | <0.02 | <0.02 | <0.02 | 0.021 | <0.02 | 0.005 | 40 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| Forsmark area | | Surface | 33 | <0.02 | <0.02 | <0.02 | 0.028 | 0.056 | 0.020 | 0.01 | 73 |
| Simpevarp area | | Surface | 10 | <0.02 | <0.02 | 0.027 | 0.035 | 0.042 | 0.025 | 0.01 | 55 |

Surface Water

| Th-230 | | | Thorium-230 (mBq/kg) | | | | | | | Th-230 | |
|------------------------|-----------|---------|-----------------------------|------------|-------------|---------------|-------------|------------|-------------|---------------|------------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | 50 | | 50 | | 50 | 50 | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Norra bassängen | PFM000097 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | | Surface | 6 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Bottom | 3 | <50 | <50 | <50 | <50 | 50 | <50 | 10 | 43 |
| Simpevarp area | | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Simpevarp area | | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Bottom | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Bottom | 1 | 100 | | 100 | | 100 | 100 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Surface | 7 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Bottom | 5 | <50 | <50 | <50 | <50 | 100 | <50 | 30 | 84 |
| Simpevarp area | | Surface | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Bottom | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 10 | <50 | <50 | <50 | <50 | <50 | <50 | | |

| Th-232 | | | Thorium-232 (mBq/kg) | | | | | | | Th-232 | |
|------------------------|-----------|---------|-----------------------------|------------|-------------|---------------|-------------|------------|-------------|---------------|------------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Norra bassängen | PFM000097 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | | Surface | 6 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Bottom | 3 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Simpevarp area | | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Bottom | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Surface | 7 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Bottom | 5 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Surface | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Bottom | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 10 | <50 | <50 | <50 | <50 | <50 | <50 | | |

Surface Water

| Tm | | | Thullium (µg/l) | | | | | | | | Tm |
|------------------------|-----------|---------|-----------------|--------|--------|--------|--------|--------|--------|--------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0002 | 6.2 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0003 | 12 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0059 | <0.005 | 0.002 | 46 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0006 | 26 |
| Eckarfjärden | PFM000117 | Bottom | 3 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0008 | 26 |
| Bolundsfjärden | PFM000107 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0054 | <0.005 | 0.001 | 38 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0052 | <0.005 | 0.001 | 36 |
| Norra bassängen | PFM000097 | Surface | 6 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0060 | <0.005 | 0.002 | 52 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| Forsmark area | | Surface | 39 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0060 | <0.005 | 0.0008 | 32 |
| Forsmark area | | Bottom | 10 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0059 | <0.005 | 0.001 | 36 |
| Simpevarp area | | Surface | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Simpevarp area | | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 69 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.006 | 110 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.006 | 110 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 88 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0016 | | 0.0016 | | 0.0016 | 0.0016 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | <0.001 | | <0.001 | | <0.001 | <0.001 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 91 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 130 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 97 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.0099 | | 0.0099 | | 0.0099 | 0.0099 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.011 | | 0.011 | | 0.011 | 0.011 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 85 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 110 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0003 | 11 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0004 | 19 |
| Bolundskogen | PFM000069 | Surface | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Kungsträsket | PFM000068 | Surface | 6 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0006 | 21 |
| Lillputtsundet | PFM000067 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0053 | <0.005 | 0.001 | 50 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0009 | 43 |
| Söder Bredviken | PFM000073 | Surface | 3 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0007 | 33 |
| Forsmark area | | Surface | 33 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0053 | <0.005 | 0.0007 | 30 |
| Simpevarp area | | Surface | 10 | <0.005 | <0.005 | <0.005 | 0.0059 | 0.0084 | <0.005 | 0.002 | 54 |

Surface Water

| U | | | Uranium (µg/l) | | | | | | | | U |
|------------------------|-----------|---------|----------------|------|------|-------------|------|------|------|-------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | 0.97 | 1.3 | 2.0 | 2.2 | 3.1 | 1.9 | 0.7 | 40 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 2.0 | 2.7 | 3.3 | 3.7 | 4.3 | 3.2 | 0.8 | 26 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 3.3 | 3.4 | 3.5 | 5.3 | 7.2 | 4.6 | 2 | 47 |
| Eckarfjärden | PFM000117 | Surface | 7 | 1.0 | 1.3 | 1.3 | 1.3 | 1.5 | 1.3 | 0.1 | 10.0 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 1.00 | 1.1 | 1.3 | 1.3 | 1.3 | 1.2 | 0.2 | 15 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 1.7 | 1.9 | 2.3 | 2.6 | 3.2 | 2.3 | 0.5 | 23 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 1.7 | 2.0 | 2.4 | 2.7 | 3.1 | 2.4 | 0.7 | 29 |
| Norra bassängen | PFM000097 | Surface | 6 | 1.7 | 1.8 | 2.2 | 2.6 | 3.8 | 2.4 | 0.8 | 33 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 1.5 | | 1.5 | | 1.5 | 1.5 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 1.1 | 1.1 | 1.2 | 1.5 | 2.0 | 1.4 | 0.4 | 30 |
| Forsmark area | | Surface | 39 | 0.97 | 1.3 | 2.0 | 2.5 | 4.3 | 2.1 | 0.9 | 42 |
| Forsmark area | | Bottom | 10 | 1.00 | 1.4 | 2.0 | 3.2 | 7.2 | 2.6 | 2 | 70 |
| Simpevarp area | | Surface | 1 | 0.38 | | 0.38 | | 0.38 | 0.38 | | |
| Simpevarp area | | Bottom | 1 | 0.34 | | 0.34 | | 0.34 | 0.34 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | 0.56 | 0.63 | 0.67 | 0.72 | 0.86 | 0.68 | 0.10 | 14 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | 0.60 | 0.62 | 0.65 | 0.67 | 0.69 | 0.65 | 0.06 | 9.7 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.001 | 0.17 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 0.75 | 0.79 | 0.83 | 0.87 | 0.91 | 0.83 | 0.1 | 14 |
| Tixelfjärden | PFM000063 | Surface | 8 | 0.55 | 0.64 | 0.75 | 0.85 | 0.93 | 0.74 | 0.1 | 19 |
| Tixelfjärden | PFM000063 | Bottom | 4 | 0.60 | 0.63 | 0.70 | 0.77 | 0.82 | 0.70 | 0.10 | 14 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.75 | | 0.75 | | 0.75 | 0.75 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.72 | | 0.72 | | 0.72 | 0.72 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | 0.57 | 0.81 | 1.2 | 1.8 | 2.7 | 1.4 | 0.8 | 55 |
| Kallriga, norra | PFM000064 | Bottom | 3 | 0.76 | 0.91 | 1.1 | 1.1 | 1.2 | 1.0 | 0.2 | 23 |
| Kallriga, södra | PFM000065 | Surface | 8 | 0.65 | 0.85 | 1.4 | 1.8 | 2.4 | 1.4 | 0.7 | 49 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 2.4 | | 2.4 | | 2.4 | 2.4 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 2.4 | | 2.4 | | 2.4 | 2.4 | | |
| Forsmark area | | Surface | 35 | 0.55 | 0.67 | 0.83 | 1.2 | 2.7 | 1.1 | 0.6 | 58 |
| Forsmark area | | Bottom | 13 | 0.60 | 0.69 | 0.75 | 0.91 | 2.4 | 0.92 | 0.5 | 53 |
| Simpevarp area | | Surface | 4 | 0.74 | 0.75 | 0.76 | 0.78 | 0.78 | 0.76 | 0.02 | 2.3 |
| Simpevarp area | | Bottom | 4 | 0.74 | 0.76 | 0.77 | 0.77 | 0.77 | 0.76 | 0.02 | 2.1 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.97 | 1.3 | 1.8 | 2.0 | 4.0 | 1.9 | 1 | 53 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.27 | 0.46 | 0.98 | 1.3 | 1.3 | 0.87 | 0.5 | 55 |
| Bolundskogen | PFM000069 | Surface | 1 | 2.9 | | 2.9 | | 2.9 | 2.9 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 2.4 | 2.9 | 3.0 | 3.2 | 4.3 | 3.1 | 0.6 | 20 |
| Lillputtsundet | PFM000067 | Surface | 5 | 2.0 | 2.2 | 2.3 | 3.0 | 3.1 | 2.5 | 0.5 | 21 |
| Flottbron | PFM000072 | Surface | 5 | 0.46 | 0.46 | 0.59 | 0.76 | 1.0 | 0.65 | 0.2 | 35 |
| Söder Bredviken | PFM000073 | Surface | 3 | 23 | 24 | 25 | 26 | 28 | 25 | 3 | 11 |
| Forsmark area | | Surface | 33 | 0.27 | 1.0 | 2.0 | 3.0 | 28 | 4.0 | 7 | 170 |
| Simpevarp area | | Surface | 10 | 0.16 | 0.30 | 0.76 | 0.95 | 1.9 | 0.79 | 0.6 | 74 |

Surface Water

| U-234 | | | Uranium-234 (mBq/kg) | | | | | | | U-234 | |
|-----------------------|-----------|---------|----------------------|-----|------|--------|------|-----|------|-------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 1 | 70 | | 70 | | 70 | 70 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | 60 | | 60 | | 60 | 60 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | 50 | | 50 | | 50 | 50 | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Norra bassängen | PFM000097 | Surface | 1 | 60 | | 60 | | 60 | 60 | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | | Surface | 6 | <50 | <50 | <50 | 60 | 70 | <50 | 20 | 48 |
| Forsmark area | | Bottom | 3 | <50 | <50 | <50 | <50 | 50 | <50 | 10 | 43 |
| Simpevarp area | | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Simpevarp area | | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 1 | 50 | | 50 | | 50 | 50 | | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Surface | 2 | <50 | <50 | <50 | <50 | 50 | <50 | 20 | 47 |
| Tixelfjärden | PFM000063 | Bottom | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Bottom | 1 | 100 | | 100 | | 100 | 100 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Surface | 7 | <50 | <50 | <50 | <50 | 50 | <50 | 10 | 38 |
| Forsmark area | | Bottom | 5 | <50 | <50 | <50 | <50 | 100 | <50 | 30 | 84 |
| Simpevarp area | | Surface | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Bottom | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 10 | <50 | <50 | <50 | <50 | <50 | <50 | | |

| U-235 | | | Uranium-235 (mBq/kg) | | | | | | | U-235 | |
|-----------------------|-----------|---------|----------------------|-----|------|--------|------|-----|------|-------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Norra bassängen | PFM000097 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | | Surface | 6 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Bottom | 3 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Simpevarp area | | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Bottom | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Surface | 7 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Bottom | 5 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Surface | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Bottom | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 10 | <50 | <50 | <50 | <50 | <50 | <50 | | |

Surface Water

| U-238 | | | Uranium-238 (mBq/kg) | | | | | | | U-238 | |
|-----------------------|-----------|---------|----------------------|-----|------|--------|------|-----|------|-------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 1 | 70 | | 70 | | 70 | 70 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 1 | 60 | | 60 | | 60 | 60 | | |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Eckarfjärden | PFM000117 | Bottom | 1 | 50 | | 50 | | 50 | 50 | | |
| Bolundsfjärden | PFM000107 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Bolundsfjärden | PFM000107 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Norra bassängen | PFM000097 | Surface | 1 | 60 | | 60 | | 60 | 60 | | |
| Fiskarfjärden | PFM000135 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | | Surface | 6 | <50 | <50 | <50 | 60 | 70 | <50 | 20 | 48 |
| Forsmark area | | Bottom | 3 | <50 | <50 | <50 | <50 | 50 | <50 | 10 | 43 |
| Simpevarp area | | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Simpevarp area | | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 1 | 50 | | 50 | | 50 | 50 | | |
| SV Forslingens grund | PFM000062 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | <50 | | <50 | | <50 | <50 | | |
| Tixelfjärden | PFM000063 | Surface | 2 | <50 | <50 | <50 | <50 | 50 | <50 | 20 | 47 |
| Tixelfjärden | PFM000063 | Bottom | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Surface | 1 | <50 | | <50 | | <50 | <50 | | |
| Kallriga, norra | PFM000064 | Bottom | 1 | 100 | | 100 | | 100 | 100 | | |
| Kallriga, södra | PFM000065 | Surface | 2 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | | Surface | 7 | <50 | <50 | <50 | <50 | 50 | <50 | 10 | 38 |
| Forsmark area | | Bottom | 5 | <50 | <50 | <50 | <50 | 100 | <50 | 30 | 84 |
| Simpevarp area | | Surface | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | | Bottom | 4 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 10 | <50 | <50 | <50 | <50 | <50 | <50 | | |

Surface Water

| V | | | Vanadium (µg/l) | | | | | | | | V |
|------------------------|-----------|---------|-----------------|-------|-------|-------------|------|------|------|------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | 0.17 | 0.18 | 0.21 | 0.23 | 0.46 | 0.24 | 0.09 | 38 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.16 | 0.17 | 0.22 | 0.32 | 0.41 | 0.25 | 0.10 | 39 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.17 | 0.18 | 0.18 | 0.20 | 0.21 | 0.19 | 0.02 | 11 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.19 | 0.23 | 0.27 | 0.29 | 0.37 | 0.27 | 0.06 | 21 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.18 | 0.20 | 0.21 | 0.21 | 0.23 | 0.21 | 0.02 | 9.6 |
| Bolundsfjärden | PFM000107 | Surface | 8 | 0.22 | 0.23 | 0.29 | 0.46 | 0.61 | 0.35 | 0.2 | 43 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.22 | 0.22 | 0.23 | 0.24 | 0.26 | 0.23 | 0.02 | 11 |
| Norra bassängen | PFM000097 | Surface | 5 | 0.22 | 0.37 | 0.37 | 0.42 | 0.58 | 0.39 | 0.1 | 33 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.50 | | 0.50 | | 0.50 | 0.50 | | |
| Fiskarfjärden | PFM000127 | Bottom | 2 | 0.44 | 0.46 | 0.48 | 0.50 | 0.52 | 0.48 | 0.06 | 13 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.22 | 0.25 | 0.25 | 0.31 | 0.48 | 0.30 | 0.1 | 34 |
| Forsmark area | | Surface | 45 | 0.16 | 0.22 | 0.25 | 0.37 | 0.61 | 0.30 | 0.1 | 39 |
| Forsmark area | | Bottom | 12 | 0.17 | 0.20 | 0.21 | 0.24 | 0.52 | 0.25 | 0.1 | 43 |
| Simpevarp area | | Surface | 1 | 0.98 | | 0.98 | | 0.98 | 0.98 | | |
| Simpevarp area | | Bottom | 1 | 0.94 | | 0.94 | | 0.94 | 0.94 | | |
| Sweden | N.S.2000 | Surface | 1206 | 0.010 | 0.090 | 0.22 | 0.46 | 740 | 0.94 | 20 | 2300 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | 0.096 | 0.15 | 0.17 | 0.25 | 0.32 | 0.20 | 0.08 | 38 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 0.097 | 0.13 | 0.16 | 0.17 | 0.18 | 0.14 | 0.04 | 28 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 0.13 | | 0.13 | | 0.13 | 0.13 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 0.12 | | 0.12 | | 0.12 | 0.12 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | 0.11 | 0.16 | 0.21 | 0.30 | 0.52 | 0.24 | 0.1 | 51 |
| Tixelfjärden | PFM000063 | Bottom | 5 | 0.14 | 0.16 | 0.19 | 0.21 | 0.34 | 0.21 | 0.08 | 39 |
| Kallriga, norra | PFM000064 | Surface | 8 | 0.14 | 0.23 | 0.39 | 0.46 | 0.92 | 0.40 | 0.2 | 61 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 0.20 | 0.24 | 0.34 | 0.49 | 0.64 | 0.38 | 0.2 | 52 |
| Kallriga, södra | PFM000065 | Surface | 9 | 0.18 | 0.22 | 0.33 | 0.36 | 2.1 | 0.50 | 0.6 | 120 |
| Forsmark area | | Surface | 38 | 0.096 | 0.17 | 0.23 | 0.34 | 2.1 | 0.32 | 0.3 | 100 |
| Forsmark area | | Bottom | 13 | 0.097 | 0.16 | 0.19 | 0.25 | 0.64 | 0.24 | 0.2 | 63 |
| Simpevarp area | | Surface | 4 | 0.16 | 0.17 | 0.18 | 0.20 | 0.23 | 0.19 | 0.03 | 16 |
| Simpevarp area | | Bottom | 4 | 0.11 | 0.14 | 0.17 | 0.19 | 0.20 | 0.16 | 0.04 | 26 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.15 | 0.19 | 0.24 | 0.35 | 0.47 | 0.28 | 0.1 | 43 |
| Söder Eckarfjärden | PFM000071 | Surface | 1 | 0.35 | | 0.35 | | 0.35 | 0.35 | | |
| Norr Eckarfjärden | PFM000070 | Surface | 7 | 0.22 | 0.22 | 0.28 | 0.31 | 0.35 | 0.27 | 0.05 | 19 |
| Bolundskogen | PFM000069 | Surface | 3 | 0.21 | 0.22 | 0.22 | 0.23 | 0.24 | 0.22 | 0.01 | 5.1 |
| Kungsträsket | PFM000068 | Surface | 8 | 0.21 | 0.22 | 0.25 | 0.36 | 0.61 | 0.31 | 0.1 | 44 |
| Lillputtsundet | PFM000067 | Surface | 7 | 0.23 | 0.30 | 0.33 | 0.42 | 0.69 | 0.38 | 0.2 | 41 |
| Flottbron | PFM000072 | Surface | 6 | 0.11 | 0.28 | 0.31 | 0.52 | 0.60 | 0.36 | 0.2 | 53 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.20 | 0.33 | 0.45 | 0.55 | 0.64 | 0.43 | 0.2 | 51 |
| Forsmark area | | Surface | 42 | 0.11 | 0.22 | 0.28 | 0.36 | 0.69 | 0.32 | 0.1 | 43 |
| Simpevarp area | | Surface | 10 | 0.69 | 1.1 | 1.3 | 2.0 | 3.0 | 1.6 | 0.8 | 52 |

Surface Water

| Yb | | | Ytterbium (µg/l) | | | | | | | | Yb |
|------------------------|-----------|---------|------------------|--------|--------|------------------|--------|--------|--------|--------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | 0.0070 | 0.0093 | 0.013 | 0.014 | 0.023 | 0.013 | 0.005 | 42 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.0060 | 0.011 | 0.015 | 0.020 | 0.026 | 0.016 | 0.007 | 46 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.020 | 0.021 | 0.022 | 0.032 | 0.043 | 0.028 | 0.01 | 45 |
| Eckarfjärden | PFM000117 | Surface | 7 | <0.005 | <0.005 | 0.0091 | 0.016 | 0.026 | 0.011 | 0.009 | 78 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.0084 | 0.017 | 0.025 | 0.025 | 0.026 | 0.020 | 0.010 | 50 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.0068 | 0.010 | 0.012 | 0.022 | 0.038 | 0.017 | 0.01 | 64 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.018 | 0.022 | 0.026 | 0.030 | 0.034 | 0.026 | 0.008 | 31 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.0053 | 0.011 | 0.017 | 0.024 | 0.040 | 0.019 | 0.01 | 65 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | <0.005 | | <0.005 | | <0.005 | <0.005 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | <0.005 | 0.0074 | 0.0093 | 0.012 | 0.021 | 0.010 | 0.008 | 73 |
| Forsmark area | | Surface | 39 | <0.005 | 0.0090 | 0.013 | 0.018 | 0.040 | 0.015 | 0.009 | 60 |
| Forsmark area | | Bottom | 10 | <0.005 | 0.018 | 0.023 | 0.026 | 0.043 | 0.022 | 0.01 | 51 |
| Simpevarp area | | Surface | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Simpevarp area | | Bottom | 1 | 0.010 | | 0.010 | | 0.010 | 0.010 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 69 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.002 | 19 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.0006 | 5.9 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 79 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 110 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.0095 | | 0.0095 | | 0.0095 | 0.0095 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.0067 | | 0.0067 | | 0.0067 | 0.0067 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <0.05 | <0.05 | <0.05 | <0.05 | 0.076 | <0.05 | 0.03 | 120 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 130 |
| Kallriga, södra | PFM000065 | Surface | 8 | <0.05 | <0.05 | <0.05 | <0.05 | 0.13 | <0.05 | 0.04 | 130 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.064 | | 0.064 | | 0.064 | 0.064 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.067 | | 0.067 | | 0.067 | 0.067 | | |
| Forsmark area | | Surface | 34 | <0.05 | <0.05 | <0.05 | <0.05 | 0.13 | <0.05 | 0.03 | 130 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | <0.05 | <0.05 | 0.067 | <0.05 | 0.02 | 140 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.010 | 0.013 | 0.015 | 0.020 | 0.022 | 0.016 | 0.004 | 28 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.0090 | 0.011 | 0.015 | 0.020 | 0.026 | 0.016 | 0.007 | 42 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.021 | | 0.021 | | 0.021 | 0.021 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.020 | 0.023 | 0.028 | 0.031 | 0.034 | 0.027 | 0.006 | 20 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.0060 | 0.0077 | 0.011 | 0.016 | 0.035 | 0.015 | 0.01 | 77 |
| Flottbron | PFM000072 | Surface | 5 | <0.005 | 0.0054 | 0.0067 | 0.0097 | 0.016 | 0.0081 | 0.005 | 64 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.0060 | 0.0065 | 0.0069 | 0.0085 | 0.010 | 0.0077 | 0.002 | 28 |
| Forsmark area | | Surface | 33 | <0.005 | 0.0097 | 0.015 | 0.021 | 0.035 | 0.016 | 0.009 | 54 |
| Simpevarp area | | Surface | 10 | 0.020 | 0.021 | 0.028 | 0.041 | 0.057 | 0.032 | 0.01 | 39 |

Surface Water

| Y | | | Yttrium (µg/l) | | | | | | | | Y |
|------------------------|-----------|---------|----------------|-------|-------|-----------------|-------|-------|-------|-------|-----|
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 7 | 0.077 | 0.12 | 0.13 | 0.16 | 0.26 | 0.15 | 0.06 | 39 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.046 | 0.10 | 0.15 | 0.19 | 0.26 | 0.15 | 0.07 | 48 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.20 | 0.20 | 0.20 | 0.30 | 0.40 | 0.27 | 0.1 | 44 |
| Eckarfjärden | PFM000117 | Surface | 7 | 0.035 | 0.051 | 0.076 | 0.23 | 0.24 | 0.13 | 0.10 | 75 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.085 | 0.16 | 0.24 | 0.29 | 0.33 | 0.22 | 0.1 | 57 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.076 | 0.14 | 0.16 | 0.23 | 0.44 | 0.20 | 0.1 | 60 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.20 | 0.24 | 0.27 | 0.33 | 0.39 | 0.29 | 0.09 | 33 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.044 | 0.13 | 0.22 | 0.26 | 0.44 | 0.21 | 0.1 | 64 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.040 | | 0.040 | | 0.040 | 0.040 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.066 | 0.081 | 0.093 | 0.12 | 0.19 | 0.11 | 0.05 | 49 |
| Forsmark area | | Surface | 39 | 0.035 | 0.089 | 0.15 | 0.22 | 0.44 | 0.16 | 0.10 | 59 |
| Forsmark area | | Bottom | 10 | 0.040 | 0.20 | 0.22 | 0.31 | 0.40 | 0.24 | 0.1 | 50 |
| Simpevarp area | | Surface | 1 | 0.093 | | 0.093 | | 0.093 | 0.093 | | |
| Simpevarp area | | Bottom | 1 | 0.095 | | 0.095 | | 0.095 | 0.095 | | |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.057 | 0.13 | 0.053 | 0.03 | 65 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.004 | 15 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 0.063 | 0.070 | 0.078 | 0.086 | 0.094 | 0.078 | 0.02 | 29 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 0.050 | 0.063 | 0.075 | 0.088 | 0.10 | 0.075 | 0.04 | 47 |
| Tixelfjärden | PFM000063 | Surface | 8 | <0.05 | <0.05 | <0.05 | 0.077 | 0.14 | 0.060 | 0.04 | 67 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <0.05 | <0.05 | <0.05 | 0.059 | 0.064 | <0.05 | 0.02 | 34 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.11 | | 0.11 | | 0.11 | 0.11 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.080 | | 0.080 | | 0.080 | 0.080 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | 0.048 | 0.068 | 0.072 | 0.35 | 1.0 | 0.28 | 0.4 | 130 |
| Kallriga, norra | PFM000064 | Bottom | 3 | 0.046 | 0.059 | 0.071 | 0.17 | 0.27 | 0.13 | 0.1 | 95 |
| Kallriga, södra | PFM000065 | Surface | 8 | 0.040 | 0.057 | 0.14 | 0.48 | 1.5 | 0.40 | 0.5 | 130 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.81 | | 0.81 | | 0.81 | 0.81 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.86 | | 0.86 | | 0.86 | 0.86 | | |
| Forsmark area | | Surface | 35 | <0.05 | <0.05 | 0.069 | 0.14 | 1.5 | 0.21 | 0.3 | 170 |
| Forsmark area | | Bottom | 13 | <0.05 | <0.05 | 0.057 | 0.080 | 0.86 | 0.13 | 0.2 | 170 |
| Simpevarp area | | Surface | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Simpevarp area | | Bottom | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.096 | 0.12 | 0.15 | 0.20 | 0.22 | 0.16 | 0.05 | 32 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.097 | 0.11 | 0.14 | 0.18 | 0.25 | 0.15 | 0.06 | 38 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.19 | | 0.19 | | 0.19 | 0.19 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.19 | 0.22 | 0.30 | 0.31 | 0.35 | 0.28 | 0.06 | 23 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.059 | 0.078 | 0.10 | 0.19 | 0.41 | 0.17 | 0.1 | 86 |
| Flottbron | PFM000072 | Surface | 5 | 0.043 | 0.050 | 0.064 | 0.082 | 0.18 | 0.084 | 0.06 | 67 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.055 | 0.060 | 0.065 | 0.074 | 0.082 | 0.067 | 0.01 | 20 |
| Forsmark area | | Surface | 33 | 0.043 | 0.082 | 0.15 | 0.20 | 0.41 | 0.16 | 0.09 | 58 |
| Simpevarp area | | Surface | 10 | 0.20 | 0.24 | 0.30 | 0.41 | 0.61 | 0.34 | 0.1 | 38 |

Surface Water

| Zn | | | Zinc (µg/l) | | | | | | | | Zn |
|------------------------|-----------|---------|-------------|-------|------|--------------|------|-------|------|------|------|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 10 | 0.63 | 0.90 | 1.3 | 1.6 | 3.7 | 1.6 | 1 | 68 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.50 | 0.65 | 0.74 | 1.3 | 2.5 | 1.1 | 0.7 | 67 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 4 | 0.80 | 1.7 | 2.0 | 2.2 | 2.6 | 1.8 | 0.8 | 41 |
| Eckarfjärden | PFM000117 | Surface | 9 | 0.38 | 0.71 | 1.1 | 2.1 | 3.3 | 1.4 | 1.0 | 70 |
| Eckarfjärden | PFM000117 | Bottom | 4 | 0.47 | 0.47 | 0.54 | 1.2 | 2.8 | 1.1 | 1 | 110 |
| Bolundsfjärden | PFM000107 | Surface | 10 | 0.46 | 0.74 | 1.2 | 1.8 | 13 | 2.4 | 4 | 160 |
| Bolundsfjärden | PFM000107 | Bottom | 4 | 0.71 | 1.8 | 2.3 | 3.8 | 7.6 | 3.2 | 3 | 93 |
| Norra bassängen | PFM000097 | Surface | 7 | 0.76 | 1.1 | 1.5 | 3.0 | 3.6 | 2.0 | 1 | 59 |
| Fiskarfjärden | PFM000127 | Surface | 1 | 0.44 | | 0.44 | | 0.44 | 0.44 | | |
| Fiskarfjärden | PFM000127 | Bottom | 3 | 0.45 | 1.1 | 1.8 | 2.3 | 2.8 | 1.7 | 1 | 70 |
| Fiskarfjärden | PFM000135 | Surface | 5 | 0.66 | 0.67 | 0.83 | 0.84 | 1.0 | 0.81 | 0.2 | 19 |
| Forsmark area | | Surface | 49 | 0.38 | 0.71 | 1.1 | 1.7 | 13 | 1.6 | 2 | 120 |
| Forsmark area | | Bottom | 15 | 0.45 | 0.66 | 2.0 | 2.6 | 7.6 | 2.0 | 2 | 91 |
| Simpevarp area | | Surface | 1 | 2.0 | | 2.0 | | 2.0 | 2.0 | | |
| Simpevarp area | | Bottom | 1 | 1.5 | | 1.5 | | 1.5 | 1.5 | | |
| Sweden | N.S.2000 | Surface | 1206 | | 0.80 | 1.5 | 3.0 | 43000 | 46 | 1000 | 2700 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 11 | <2 | <2 | <2 | 2.2 | 23 | 3.6 | 7 | 180 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | <2 | 2.6 | 4.1 | 4.2 | 4.4 | 3.2 | 2 | 59 |
| Alt. SV Forslingen | PFM000082 | Surface | 1 | 2.5 | | 2.5 | | 2.5 | 2.5 | | |
| Alt. SV Forslingen | PFM000082 | Bottom | 1 | 1.7 | | 1.7 | | 1.7 | 1.7 | | |
| Tixelfjärden | PFM000063 | Surface | 9 | <2 | <2 | <2 | 2.4 | 3.0 | <2 | 0.9 | 50 |
| Tixelfjärden | PFM000063 | Bottom | 5 | <2 | 2.4 | 4.1 | 4.9 | 110 | 24 | 50 | 190 |
| Kallriga, norra | PFM000064 | Surface | 8 | <1.19 | 1.4 | 3.2 | 4.5 | 13 | 4.1 | 4 | 98 |
| Kallriga, norra | PFM000064 | Bottom | 4 | 1.6 | 2.7 | 4.0 | 5.8 | 8.6 | 4.6 | 3 | 66 |
| Kallriga, södra | PFM000065 | Surface | 9 | <2 | <2 | 2.1 | 8.5 | 17 | 4.8 | 5 | 110 |
| Forsmark area | | Surface | 38 | <2 | <2 | <2 | 3.0 | 23 | 3.5 | 5 | 140 |
| Forsmark area | | Bottom | 13 | <2 | <2 | 4.1 | 4.9 | 110 | 11 | 30 | 250 |
| Simpevarp area | | Surface | 4 | <2 | <2 | 2.4 | 2.7 | 3.4 | 2.3 | 1.0 | 43 |
| Simpevarp area | | Bottom | 4 | <2 | <2 | <2 | <2 | <2 | <2 | | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 8 | 1.0 | 1.2 | 1.5 | 2.1 | 4.4 | 1.9 | 1 | 58 |
| Söder Eckarfjärden | PFM000071 | Surface | 2 | 0.79 | 0.87 | 0.95 | 1.0 | 1.1 | 0.95 | 0.2 | 23 |
| Norr Eckarfjärden | PFM000070 | Surface | 8 | 0.76 | 1.2 | 1.5 | 1.8 | 6.5 | 2.0 | 2 | 92 |
| Bolundskogen | PFM000069 | Surface | 4 | 0.53 | 1.9 | 2.8 | 3.5 | 4.1 | 2.6 | 2 | 60 |
| Kungsträsket | PFM000068 | Surface | 9 | 0.55 | 1.1 | 2.0 | 2.1 | 3.1 | 1.8 | 0.8 | 44 |
| Lillputtsundet | PFM000067 | Surface | 8 | 0.41 | 1.0 | 1.3 | 2.0 | 6.2 | 2.0 | 2 | 93 |
| Flottbron | PFM000072 | Surface | 6 | 1.2 | 1.9 | 2.2 | 4.2 | 20 | 5.3 | 7 | 130 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.74 | 0.90 | 1.1 | 3.4 | 5.7 | 2.5 | 3 | 110 |
| Forsmark area | | Surface | 48 | 0.41 | 1.1 | 1.5 | 2.3 | 20 | 2.4 | 3 | 120 |
| Simpevarp area | | Surface | 10 | 1.4 | 2.3 | 4.0 | 6.2 | 9.1 | 4.6 | 3 | 61 |

Surface Water

| Zr | | | Zirconium (µg/l) | | | | | | | | Zr |
|------------------------|-----------|---------|------------------|-------|-------|---------------|------|-------|-------|------|-----|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Labboträsket | PFM000074 | Surface | 7 | 0.11 | 0.22 | 0.31 | 0.36 | 0.41 | 0.28 | 0.1 | 39 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 7 | 0.098 | 0.24 | 0.31 | 0.36 | 0.58 | 0.31 | 0.1 | 48 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 3 | 0.30 | 0.40 | 0.51 | 0.55 | 0.60 | 0.47 | 0.2 | 33 |
| Eckarfjärden | PFM000117 | Surface | 7 | 0.100 | 0.22 | 0.31 | 0.36 | 0.54 | 0.30 | 0.1 | 49 |
| Eckarfjärden | PFM000117 | Bottom | 3 | 0.29 | 0.29 | 0.30 | 0.45 | 0.61 | 0.40 | 0.2 | 46 |
| Bolundsfjärden | PFM000107 | Surface | 7 | 0.097 | 0.27 | 0.40 | 0.45 | 0.61 | 0.37 | 0.2 | 46 |
| Bolundsfjärden | PFM000107 | Bottom | 3 | 0.34 | 0.39 | 0.44 | 0.45 | 0.47 | 0.41 | 0.07 | 17 |
| Norra bassängen | PFM000097 | Surface | 6 | 0.089 | 0.31 | 0.38 | 0.43 | 0.50 | 0.35 | 0.1 | 41 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.081 | | 0.081 | | 0.081 | 0.081 | | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.13 | 0.14 | 0.21 | 0.29 | 0.38 | 0.23 | 0.1 | 50 |
| Forsmark area | | Surface | 39 | 0.089 | 0.24 | 0.31 | 0.39 | 0.61 | 0.31 | 0.1 | 44 |
| Forsmark area | | Bottom | 10 | 0.081 | 0.30 | 0.39 | 0.50 | 0.61 | 0.39 | 0.2 | 42 |
| Simpevarp area | | Surface | 1 | 3.5 | | 3.5 | | 3.5 | 3.5 | | |
| Simpevarp area | | Bottom | 1 | 2.4 | | 2.4 | | 2.4 | 2.4 | | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 8 | <10 | <10 | <10 | <10 | <10 | <10 | 2 | 170 |
| SV Forslingens grund | PFM000062 | Bottom | 2 | <10 | <10 | <10 | <10 | <10 | <10 | 4 | 140 |
| Alt. SV Forslingen | PFM000082 | Surface | 2 | 0.060 | 0.12 | 0.17 | 0.23 | 0.29 | 0.17 | 0.2 | 93 |
| Alt. SV Forslingen | PFM000082 | Bottom | 2 | 0.066 | 0.092 | 0.12 | 0.14 | 0.17 | 0.12 | 0.07 | 61 |
| Tixelfjärden | PFM000063 | Surface | 8 | <10 | <10 | <10 | <10 | <10 | <10 | 2 | 240 |
| Tixelfjärden | PFM000063 | Bottom | 4 | <10 | <10 | <10 | <10 | <10 | <10 | 2 | 180 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 0.090 | | 0.090 | | 0.090 | 0.090 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 0.060 | | 0.060 | | 0.060 | 0.060 | | |
| Kallriga, norra | PFM000064 | Surface | 7 | <10 | <10 | <10 | <10 | <10 | <10 | 2 | 180 |
| Kallriga, norra | PFM000064 | Bottom | 3 | <10 | <10 | <10 | <10 | <10 | <10 | 3 | 150 |
| Kallriga, södra | PFM000065 | Surface | 8 | <10 | <10 | <10 | <10 | <10 | <10 | 2 | 160 |
| Alt. Kallriga | PFM000084 | Surface | 1 | 0.69 | | 0.69 | | 0.69 | 0.69 | | |
| Alt. Kallriga | PFM000084 | Bottom | 1 | 0.71 | | 0.71 | | 0.71 | 0.71 | | |
| Forsmark area | | Surface | 35 | <10 | <10 | <10 | <10 | <10 | <10 | 2 | 180 |
| Forsmark area | | Bottom | 13 | <10 | <10 | <10 | <10 | <10 | <10 | 2 | 160 |
| Simpevarp area | | Surface | 4 | <0.3 | <0.3 | 1.1 | 2.1 | 2.7 | 1.2 | 1 | 98 |
| Simpevarp area | | Bottom | 4 | <0.3 | 1.3 | 1.9 | 2.3 | 2.7 | 1.7 | 1 | 66 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 7 | 0.11 | 0.17 | 0.29 | 0.40 | 0.56 | 0.30 | 0.2 | 56 |
| Norr Eckarfjärden | PFM000070 | Surface | 6 | 0.13 | 0.15 | 0.19 | 0.29 | 0.49 | 0.24 | 0.1 | 58 |
| Bolundskogen | PFM000069 | Surface | 1 | 0.21 | | 0.21 | | 0.21 | 0.21 | | |
| Kungsträsket | PFM000068 | Surface | 6 | 0.24 | 0.30 | 0.38 | 0.46 | 0.85 | 0.43 | 0.2 | 51 |
| Lillputtsundet | PFM000067 | Surface | 5 | 0.097 | 0.14 | 0.22 | 0.30 | 0.44 | 0.24 | 0.1 | 57 |
| Flottbron | PFM000072 | Surface | 5 | 0.095 | 0.11 | 0.16 | 0.22 | 0.33 | 0.18 | 0.10 | 53 |
| Söder Bredviken | PFM000073 | Surface | 3 | 0.27 | 0.28 | 0.29 | 0.51 | 0.73 | 0.43 | 0.3 | 60 |
| Forsmark area | | Surface | 33 | 0.095 | 0.16 | 0.27 | 0.34 | 0.85 | 0.30 | 0.2 | 61 |
| Simpevarp area | | Surface | 10 | 1.3 | 2.1 | 3.8 | 4.2 | 6.0 | 3.5 | 2 | 48 |

Surface Water

| A_436 | | | Spectr. Abscoeff 436 nm (($\mu\text{mol/mol}$)-1xm-1) | | | | | | | | A_436 | |
|------------------------|-----------|---------|---|--------|--------|-------------|------|------|------|------|-------|--|
| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Labboträsket | PFM000074 | Surface | 5 | 0.076 | 0.096 | 2.2 | 2.8 | 28 | 6.6 | 10 | 180 | |
| Eckarfjärden | PFM000117 | Surface | 6 | 0.030 | 0.21 | 0.84 | 2.2 | 12 | 2.7 | 5 | 170 | |
| Eckarfjärden | PFM000117 | Bottom | 2 | 1.0 | 3.8 | 6.5 | 9.3 | 12 | 6.5 | 8 | 120 | |
| Bolundsfjärden | PFM000107 | Surface | 6 | 0.040 | 0.31 | 1.1 | 1.8 | 31 | 5.9 | 10 | 210 | |
| Bolundsfjärden | PFM000107 | Bottom | 2 | 1.7 | 5.0 | 8.2 | 12 | 15 | 8.2 | 9 | 110 | |
| Fiskarfjärden | PFM000135 | Surface | 4 | 0.022 | 0.027 | 0.30 | 0.59 | 0.60 | 0.31 | 0.3 | 110 | |
| Forsmark area | | Surface | 21 | 0.022 | 0.076 | 0.72 | 2.2 | 31 | 4.1 | 9 | 220 | |
| Forsmark area | | Bottom | 4 | 1.0 | 1.5 | 6.8 | 13 | 15 | 7.4 | 7 | 96 | |
| Simpevarp area | | Surface | 2 | 3.7 | 4.4 | 5.2 | 6.0 | 6.8 | 5.2 | 2 | 43 | |
| Simpevarp area | | Bottom | 2 | 3.6 | 4.1 | 4.7 | 5.3 | 5.9 | 4.7 | 2 | 35 | |
| Sweden | N.S.2000 | Surface | 3464 | 0.0010 | 0.065 | 0.14 | 0.27 | 1.4 | 0.19 | 0.2 | 90 | |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SV Forslingens grund | PFM000062 | Surface | 5 | 0.0050 | 0.0090 | 0.26 | 0.30 | 2.8 | 0.67 | 1 | 180 | |
| Forsmark area | | Surface | 5 | 0.0050 | 0.0090 | 0.26 | 0.30 | 2.8 | 0.67 | 1 | 180 | |
| Simpevarp area | | Surface | 5 | 0.22 | 0.82 | 0.84 | 1.0 | 1.7 | 0.92 | 0.5 | 57 | |
| Simpevarp area | | Bottom | 5 | 0.23 | 0.52 | 0.55 | 0.56 | 0.85 | 0.54 | 0.2 | 41 | |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Öster Gunnarsboträsket | PFM000066 | Surface | 4 | 0.097 | 1.6 | 2.3 | 8.1 | 25 | 7.4 | 10 | 160 | |
| Norr Eckarfjärden | PFM000070 | Surface | 5 | 0.10 | 0.14 | 0.86 | 3.6 | 31 | 7.2 | 10 | 190 | |
| Bolundskogen | PFM000069 | Surface | 5 | 0.15 | 0.18 | 3.2 | 3.4 | 37 | 8.8 | 20 | 180 | |
| Kungsträsket | PFM000068 | Surface | 5 | 0.17 | 0.19 | 3.3 | 4.7 | 31 | 8.0 | 10 | 170 | |
| Forsmark area | | Surface | 19 | 0.097 | 0.18 | 2.4 | 4.1 | 37 | 7.9 | 10 | 160 | |
| Simpevarp area | | Surface | 24 | 2.8 | 3.9 | 4.8 | 5.6 | 8.2 | 5.0 | 2 | 31 | |
| Sweden | N.S.2000 | Surface | 725 | 0.0020 | 0.094 | 0.19 | 0.31 | 1.0 | 0.22 | 0.2 | 73 | |

Absorbance 436 nm (($\mu\text{mol/mol}$)-1xm-1)

| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|-----------------|--|---------|-------|-------|-------|--------------|-------|-------|-------|------|-----|
| Simpevarp area | | Surface | 2 | 0.18 | 0.22 | 0.26 | 0.30 | 0.34 | 0.26 | 0.1 | 43 |
| Simpevarp area | | Bottom | 2 | 0.18 | 0.21 | 0.23 | 0.26 | 0.29 | 0.23 | 0.08 | 35 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 5 | 0.011 | 0.041 | 0.042 | 0.051 | 0.085 | 0.046 | 0.03 | 58 |
| Simpevarp area | | Bottom | 5 | 0.012 | 0.026 | 0.028 | 0.028 | 0.043 | 0.027 | 0.01 | 40 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | | Surface | 24 | 0.14 | 0.22 | 0.27 | 0.36 | 0.57 | 0.30 | 0.1 | 38 |

Chlorophyll A ($\mu\text{g/l}$)

| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|-------|------|------|----------------|------|------|------|------|-----|
| Labboträsket | PFM000074 | Surface | 43 | <0.5 | 0.50 | 1.0 | 1.6 | 5.6 | 1.2 | 1 | 86 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | <0.5 | 0.83 | 1.3 | 2.1 | 6.6 | 1.6 | 1 | 87 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | <0.5 | 0.84 | 1.7 | 2.4 | 6.3 | 2.0 | 2 | 79 |
| Eckarfjärden | PFM000117 | Surface | 48 | <0.5 | 1.1 | 1.7 | 2.3 | 3.7 | 1.8 | 0.9 | 52 |
| Eckarfjärden | PFM000117 | Bottom | 21 | <0.5 | 0.60 | 1.3 | 2.3 | 3.5 | 1.5 | 1.0 | 66 |
| Bolundsfjärden | PFM000107 | Surface | 48 | <0.5 | 0.70 | 1.5 | 2.6 | 6.6 | 1.9 | 2 | 83 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | <0.5 | <0.5 | 1.4 | 2.4 | 5.3 | 1.6 | 1 | 91 |
| Norra bassängen | PFM000097 | Surface | 36 | <0.5 | 0.70 | 1.2 | 1.7 | 6.1 | 1.4 | 1 | 79 |
| Fiskarfjärden | PFM000127 | Surface | 14 | 1.1 | 2.9 | 5.1 | 11 | 16 | 7.0 | 5 | 73 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 1.3 | 2.2 | 3.6 | 7.3 | 12 | 5.1 | 4 | 77 |
| Fiskarfjärden | PFM000135 | Surface | 19 | <0.5 | 1.1 | 1.8 | 2.8 | 18 | 3.3 | 5 | 140 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.70 | | 0.70 | | 0.70 | 0.70 | | |
| Forsmark area | | Surface | 253 | <0.5 | 0.83 | 1.4 | 2.4 | 18 | 2.0 | 2 | 120 |
| Forsmark area | | Bottom | 75 | <0.5 | 0.65 | 1.5 | 2.6 | 12 | 2.1 | 2 | 100 |
| Simpevarp area | | Surface | 112 | 0.50 | 1.4 | 3.5 | 6.4 | 38 | 4.6 | 5 | 100 |
| Simpevarp area | | Bottom | 112 | <0.5 | 1.3 | 2.5 | 4.9 | 22 | 3.8 | 4 | 96 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | <0.5 | 1.3 | 1.7 | 2.3 | 5.2 | 1.8 | 0.9 | 47 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 0.68 | 1.3 | 1.5 | 2.5 | 4.3 | 1.9 | 1.0 | 50 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | <0.5 | 1.1 | 3.5 | 5.1 | 9.4 | 3.6 | 3 | 87 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | <0.5 | 1.1 | 3.3 | 4.4 | 5.8 | 3.0 | 2 | 70 |
| Tixelfjärden | PFM000063 | Surface | 41 | <0.5 | 1.6 | 2.1 | 3.0 | 5.9 | 2.4 | 1 | 56 |
| Tixelfjärden | PFM000063 | Bottom | 20 | 0.70 | 1.4 | 2.4 | 3.3 | 7.2 | 2.8 | 2 | 65 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 2.2 | 3.4 | 4.6 | 4.9 | 5.1 | 4.0 | 2 | 39 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 5.2 | 5.4 | 5.6 | 6.9 | 8.2 | 6.3 | 2 | 26 |
| Kallriga, norra | PFM000064 | Surface | 37 | 0.30 | 2.9 | 3.9 | 5.0 | 19 | 5.2 | 4 | 79 |
| Kallriga, norra | PFM000064 | Bottom | 18 | 0.30 | 3.4 | 4.2 | 5.3 | 10 | 4.3 | 2 | 54 |
| Kallriga, södra | PFM000065 | Surface | 35 | 0.40 | 2.3 | 3.0 | 4.4 | 24 | 4.5 | 5 | 110 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 1.1 | 3.1 | 3.8 | 4.5 | 6.9 | 3.9 | 2 | 54 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 1.9 | 3.1 | 3.4 | 4.0 | 5.5 | 3.6 | 1 | 37 |
| Forsmark area | | Surface | 174 | <0.5 | 1.7 | 2.6 | 4.1 | 24 | 3.5 | 3 | 97 |
| Forsmark area | | Bottom | 69 | <0.5 | 1.5 | 2.9 | 4.3 | 10 | 3.2 | 2 | 64 |
| Simpevarp area | | Surface | 163 | <0.5 | 0.70 | 1.6 | 3.5 | 13 | 2.7 | 3 | 100 |
| Simpevarp area | | Bottom | 160 | <0.5 | 0.70 | 1.4 | 2.9 | 16 | 2.5 | 3 | 120 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 14 | <0.5 | <0.5 | <0.5 | 0.98 | 7.0 | 1.0 | 2 | 180 |
| Söder Eckarfjärden | PFM000071 | Surface | 11 | <0.5 | <0.5 | <0.5 | <0.5 | 1.1 | <0.5 | 0.3 | 79 |
| Norr Eckarfjärden | PFM000070 | Surface | 11 | <0.5 | 0.62 | 1.3 | 2.0 | 4.0 | 1.5 | 1 | 82 |
| Bolundskogen | PFM000069 | Surface | 17 | <0.5 | <0.5 | 0.60 | 1.1 | 1.8 | 0.68 | 0.5 | 78 |
| Kungsträsket | PFM000068 | Surface | 16 | <0.5 | <0.5 | <0.5 | 0.99 | 1.9 | 0.68 | 0.6 | 87 |
| Lillputtsundet | PFM000067 | Surface | 17 | <0.5 | 0.70 | 2.2 | 3.9 | 22 | 4.6 | 7 | 150 |
| Flottbron | PFM000072 | Surface | 14 | <0.5 | <0.5 | 0.77 | 1.5 | 6.3 | 1.3 | 2 | 130 |
| Söder Bredviken | PFM000073 | Surface | 8 | 0.24 | 0.47 | 0.92 | 2.3 | 19 | 3.5 | 7 | 190 |
| Forsmark area | | Surface | 108 | <0.5 | <0.5 | 0.67 | 1.7 | 22 | 1.7 | 4 | 210 |
| Simpevarp area | | Surface | 64 | <0.5 | 1.0 | 1.8 | 3.3 | 23 | 2.8 | 4 | 130 |

Chlorophyll B ($\mu\text{g/l}$)

| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|-------|------|------|-------------|------|------|------|------|-----|
| Labboträsket | PFM000074 | Surface | 43 | <0.5 | <0.5 | <0.5 | <0.5 | 0.60 | <0.5 | 0.10 | 48 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 40 | <0.5 | <0.5 | <0.5 | <0.5 | 1.1 | <0.5 | 0.2 | 66 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 21 | <0.5 | <0.5 | <0.5 | <0.5 | 0.82 | <0.5 | 0.2 | 55 |
| Eckarfjärden | PFM000117 | Surface | 48 | <0.5 | <0.5 | <0.5 | <0.5 | 0.55 | <0.5 | 0.09 | 39 |
| Eckarfjärden | PFM000117 | Bottom | 21 | <0.5 | <0.5 | <0.5 | <0.5 | 0.50 | <0.5 | 0.10 | 39 |
| Bolundsfjärden | PFM000107 | Surface | 48 | <0.5 | <0.5 | <0.5 | <0.5 | 0.64 | <0.5 | 0.1 | 49 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | <0.5 | <0.5 | <0.5 | <0.5 | 0.61 | <0.5 | 0.1 | 43 |
| Norra bassängen | PFM000097 | Surface | 36 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.08 | 35 |
| Fiskarfjärden | PFM000127 | Surface | 14 | <0.5 | <0.5 | <0.5 | 0.58 | 1.0 | <0.5 | 0.3 | 61 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | | |
| Fiskarfjärden | PFM000135 | Surface | 19 | <0.5 | <0.5 | <0.5 | <0.5 | 1.9 | <0.5 | 0.4 | 130 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | <0.5 | | <0.5 | | <0.5 | <0.5 | | |
| Forsmark area | | Surface | 252 | <0.5 | <0.5 | <0.5 | <0.5 | 1.9 | <0.5 | 0.2 | 70 |
| Forsmark area | | Bottom | 74 | <0.5 | <0.5 | <0.5 | <0.5 | 0.82 | <0.5 | 0.1 | 45 |
| Simpevarp area | | Surface | 112 | <0.5 | <0.5 | <0.5 | 0.70 | 2.6 | 0.51 | 0.5 | 95 |
| Simpevarp area | | Bottom | 110 | <0.5 | <0.5 | <0.5 | 0.50 | 3.0 | <0.5 | 0.4 | 89 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 43 | <0.5 | <0.5 | <0.5 | <0.5 | 0.80 | <0.5 | 0.1 | 46 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | <0.5 | <0.5 | <0.5 | <0.5 | 0.80 | <0.5 | 0.2 | 56 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | <0.5 | <0.5 | 0.60 | 1.2 | 2.1 | 0.79 | 0.7 | 87 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | <0.5 | <0.5 | 0.59 | 0.80 | 1.2 | 0.61 | 0.4 | 63 |
| Tixelfjärden | PFM000063 | Surface | 41 | <0.5 | <0.5 | <0.5 | <0.5 | 1.2 | <0.5 | 0.2 | 70 |
| Tixelfjärden | PFM000063 | Bottom | 21 | <0.5 | <0.5 | <0.5 | <0.5 | 0.80 | <0.5 | 0.2 | 52 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | <0.5 | 0.68 | 1.1 | 1.2 | 1.2 | 0.85 | 0.5 | 61 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 0.90 | 1.0 | 1.1 | 1.4 | 1.7 | 1.2 | 0.4 | 34 |
| Kallriga, norra | PFM000064 | Surface | 37 | <0.5 | <0.5 | <0.5 | 0.70 | 6.1 | 0.77 | 1 | 160 |
| Kallriga, norra | PFM000064 | Bottom | 18 | <0.5 | <0.5 | <0.5 | 0.60 | 1.5 | 0.51 | 0.4 | 73 |
| Kallriga, södra | PFM000065 | Surface | 35 | <0.5 | <0.5 | <0.5 | 0.50 | 6.5 | 0.60 | 1 | 180 |
| Alt. Kallriga | PFM000084 | Surface | 5 | <0.5 | 0.50 | 0.60 | 0.90 | 1.5 | 0.75 | 0.5 | 65 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | <0.5 | 0.50 | 0.60 | 1.1 | 1.2 | 0.71 | 0.4 | 58 |
| Forsmark area | | Surface | 174 | <0.5 | <0.5 | <0.5 | 0.50 | 6.5 | 0.51 | 0.8 | 160 |
| Forsmark area | | Bottom | 70 | <0.5 | <0.5 | <0.5 | 0.68 | 1.7 | <0.5 | 0.3 | 73 |
| Simpevarp area | | Surface | 163 | <0.5 | <0.5 | <0.5 | <0.5 | 2.9 | <0.5 | 0.4 | 100 |
| Simpevarp area | | Bottom | 160 | <0.5 | <0.5 | <0.5 | <0.5 | 3.1 | <0.5 | 0.4 | 110 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 14 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 52 |
| Söder Eckarfjärden | PFM000071 | Surface | 11 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.05 | 19 |
| Norr Eckarfjärden | PFM000070 | Surface | 11 | <0.5 | <0.5 | <0.5 | <0.5 | 0.51 | <0.5 | 0.1 | 55 |
| Bolundskogen | PFM000069 | Surface | 17 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.06 | 24 |
| Kungsträsket | PFM000068 | Surface | 16 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.05 | 21 |
| Lillputtsundet | PFM000067 | Surface | 17 | <0.5 | <0.5 | <0.5 | <0.5 | 2.0 | <0.5 | 0.5 | 120 |
| Flottbron | PFM000072 | Surface | 14 | <0.5 | <0.5 | <0.5 | <0.5 | 0.50 | <0.5 | 0.1 | 52 |
| Söder Bredviken | PFM000073 | Surface | 8 | <0.5 | <0.5 | <0.5 | <0.5 | 0.50 | <0.5 | 0.1 | 54 |
| Forsmark area | | Surface | 108 | <0.5 | <0.5 | <0.5 | <0.5 | 2.0 | <0.5 | 0.2 | 85 |
| Simpevarp area | | Surface | 64 | <0.5 | <0.5 | <0.5 | <0.5 | 1.8 | <0.5 | 0.2 | 100 |

Surface Water

Pheopigment (µg/l)

| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|--------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 43 | <0.5 | <0.5 | <0.5 | 0.70 | 4.7 | 0.61 | 0.8 | 130 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 41 | <0.5 | <0.5 | 0.50 | 0.84 | 2.8 | 0.73 | 0.7 | 89 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | <0.5 | 0.50 | 0.60 | 1.2 | 3.8 | 0.95 | 0.9 | 96 |
| Eckarfjärden | PFM000117 | Surface | 48 | <0.5 | <0.5 | <0.5 | 0.73 | 1.7 | 0.51 | 0.4 | 83 |
| Eckarfjärden | PFM000117 | Bottom | 21 | <0.5 | <0.5 | <0.5 | 0.60 | 1.8 | 0.55 | 0.4 | 78 |
| Bolundsfjärden | PFM000107 | Surface | 48 | <0.5 | <0.5 | <0.5 | 0.55 | 1.8 | <0.5 | 0.4 | 81 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | <0.5 | <0.5 | <0.5 | 0.66 | 4.4 | 0.65 | 0.9 | 140 |
| Norra bassängen | PFM000097 | Surface | 36 | <0.5 | <0.5 | <0.5 | 0.62 | 7.5 | 0.70 | 1 | 170 |
| Fiskarfjärden | PFM000127 | Surface | 14 | <0.5 | <0.5 | 0.53 | 1.2 | 5.3 | 1.1 | 1 | 130 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | <0.5 | <0.5 | 0.65 | 1.1 | 2.4 | 0.85 | 0.7 | 87 |
| Fiskarfjärden | PFM000135 | Surface | 19 | <0.5 | <0.5 | 0.70 | 1.3 | 10 | 1.2 | 2 | 180 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.50 | | 0.50 | | 0.50 | 0.50 | | |
| Forsmark area | | Surface | 253 | <0.5 | <0.5 | <0.5 | 0.80 | 10 | 0.66 | 1.0 | 150 |
| Forsmark area | | Bottom | 75 | <0.5 | <0.5 | 0.50 | 0.90 | 4.4 | 0.73 | 0.8 | 110 |
| Simpevarp area | | Surface | 112 | <0.5 | 0.80 | 1.3 | 2.1 | 12 | 1.7 | 2 | 90 |
| Simpevarp area | | Bottom | 112 | <0.5 | 1.1 | 1.6 | 2.5 | 23 | 2.3 | 3 | 120 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | <0.5 | <0.5 | 0.60 | 0.79 | 1.9 | 0.69 | 0.5 | 69 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | <0.5 | <0.5 | <0.5 | 0.53 | 1.1 | <0.5 | 0.3 | 77 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | <0.5 | <0.5 | 0.55 | 1.3 | 2.2 | 0.90 | 0.8 | 88 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | <0.5 | 0.51 | 0.70 | 1.0 | 2.6 | 0.92 | 0.8 | 84 |
| Tixelfjärden | PFM000063 | Surface | 41 | <0.5 | <0.5 | 0.70 | 1.0 | 3.9 | 0.82 | 0.7 | 82 |
| Tixelfjärden | PFM000063 | Bottom | 21 | <0.5 | <0.5 | 0.70 | 1.1 | 2.9 | 0.83 | 0.7 | 83 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | <0.5 | <0.5 | <0.5 | 0.78 | 1.3 | 0.60 | 0.6 | 100 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | <0.5 | 0.53 | 0.80 | 1.4 | 2.0 | 1.0 | 0.9 | 88 |
| Kallriga, norra | PFM000064 | Surface | 37 | <0.5 | 0.80 | 1.2 | 1.7 | 3.9 | 1.4 | 0.9 | 67 |
| Kallriga, norra | PFM000064 | Bottom | 17 | <0.5 | 0.90 | 1.1 | 1.5 | 3.0 | 1.3 | 0.7 | 53 |
| Kallriga, södra | PFM000065 | Surface | 35 | <0.5 | 0.60 | 1.0 | 1.6 | 7.8 | 1.5 | 1 | 100 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.50 | 0.56 | 0.80 | 1.3 | 1.8 | 0.99 | 0.6 | 56 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.50 | 0.58 | 1.3 | 1.4 | 1.5 | 1.1 | 0.5 | 45 |
| Forsmark area | | Surface | 173 | <0.5 | <0.5 | 0.80 | 1.3 | 7.8 | 1.0 | 0.9 | 91 |
| Forsmark area | | Bottom | 69 | <0.5 | <0.5 | 0.80 | 1.2 | 3.0 | 0.90 | 0.7 | 76 |
| Simpevarp area | | Surface | 162 | <0.5 | <0.5 | 0.60 | 0.98 | 6.6 | 0.88 | 1 | 120 |
| Simpevarp area | | Bottom | 159 | <0.5 | <0.5 | 0.70 | 1.2 | 5.6 | 0.96 | 1.0 | 100 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 14 | <0.5 | <0.5 | <0.5 | <0.5 | 0.90 | <0.5 | 0.3 | 79 |
| Söder Eckarfjärden | PFM000071 | Surface | 11 | <0.5 | <0.5 | <0.5 | <0.5 | 1.9 | 0.58 | 0.6 | 110 |
| Norr Eckarfjärden | PFM000070 | Surface | 11 | <0.5 | <0.5 | <0.5 | 0.55 | 0.66 | <0.5 | 0.2 | 59 |
| Bolundskogen | PFM000069 | Surface | 17 | <0.5 | <0.5 | <0.5 | 0.97 | 1.3 | 0.56 | 0.4 | 71 |
| Kungsträsket | PFM000068 | Surface | 16 | <0.5 | <0.5 | <0.5 | 0.63 | 2.4 | 0.54 | 0.5 | 100 |
| Lillputtsundet | PFM000067 | Surface | 17 | <0.5 | <0.5 | <0.5 | 0.80 | 23 | 2.1 | 6 | 260 |
| Flottbron | PFM000072 | Surface | 14 | <0.5 | <0.5 | <0.5 | 0.82 | 1.3 | 0.56 | 0.4 | 74 |
| Söder Bredviken | PFM000073 | Surface | 8 | 0.40 | 0.55 | 0.70 | 1.8 | 9.1 | 1.9 | 3 | 150 |
| Forsmark area | | Surface | 108 | <0.5 | <0.5 | <0.5 | 0.70 | 23 | 0.85 | 2 | 280 |
| Simpevarp area | | Surface | 64 | <0.5 | 0.88 | 1.4 | 2.1 | 12 | 1.8 | 2 | 96 |

Surface Water

Chlorophyll (field) (µg/l)

| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|-------|------|------|--------|------|-------|------|------|-----|
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 32 | 1.0 | 6.3 | 7.1 | 9.6 | 45 | 10 | 9 | 86 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 26 | 2.6 | 5.8 | 6.4 | 8.0 | 13 | 7.1 | 2 | 35 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 9 | 3.5 | 7.3 | 10 | 14 | 17 | 10 | 5 | 44 |
| Eckarfjärden | PFM000117 | Surface | 32 | 2.1 | 3.2 | 5.1 | 7.2 | 13 | 5.3 | 2 | 47 |
| Eckarfjärden | PFM000117 | Bottom | 10 | 5.3 | 5.9 | 7.0 | 7.9 | 17 | 8.3 | 4 | 46 |
| Bolundsfjärden | PFM000107 | Surface | 36 | 2.7 | 3.8 | 4.6 | 6.2 | 14 | 5.8 | 3 | 54 |
| Bolundsfjärden | PFM000107 | Bottom | 10 | 2.8 | 4.2 | 4.8 | 7.9 | 17 | 6.7 | 4 | 64 |
| Norra bassängen | PFM000097 | Surface | 22 | 1.7 | 4.1 | 5.9 | 11 | 17 | 7.6 | 4 | 59 |
| Fiskarfjärden | PFM000127 | Surface | 5 | 3.4 | 4.0 | 4.6 | 4.9 | 9.9 | 5.4 | 3 | 49 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 4.2 | | 4.2 | | 4.2 | 4.2 | | |
| Fiskarfjärden | PFM000135 | Surface | 17 | 2.0 | 3.3 | 4.8 | 6.9 | 14 | 6.0 | 4 | 65 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 15 | | 15 | | 15 | 15 | | |
| Forsmark area | | Surface | 170 | 1.0 | 4.0 | 5.9 | 8.1 | 45 | 7.0 | 5 | 72 |
| Forsmark area | | Bottom | 31 | 2.8 | 5.1 | 7.2 | 11 | 17 | 8.4 | 4 | 52 |
| Simpevarp area | | Surface | 102 | 1.1 | 6.2 | 8.2 | 11 | 8300 | 200 | 1000 | 570 |
| Simpevarp area | | Bottom | 103 | 1.9 | 5.8 | 7.2 | 8.3 | 8200 | 170 | 1000 | 600 |
| Sea Water | | | | | | | | | | | |
| SV Forslingens grund | PFM000062 | Surface | 30 | 0.40 | 1.0 | 1.8 | 2.5 | 3.1 | 1.7 | 0.8 | 47 |
| SV Forslingens grund | PFM000062 | Bottom | 3 | 1.7 | 2.1 | 2.4 | 4.1 | 5.7 | 3.3 | 2 | 65 |
| Alt. SV Forslingen | PFM000082 | Surface | 6 | 1.1 | 1.9 | 2.2 | 2.9 | 6.6 | 2.8 | 2 | 69 |
| Alt. SV Forslingen | PFM000082 | Bottom | 6 | 1.4 | 1.7 | 2.3 | 3.0 | 6.8 | 2.9 | 2 | 69 |
| Tixelfjärden | PFM000063 | Surface | 27 | 0.30 | 1.8 | 2.8 | 3.1 | 7.0 | 2.6 | 1 | 51 |
| Tixelfjärden | PFM000063 | Bottom | 8 | 2.0 | 2.3 | 2.5 | 3.8 | 6.8 | 3.4 | 2 | 57 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 4.8 | | 4.8 | | 4.8 | 4.8 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 7.4 | | 7.4 | | 7.4 | 7.4 | | |
| Kallriga, norra | PFM000064 | Surface | 23 | 1.7 | 3.1 | 4.7 | 8.9 | 42 | 7.6 | 9 | 110 |
| Kallriga, norra | PFM000064 | Bottom | 7 | 2.5 | 4.1 | 6.2 | 6.9 | 7.5 | 5.4 | 2 | 35 |
| Kallriga, södra | PFM000065 | Surface | 24 | 1.1 | 3.0 | 3.7 | 7.6 | 14 | 5.5 | 4 | 73 |
| Alt. Kallriga | PFM000084 | Surface | 3 | 6.3 | 7.1 | 7.8 | 15 | 22 | 12 | 8 | 71 |
| Alt. Kallriga | PFM000084 | Bottom | 3 | 1.3 | 1.9 | 2.5 | 5.4 | 8.3 | 4.0 | 4 | 93 |
| Forsmark area | | Surface | 114 | 0.30 | 1.9 | 2.9 | 4.4 | 42 | 4.3 | 5 | 120 |
| Forsmark area | | Bottom | 28 | 1.3 | 2.3 | 2.7 | 6.3 | 8.3 | 4.0 | 2 | 58 |
| Simpevarp area | | Surface | 140 | <2.2 | <2.2 | 3.0 | 6.0 | 11000 | 180 | 1000 | 680 |
| Simpevarp area | | Bottom | 143 | <2.2 | <2.2 | 2.8 | 5.5 | 4100 | 85 | 500 | 560 |
| Streaming Water | | | | | | | | | | | |
| Söder Bredviken | PFM000073 | Surface | 1 | 4.6 | | 4.6 | | 4.6 | 4.6 | | |
| Forsmark area | | Surface | 1 | 4.6 | | 4.6 | | 4.6 | 4.6 | | |

Electrical conductivity (lab) (mS/m)

| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|--------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 35 | 26 | 34 | 37 | 39 | 47 | 37 | 5 | 14 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 34 | 24 | 33 | 37 | 40 | 65 | 38 | 9 | 23 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 15 | 30 | 36 | 40 | 42 | 65 | 42 | 10 | 23 |
| Eckarfjärden | PFM000117 | Surface | 39 | 9.0 | 22 | 25 | 28 | 43 | 25 | 6 | 23 |
| Eckarfjärden | PFM000117 | Bottom | 13 | 22 | 25 | 27 | 32 | 41 | 28 | 5 | 18 |
| Bolundsfjärden | PFM000107 | Surface | 40 | 16 | 35 | 37 | 44 | 81 | 43 | 20 | 35 |
| Bolundsfjärden | PFM000107 | Bottom | 15 | 37 | 47 | 70 | 75 | 240 | 84 | 60 | 76 |
| Norra bassängen | PFM000097 | Surface | 31 | 29 | 41 | 47 | 80 | 190 | 62 | 40 | 60 |
| Fiskarfjärden | PFM000127 | Surface | 10 | 29 | 31 | 35 | 37 | 43 | 34 | 4 | 13 |
| Fiskarfjärden | PFM000127 | Bottom | 6 | 29 | 29 | 30 | 31 | 37 | 31 | 3 | 9.7 |
| Fiskarfjärden | PFM000135 | Surface | 14 | 30 | 32 | 34 | 47 | 67 | 41 | 10 | 32 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 56 | | 56 | | 56 | 56 | | |
| Forsmark area | | Surface | 206 | 9.0 | 31 | 36 | 42 | 190 | 40 | 20 | 50 |
| Forsmark area | | Bottom | 50 | 22 | 30 | 39 | 56 | 240 | 50 | 40 | 83 |
| Simpevarp area | | Surface | 111 | 9.2 | 11 | 12 | 15 | 21 | 13 | 3 | 20 |
| Simpevarp area | | Bottom | 112 | 9.6 | 12 | 13 | 17 | 28 | 14 | 3 | 23 |
| Sweden | N.S.2000 | Surface | 3464 | 0.39 | 2.3 | 3.7 | 6.9 | 1100 | 6.9 | 20 | 340 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 35 | 790 | 860 | 890 | 900 | 950 | 880 | 30 | 3.7 |
| SV Forslingens grund | PFM000062 | Bottom | 8 | 810 | 860 | 880 | 890 | 900 | 870 | 30 | 3.5 |
| Alt. SV Forslingen | PFM000082 | Surface | 5 | 820 | 840 | 840 | 850 | 870 | 850 | 20 | 2.2 |
| Alt. SV Forslingen | PFM000082 | Bottom | 6 | 830 | 840 | 860 | 870 | 880 | 860 | 20 | 2.4 |
| Tixelfjärden | PFM000063 | Surface | 32 | 540 | 850 | 870 | 890 | 900 | 850 | 80 | 9.8 |
| Tixelfjärden | PFM000063 | Bottom | 12 | 800 | 860 | 870 | 890 | 900 | 870 | 30 | 3.2 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 810 | 820 | 820 | 840 | 860 | 830 | 30 | 3.2 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 830 | 840 | 850 | 860 | 860 | 850 | 20 | 2.0 |
| Kallriga, norra | PFM000064 | Surface | 30 | 120 | 600 | 790 | 840 | 890 | 690 | 200 | 32 |
| Kallriga, norra | PFM000064 | Bottom | 11 | 390 | 730 | 780 | 840 | 890 | 750 | 100 | 18 |
| Kallriga, södra | PFM000065 | Surface | 27 | 100 | 650 | 800 | 850 | 870 | 690 | 200 | 34 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 73 | 110 | 170 | 250 | 690 | 260 | 300 | 97 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 110 | 690 | 770 | 860 | 870 | 660 | 300 | 48 |
| Forsmark area | | Surface | 139 | 73 | 760 | 850 | 880 | 950 | 770 | 200 | 27 |
| Forsmark area | | Bottom | 45 | 110 | 810 | 860 | 880 | 900 | 810 | 100 | 17 |
| Simpevarp area | | Surface | 160 | 140 | 860 | 1100 | 1100 | 1200 | 970 | 200 | 24 |
| Simpevarp area | | Bottom | 157 | 340 | 1000 | 1100 | 1200 | 1300 | 1100 | 100 | 13 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 36 | 26 | 31 | 34 | 37 | 50 | 35 | 5 | 14 |
| Söder Eckarfjärden | PFM000071 | Surface | 29 | 30 | 37 | 40 | 42 | 49 | 40 | 4 | 11 |
| Norr Eckarfjärden | PFM000070 | Surface | 37 | 7.1 | 24 | 26 | 27 | 34 | 26 | 5 | 18 |
| Bolundskogen | PFM000069 | Surface | 40 | 26 | 38 | 41 | 43 | 53 | 40 | 6 | 15 |
| Kungsträsket | PFM000068 | Surface | 40 | 22 | 32 | 36 | 39 | 52 | 36 | 6 | 18 |
| Lillputtsundet | PFM000067 | Surface | 35 | 30 | 36 | 39 | 56 | 91 | 47 | 20 | 37 |
| Flottbron | PFM000072 | Surface | 34 | 18 | 36 | 41 | 51 | 69 | 43 | 10 | 27 |
| Söder Bredviken | PFM000073 | Surface | 21 | 51 | 69 | 73 | 77 | 90 | 72 | 8 | 11 |
| Forsmark area | | Surface | 272 | 7.1 | 32 | 37 | 43 | 91 | 40 | 10 | 35 |
| Simpevarp area | | Surface | 571 | 5.8 | 11 | 13 | 17 | 34 | 14 | 5 | 34 |
| Sweden | N.S.2000 | Surface | 725 | 0.71 | 2.9 | 5.3 | 11 | 130 | 12 | 20 | 140 |

Electrical conductivity (field) (mS/m)

| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|-------|-----|------|-------------|------|------|------|------|-----|
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 42 | 26 | 34 | 36 | 40 | 57 | 37 | 7 | 18 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 39 | 25 | 31 | 35 | 39 | 50 | 36 | 6 | 16 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 22 | 30 | 34 | 39 | 48 | 60 | 41 | 9 | 21 |
| Eckarfjärden | PFM000117 | Surface | 45 | 17 | 21 | 24 | 28 | 32 | 25 | 4 | 17 |
| Eckarfjärden | PFM000117 | Bottom | 23 | 20 | 22 | 26 | 30 | 36 | 27 | 5 | 17 |
| Bolundsfjärden | PFM000107 | Surface | 50 | 25 | 34 | 38 | 51 | 130 | 45 | 20 | 42 |
| Bolundsfjärden | PFM000107 | Bottom | 23 | 39 | 49 | 55 | 73 | 480 | 130 | 200 | 130 |
| Norra bassängen | PFM000097 | Surface | 34 | 29 | 47 | 71 | 94 | 450 | 99 | 90 | 93 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 28 | 30 | 34 | 36 | 38 | 33 | 3 | 11 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 28 | 29 | 30 | 34 | 38 | 32 | 3 | 10 |
| Fiskarfjärden | PFM000135 | Surface | 19 | 29 | 31 | 35 | 45 | 60 | 39 | 10 | 26 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 60 | | 60 | | 60 | 60 | | |
| Forsmark area | | Surface | 246 | 17 | 30 | 35 | 42 | 450 | 45 | 40 | 94 |
| Forsmark area | | Bottom | 78 | 20 | 30 | 36 | 51 | 480 | 62 | 100 | 160 |
| Simpevarp area | | Surface | 102 | 9.4 | 11 | 12 | 15 | 18 | 13 | 3 | 21 |
| Simpevarp area | | Bottom | 103 | 9.1 | 11 | 14 | 17 | 31 | 15 | 4 | 26 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 570 | 850 | 890 | 900 | 940 | 860 | 80 | 9.6 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 570 | 750 | 810 | 870 | 900 | 790 | 100 | 13 |
| Alt. SV Forslingen | PFM000082 | Surface | 9 | 600 | 730 | 830 | 880 | 920 | 810 | 100 | 13 |
| Alt. SV Forslingen | PFM000082 | Bottom | 9 | 610 | 740 | 860 | 890 | 920 | 810 | 100 | 13 |
| Tixelfjärden | PFM000063 | Surface | 40 | 490 | 790 | 860 | 880 | 910 | 810 | 100 | 13 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 570 | 720 | 850 | 880 | 920 | 790 | 100 | 14 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 820 | 830 | 840 | 860 | 880 | 840 | 30 | 3.6 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 820 | 850 | 870 | 870 | 880 | 860 | 30 | 3.8 |
| Kallriga, norra | PFM000064 | Surface | 35 | 130 | 600 | 750 | 830 | 870 | 680 | 200 | 30 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 440 | 670 | 780 | 830 | 870 | 730 | 100 | 17 |
| Kallriga, södra | PFM000065 | Surface | 35 | 120 | 550 | 790 | 830 | 890 | 660 | 200 | 35 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 46 | 80 | 110 | 260 | 700 | 240 | 300 | 110 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 130 | 610 | 700 | 840 | 900 | 640 | 300 | 48 |
| Forsmark area | | Surface | 171 | 46 | 680 | 830 | 870 | 940 | 750 | 200 | 27 |
| Forsmark area | | Bottom | 72 | 130 | 710 | 820 | 870 | 920 | 770 | 100 | 18 |
| Simpevarp area | | Surface | 143 | 200 | 870 | 1100 | 1200 | 1300 | 1000 | 200 | 20 |
| Simpevarp area | | Bottom | 145 | 710 | 1100 | 1100 | 1200 | 1300 | 1100 | 100 | 9.7 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 41 | 20 | 30 | 33 | 35 | 46 | 33 | 5 | 15 |
| Söder Eckarfjärden | PFM000071 | Surface | 32 | 29 | 36 | 39 | 40 | 47 | 38 | 4 | 11 |
| Norr Eckarfjärden | PFM000070 | Surface | 42 | 9.4 | 22 | 24 | 27 | 34 | 24 | 5 | 22 |
| Bolundskogen | PFM000069 | Surface | 48 | 27 | 36 | 39 | 42 | 54 | 39 | 6 | 15 |
| Kungsträsket | PFM000068 | Surface | 47 | 22 | 31 | 33 | 40 | 51 | 35 | 6 | 18 |
| Lillputtsundet | PFM000067 | Surface | 41 | 27 | 36 | 40 | 55 | 87 | 47 | 20 | 33 |
| Flottbron | PFM000072 | Surface | 37 | 25 | 36 | 42 | 52 | 100 | 47 | 20 | 38 |
| Söder Bredviken | PFM000073 | Surface | 21 | 30 | 64 | 70 | 77 | 85 | 68 | 10 | 19 |
| Forsmark area | | Surface | 309 | 9.4 | 31 | 37 | 42 | 100 | 39 | 10 | 37 |

Light penetration (field) (m)

| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|--------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Lake Water | | | | | | | | | | | |
| Labboträsket | PFM000074 | Surface | 38 | 0.30 | 0.73 | 0.90 | 1.0 | 1.2 | 0.87 | 0.2 | 22 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 37 | 1.6 | 1.8 | 1.9 | 2.0 | 2.2 | 1.9 | 0.1 | 7.2 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 20 | 1.6 | 1.8 | 1.9 | 2.0 | 2.2 | 1.9 | 0.2 | 8.5 |
| Eckarfjärden | PFM000117 | Surface | 43 | 1.8 | 2.0 | 2.1 | 2.2 | 2.3 | 2.1 | 0.10 | 4.7 |
| Eckarfjärden | PFM000117 | Bottom | 21 | 1.8 | 2.0 | 2.1 | 2.2 | 2.2 | 2.1 | 0.1 | 5.2 |
| Bolundsfjärden | PFM000107 | Surface | 48 | 1.0 | 1.6 | 1.7 | 1.8 | 2.0 | 1.7 | 0.1 | 8.8 |
| Bolundsfjärden | PFM000107 | Bottom | 21 | 1.5 | 1.6 | 1.6 | 1.8 | 2.0 | 1.7 | 0.1 | 7.8 |
| Norra bassängen | PFM000097 | Surface | 33 | 0.50 | 0.70 | 0.80 | 1.0 | 1.2 | 0.83 | 0.2 | 20 |
| Fiskarfjärden | PFM000127 | Surface | 13 | 1.3 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 0.1 | 8.6 |
| Fiskarfjärden | PFM000127 | Bottom | 9 | 1.4 | 1.5 | 1.6 | 1.7 | 1.7 | 1.6 | 0.1 | 6.9 |
| Fiskarfjärden | PFM000135 | Surface | 17 | 0.60 | 1.2 | 1.4 | 1.6 | 1.8 | 1.4 | 0.3 | 23 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 1.5 | | 1.5 | | 1.5 | 1.5 | | |
| Forsmark area | | Surface | 230 | 0.30 | 1.0 | 1.6 | 1.9 | 2.3 | 1.5 | 0.5 | 34 |
| Forsmark area | | Bottom | 72 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 1.8 | 0.2 | 13 |
| Simpevarp area | | Surface | 107 | 0.80 | 1.4 | 1.8 | 2.4 | 5.4 | 2.1 | 1 | 48 |
| Simpevarp area | | Bottom | 109 | 0.80 | 1.4 | 1.8 | 2.4 | 5.4 | 2.1 | 1.0 | 47 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 2.7 | 3.4 | 3.6 | 3.8 | 4.6 | 3.6 | 0.4 | 10 |
| SV Forslingens grund | PFM000062 | Bottom | 15 | 3.0 | 3.4 | 3.5 | 3.7 | 4.0 | 3.5 | 0.3 | 7.3 |
| Alt. SV Forslingen | PFM000082 | Surface | 8 | 2.3 | 3.4 | 4.1 | 5.2 | 6.4 | 4.3 | 1 | 33 |
| Alt. SV Forslingen | PFM000082 | Bottom | 8 | 2.3 | 3.4 | 4.1 | 5.2 | 6.4 | 4.3 | 1 | 33 |
| Tixelfjärden | PFM000063 | Surface | 40 | 1.5 | 2.7 | 3.4 | 4.1 | 5.0 | 3.4 | 1.0 | 29 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 1.5 | 2.7 | 3.7 | 4.5 | 5.0 | 3.5 | 1 | 31 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 2.2 | 2.4 | 2.6 | 3.1 | 3.5 | 2.8 | 0.7 | 24 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 2.2 | 2.4 | 2.6 | 3.1 | 3.5 | 2.8 | 0.7 | 24 |
| Kallriga, norra | PFM000064 | Surface | 35 | 0.80 | 1.3 | 1.5 | 1.7 | 1.8 | 1.4 | 0.3 | 20 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 1.0 | 1.3 | 1.5 | 1.6 | 1.8 | 1.4 | 0.2 | 16 |
| Kallriga, södra | PFM000065 | Surface | 35 | 0.30 | 1.1 | 1.2 | 1.3 | 1.5 | 1.1 | 0.3 | 24 |
| Alt. Kallriga | PFM000084 | Surface | 4 | 0.90 | 1.1 | 1.4 | 1.5 | 1.5 | 1.3 | 0.3 | 23 |
| Alt. Kallriga | PFM000084 | Bottom | 4 | 0.90 | 1.1 | 1.4 | 1.5 | 1.5 | 1.3 | 0.3 | 23 |
| Forsmark area | | Surface | 169 | 0.30 | 1.3 | 2.3 | 3.6 | 6.4 | 2.5 | 1 | 52 |
| Forsmark area | | Bottom | 70 | 0.90 | 1.5 | 2.9 | 3.7 | 6.4 | 2.9 | 1 | 46 |
| Simpevarp area | | Surface | 159 | <5 | <5 | 5.0 | 8.5 | 23 | 6.3 | 4 | 68 |
| Simpevarp area | | Bottom | 155 | <5 | <5 | 5.0 | 8.5 | 23 | 6.3 | 4 | 69 |
| Streaming Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 3 | 0.10 | 0.15 | 0.20 | 0.20 | 0.20 | 0.17 | 0.06 | 35 |
| Söder Eckarfjärden | PFM000071 | Surface | 3 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | | |
| Norr Eckarfjärden | PFM000070 | Surface | 3 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.17 | 0.1 | 69 |
| Bolundskogen | PFM000069 | Surface | 3 | | 0.10 | 0.20 | 0.20 | 0.20 | 0.13 | 0.1 | 87 |
| Kungsträsket | PFM000068 | Surface | 3 | 0.30 | 0.40 | 0.50 | 0.50 | 0.50 | 0.43 | 0.1 | 27 |
| Lillputtsundet | PFM000067 | Surface | 3 | 0.10 | 0.10 | 0.10 | 0.15 | 0.20 | 0.13 | 0.06 | 43 |
| Flottbron | PFM000072 | Surface | 3 | 0.50 | 0.60 | 0.70 | 0.85 | 1.0 | 0.73 | 0.3 | 34 |
| Forsmark area | | Surface | 21 | | 0.10 | 0.20 | 0.30 | 1.0 | 0.27 | 0.2 | 92 |

Surface Water

Light (field) ($\mu\text{molE/m}^{**2}\text{xs}$)

| Lake Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|-----------------------|-----------|---------|-------|------|------|------------|------|------|------|------|-----|
| Labbotrasket | PFM000074 | Surface | 29 | 1.7 | 16 | 47 | 130 | 820 | 120 | 200 | 150 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 21 | 1.7 | 21 | 50 | 140 | 940 | 130 | 200 | 170 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 7 | <0.2 | 0.20 | 1.8 | 20 | 70 | 16 | 30 | 170 |
| Eckarfjärden | PFM000117 | Surface | 28 | 0.70 | 44 | 120 | 240 | 1000 | 170 | 200 | 120 |
| Eckarfjärden | PFM000117 | Bottom | 8 | <0.4 | 4.4 | 6.5 | 8.4 | 59 | 12 | 20 | 160 |
| Bolundsfjärden | PFM000107 | Surface | 33 | 0.50 | 15 | 49 | 110 | 390 | 88 | 100 | 120 |
| Bolundsfjärden | PFM000107 | Bottom | 8 | <0.3 | 2.0 | 5.0 | 20 | 210 | 34 | 70 | 210 |
| Norra bassängen | PFM000097 | Surface | 18 | 0.10 | 54 | 91 | 300 | 800 | 220 | 300 | 120 |
| Fiskarfjärden | PFM000127 | Surface | 5 | 5.9 | 20 | 75 | 320 | 430 | 170 | 200 | 110 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 2.7 | | 2.7 | | 2.7 | 2.7 | | |
| Fiskarfjärden | PFM000135 | Surface | 13 | 3.7 | 10 | 70 | 220 | 830 | 160 | 200 | 140 |
| Forsmark area | | Surface | 147 | <0.4 | 19 | 68 | 180 | 1000 | 140 | 200 | 140 |
| Forsmark area | | Bottom | 24 | <0.4 | 0.73 | 4.7 | 13 | 210 | 20 | 40 | 220 |
| Simpevarp area | | Surface | 97 | 3.6 | 27 | 54 | 170 | 1100 | 120 | 200 | 130 |
| Simpevarp area | | Bottom | 98 | 1.6 | 4.2 | 4.5 | 5.1 | 16 | 5.1 | 2 | 40 |
| Sea Water | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 30 | | 83 | 220 | 660 | 1200 | 410 | 400 | 96 |
| SV Forslingens grund | PFM000062 | Bottom | 4 | 6.0 | 13 | 18 | 44 | 110 | 39 | 50 | 130 |
| Alt. SV Forslingen | PFM000082 | Surface | 4 | 52 | 53 | 80 | 390 | 1200 | 360 | 600 | 160 |
| Alt. SV Forslingen | PFM000082 | Bottom | 4 | 2.0 | 2.8 | 7.9 | 14 | 16 | 8.5 | 7 | 83 |
| Tixelfjärden | PFM000063 | Surface | 25 | 1.8 | 84 | 240 | 840 | 1400 | 430 | 400 | 96 |
| Tixelfjärden | PFM000063 | Bottom | 6 | <0.1 | 5.3 | 10 | 25 | 42 | 16 | 20 | 100 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 48 | | 48 | | 48 | 48 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 1.3 | | 1.3 | | 1.3 | 1.3 | | |
| Kallriga, norra | PFM000064 | Surface | 21 | 6.3 | 52 | 210 | 580 | 2100 | 430 | 500 | 120 |
| Kallriga, norra | PFM000064 | Bottom | 5 | 3.2 | 3.4 | 7.5 | 38 | 290 | 68 | 100 | 180 |
| Kallriga, södra | PFM000065 | Surface | 22 | 1.8 | 43 | 140 | 520 | 860 | 260 | 300 | 100 |
| Alt. Kallriga | PFM000084 | Surface | 3 | 100 | 130 | 160 | 180 | 200 | 150 | 50 | 30 |
| Alt. Kallriga | PFM000084 | Bottom | 3 | 2.9 | 3.8 | 4.7 | 9.8 | 15 | 7.5 | 6 | 86 |
| Forsmark area | | Surface | 106 | <0.1 | 56 | 190 | 660 | 2100 | 380 | 400 | 110 |
| Forsmark area | | Bottom | 23 | <0.1 | 3.3 | 7.5 | 19 | 290 | 28 | 60 | 220 |
| Simpevarp area | | Surface | 135 | 7.2 | 77 | 240 | 520 | 2400 | 370 | 400 | 110 |
| Simpevarp area | | Bottom | 137 | 1.5 | 4.5 | 7.4 | 24 | 290 | 23 | 40 | 160 |

Surface Water

Salinity (field) (per mill)

| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|-------|--------|--------|---------------|--------|--------|--------|-------|-----|
| Lake Water | | | | | | | | | | | |
| Labbotträsket | PFM000074 | Surface | 39 | | 0.160 | 0.170 | 0.190 | 0.270 | 0.173 | 0.052 | 30 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 33 | | 0.140 | 0.170 | 0.190 | 0.250 | 0.162 | 0.054 | 33 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 16 | | 0.150 | 0.175 | 0.250 | 0.280 | 0.178 | 0.083 | 47 |
| Eckarfjärden | PFM000117 | Surface | 38 | | 0.100 | 0.110 | 0.130 | 0.160 | 0.109 | 0.034 | 31 |
| Eckarfjärden | PFM000117 | Bottom | 16 | | 0.100 | 0.125 | 0.150 | 0.170 | 0.114 | 0.050 | 44 |
| Bolundsfjärden | PFM000107 | Surface | 48 | | 0.160 | 0.170 | 0.193 | 0.640 | 0.183 | 0.089 | 48 |
| Bolundsfjärden | PFM000107 | Bottom | 22 | | 0.100 | 0.200 | 0.260 | 2.54 | 0.588 | 0.91 | 150 |
| Norra bassängen | PFM000097 | Surface | 34 | | 0.173 | 0.255 | 0.445 | 2.37 | 0.436 | 0.51 | 120 |
| Fiskarfjärden | PFM000127 | Surface | 10 | | 0.160 | 0.175 | 0.180 | 0.200 | 0.143 | 0.077 | 54 |
| Fiskarfjärden | PFM000127 | Bottom | 6 | | 0.0400 | 0.160 | 0.160 | 0.180 | 0.110 | 0.086 | 78 |
| Fiskarfjärden | PFM000135 | Surface | 18 | 0.140 | 0.150 | 0.170 | 0.215 | 0.300 | 0.192 | 0.052 | 27 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 0.270 | | 0.270 | | 0.270 | 0.270 | | |
| Forsmark area | | Surface | 221 | | 0.140 | 0.170 | 0.200 | 2.37 | 0.202 | 0.23 | 110 |
| Forsmark area | | Bottom | 61 | | 0.100 | 0.160 | 0.230 | 2.54 | 0.304 | 0.58 | 190 |
| Simpevarp area | | Surface | 102 | 0.0400 | 0.0500 | 0.0600 | 0.0775 | 0.0900 | 0.0616 | 0.013 | 21 |
| Simpevarp area | | Bottom | 103 | 0.0400 | 0.0500 | 0.0700 | 0.0800 | 0.150 | 0.0693 | 0.018 | 26 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 42 | 3.03 | 4.71 | 4.90 | 5.03 | 5.25 | 4.75 | 0.49 | 10 |
| SV Forslingens grund | PFM000062 | Bottom | 14 | 3.03 | 4.08 | 4.52 | 4.80 | 5.05 | 4.32 | 0.63 | 15 |
| Alt. SV Forslingen | PFM000082 | Surface | 9 | 3.25 | 3.91 | 4.56 | 4.70 | 5.02 | 4.37 | 0.59 | 13 |
| Alt. SV Forslingen | PFM000082 | Bottom | 9 | 3.32 | 3.97 | 4.60 | 4.83 | 5.06 | 4.42 | 0.61 | 14 |
| Tixelfjärden | PFM000063 | Surface | 40 | 2.61 | 4.32 | 4.76 | 4.89 | 5.02 | 4.47 | 0.65 | 15 |
| Tixelfjärden | PFM000063 | Bottom | 21 | 3.05 | 3.85 | 4.64 | 4.80 | 5.03 | 4.33 | 0.65 | 15 |
| Alt. Tixelfjärden | PFM000083 | Surface | 3 | 4.40 | 4.47 | 4.53 | 4.62 | 4.70 | 4.54 | 0.15 | 3.3 |
| Alt. Tixelfjärden | PFM000083 | Bottom | 3 | 4.53 | 4.62 | 4.70 | 4.70 | 4.70 | 4.64 | 0.098 | 2.1 |
| Kallriga, norra | PFM000064 | Surface | 35 | 0.650 | 3.21 | 4.14 | 4.63 | 4.81 | 3.71 | 1.2 | 31 |
| Kallriga, norra | PFM000064 | Bottom | 19 | 2.28 | 3.60 | 4.20 | 4.58 | 4.80 | 3.99 | 0.73 | 18 |
| Kallriga, södra | PFM000065 | Surface | 35 | 0.560 | 2.93 | 4.37 | 4.60 | 4.99 | 3.64 | 1.3 | 37 |
| Alt. Kallriga | PFM000084 | Surface | 5 | 0.200 | 0.220 | 0.300 | 1.32 | 3.81 | 1.17 | 1.5 | 130 |
| Alt. Kallriga | PFM000084 | Bottom | 5 | 0.400 | 3.33 | 3.81 | 4.50 | 4.93 | 3.39 | 1.8 | 53 |
| Forsmark area | | Surface | 171 | 0.200 | 3.65 | 4.60 | 4.81 | 5.25 | 4.10 | 1.2 | 28 |
| Forsmark area | | Bottom | 71 | 0.400 | 3.83 | 4.52 | 4.75 | 5.06 | 4.19 | 0.80 | 19 |
| Simpevarp area | | Surface | 143 | 1.00 | 4.86 | 6.21 | 6.65 | 7.10 | 5.73 | 1.2 | 21 |
| Simpevarp area | | Bottom | 145 | 3.90 | 6.13 | 6.50 | 6.76 | 7.71 | 6.34 | 0.65 | 10 |
| Bottenhavet | SMHI:MS4 | Surface | 35 | 4.56 | 4.89 | 5.16 | 5.27 | 5.46 | 5.10 | 0.25 | 4.8 |
| Bottenhavet | SMHI:MS4 | Bottom | 34 | 5.10 | 5.33 | 5.42 | 5.46 | 5.58 | 5.40 | 0.10 | 1.9 |
| Östersjön | SMHI:BY29 | Surface | 46 | 5.78 | 6.24 | 6.53 | 6.79 | 7.17 | 6.51 | 0.35 | 5.4 |
| Östersjön | SMHI:BY29 | Bottom | 46 | 6.60 | 6.79 | 6.89 | 7.05 | 7.22 | 6.91 | 0.16 | 2.3 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Öster Gunnarsboträsket | PFM000066 | Surface | 33 | | 0.140 | 0.150 | 0.170 | 0.220 | 0.153 | 0.038 | 25 |
| Söder Eckarfjärden | PFM000071 | Surface | 25 | | 0.170 | 0.180 | 0.200 | 0.230 | 0.175 | 0.042 | 24 |
| Norr Eckarfjärden | PFM000070 | Surface | 36 | | 0.0975 | 0.115 | 0.130 | 0.160 | 0.105 | 0.039 | 37 |
| Bolundskogen | PFM000069 | Surface | 40 | | 0.170 | 0.190 | 0.200 | 0.260 | 0.181 | 0.049 | 27 |
| Kungsträsket | PFM000068 | Surface | 39 | | 0.150 | 0.160 | 0.195 | 0.230 | 0.162 | 0.048 | 30 |
| Lillputtsundet | PFM000067 | Surface | 39 | | 0.165 | 0.180 | 0.200 | 0.290 | 0.181 | 0.057 | 31 |
| Flottbron | PFM000072 | Surface | 29 | | 0.180 | 0.210 | 0.280 | 0.510 | 0.230 | 0.11 | 48 |
| Söder Bredviken | PFM000073 | Surface | 19 | 0.100 | 0.245 | 0.350 | 0.365 | 0.410 | 0.295 | 0.11 | 36 |
| Forsmark area | | Surface | 260 | | 0.140 | 0.170 | 0.200 | 0.510 | 0.177 | 0.078 | 44 |

Turbidity (field) (FNU)

| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------------|-----------|---------|-------|-------|------|-------------|------|------|------|------|-----|
| Lake Water | | | | | | | | | | | |
| Labbotrasket | PFM000074 | Surface | 33 | | 0.50 | 0.80 | 1.1 | 57 | 2.7 | 10 | 370 |
| Gunnarsbo-Lillfjärden | PFM000087 | Surface | 27 | | 0.55 | 0.70 | 0.95 | 4.9 | 1.0 | 1 | 120 |
| Gunnarsbo-Lillfjärden | PFM000087 | Bottom | 10 | 0.050 | 0.26 | 0.53 | 1.1 | 11 | 2.0 | 3 | 170 |
| Eckarfjärden | PFM000117 | Surface | 32 | | 0.39 | 0.53 | 0.80 | 4.3 | 0.70 | 0.7 | 100 |
| Eckarfjärden | PFM000117 | Bottom | 10 | | 0.24 | 0.60 | 0.86 | 4.6 | 0.92 | 1 | 140 |
| Bolundsfjärden | PFM000107 | Surface | 37 | 0.15 | 0.45 | 0.65 | 0.90 | 190 | 6.3 | 30 | 490 |
| Bolundsfjärden | PFM000107 | Bottom | 10 | 0.10 | 0.20 | 0.55 | 0.68 | 4.4 | 0.84 | 1 | 150 |
| Norra bassängen | PFM000097 | Surface | 22 | | 0.48 | 1.2 | 3.1 | 880 | 43 | 200 | 440 |
| Fiskarfjärden | PFM000127 | Surface | 5 | 0.30 | 0.30 | 0.35 | 1.3 | 4.7 | 1.4 | 2 | 140 |
| Fiskarfjärden | PFM000127 | Bottom | 1 | 0.35 | | 0.35 | | 0.35 | 0.35 | | |
| Fiskarfjärden | PFM000135 | Surface | 17 | 0.10 | 0.25 | 0.55 | 1.0 | 12 | 2.0 | 3 | 160 |
| Fiskarfjärden | PFM000135 | Bottom | 1 | 3.5 | | 3.5 | | 3.5 | 3.5 | | |
| Forsmark area | | Surface | 173 | | 0.45 | 0.70 | 1.0 | 880 | 7.8 | 70 | 880 |
| Forsmark area | | Bottom | 32 | | 0.20 | 0.55 | 0.95 | 11 | 1.3 | 2 | 170 |
| Simpevarp area | | Surface | 103 | | 0.80 | 1.2 | 2.1 | 19 | 1.9 | 2 | 120 |
| Simpevarp area | | Bottom | 104 | 0.20 | 2.7 | 4.9 | 8.8 | 32 | 7.1 | 7 | 96 |
| Sea Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SV Forslingens grund | PFM000062 | Surface | 32 | | 0.35 | 0.53 | 0.70 | 6.4 | 1.1 | 2 | 160 |
| SV Forslingens grund | PFM000062 | Bottom | 4 | 0.50 | 0.69 | 2.7 | 5.0 | 5.7 | 2.9 | 3 | 92 |
| Alt. SV Forslingen | PFM000082 | Surface | 6 | | 0.20 | 0.73 | 0.80 | 0.90 | 0.53 | 0.4 | 75 |
| Alt. SV Forslingen | PFM000082 | Bottom | 6 | 0.10 | 0.23 | 0.38 | 0.56 | 1.1 | 0.46 | 0.4 | 79 |
| Tixelfjärden | PFM000063 | Surface | 28 | | 0.20 | 0.40 | 1.1 | 5.1 | 0.89 | 1 | 140 |
| Tixelfjärden | PFM000063 | Bottom | 9 | | 0.10 | 0.70 | 1.6 | 5.8 | 1.7 | 2 | 130 |
| Alt. Tixelfjärden | PFM000083 | Surface | 1 | 1.3 | | 1.3 | | 1.3 | 1.3 | | |
| Alt. Tixelfjärden | PFM000083 | Bottom | 1 | 1.5 | | 1.5 | | 1.5 | 1.5 | | |
| Kallriga, norra | PFM000064 | Surface | 24 | 0.10 | 1.3 | 3.9 | 5.5 | 24 | 4.8 | 5 | 110 |
| Kallriga, norra | PFM000064 | Bottom | 8 | 1.5 | 1.9 | 4.5 | 7.1 | 33 | 7.6 | 10 | 140 |
| Kallriga, södra | PFM000065 | Surface | 25 | | 1.7 | 3.8 | 6.1 | 40 | 7.4 | 10 | 150 |
| Alt. Kallriga | PFM000084 | Surface | 3 | 5.3 | 5.8 | 6.2 | 7.0 | 7.7 | 6.4 | 1 | 19 |
| Alt. Kallriga | PFM000084 | Bottom | 3 | 0.45 | 0.53 | 0.60 | 4.7 | 8.7 | 3.3 | 5 | 150 |
| Forsmark area | | Surface | 119 | | 0.40 | 0.80 | 4.3 | 40 | 3.2 | 6 | 190 |
| Forsmark area | | Bottom | 31 | | 0.48 | 1.2 | 5.0 | 33 | 3.3 | 6 | 180 |
| Simpevarp area | | Surface | 142 | | 0.10 | 0.30 | 0.78 | 18 | 1.1 | 3 | 270 |
| Simpevarp area | | Bottom | 143 | | 0.20 | 0.50 | 1.6 | 24 | 1.9 | 4 | 200 |
| Streaming Water | | | | | | | | | | | |
| | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Söder Bredviken | PFM000073 | Surface | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Forsmark area | | Surface | 1 | 0.10 | | 0.10 | | 0.10 | 0.10 | | |
| Simpevarp area | | Surface | 2 | 6.2 | 6.5 | 6.8 | 7.0 | 7.3 | 6.8 | 0.8 | 12 |

Appendix 2 – Forsmark soil tubes

| Element | Description | Abbreviation | Page |
|---------------------|----------------------------|---------------------|-------------|
| Aluminium | Aluminium | Al | 1 |
| Antimony | Antimony | Sb | 2 |
| Arsenic | Arsenic | As | 2 |
| Barium | Barium | Ba | 3 |
| Boron | Boron-10 (B10/B11) | B-10 | 4 |
| Bromide | Bromide | Br | 5 |
| Cadmium | Cadmium | Cd | 6 |
| Calcium | Calcium | Ca | 7 |
| Carbon | Bicarbonate | HCO ₃ | 8 |
| | Carbon-13 | C-13 | 9 |
| | Carbon-14 | C-14 | 10 |
| | Dissolved inorganic carbon | DIC | 10 |
| | Dissolved organic carbon | DOC | 11 |
| | Particulate organic carbon | POC | 11 |
| | Total organic carbon | TOC | 12 |
| Cerium | Cerium | Ce | 12 |
| Cesium | Cesium | Cs | 13 |
| Chlorine | Chloride | Cl | 14 |
| | Chlorine-37 | Cl-37 | 15 |
| Chromium | Chromium | Cr | 15 |
| Cobalt | Cobalt | Co | 16 |
| Conductivity | Electrical conductivity | | 65 |
| Copper | Copper | Cu | 16 |
| Deuterium | Deuterium | D | 17 |
| Dysprosium | Dysprosium | Dy | 18 |
| Erbium | Erbium | Er | 18 |
| Europium | Europium | Eu | 19 |
| Fluoride | Fluoride | F | 20 |
| Gadolinium | Gadolinium | Gd | 21 |
| Hafnium | Hafnium | Hf | 21 |
| Holmium | Holmium | Ho | 22 |
| Hydrogen | pH (lab) | pH | 23 |
| | Tritium | Tr | 24 |
| Indium | Indium | In | 25 |
| Iodide | Iodide | I | 26 |
| Iron | Ferrous iron | Fe(II) | 27 |
| | Iron (total ICP) | Fe | 28 |
| | Iron (total spectrometric) | Fe | 29 |
| Lanthanum | Lanthanum | La | 29 |
| Lead | Lead | Pb | 30 |
| Lithium | Lithium | Li | 31 |
| Lutetium | Lutetium | Lu | 32 |
| Magnesium | Magnesium | Mg | 33 |
| Manganese | Manganese | Mn | 34 |
| Mercury | Mercury | Hg | 35 |

| Element | Description | Abbreviation | Page |
|---------------------|-------------------------------------|---------------------|-------------|
| Molybdenium | Molybdenium | Mo | 35 |
| Neodymium | Neodymium | Nd | 36 |
| Nickel | Nickel | Ni | 36 |
| Nitrogen | Nitrogen - total | tot-N | 37 |
| | Nitrogen as ammonium | NH4-N | 38 |
| Nitrogen | Nitrogen as nitrate | NO3-N | 39 |
| | Nitrogen as nitrate and nitrite | NO23-N | 39 |
| | Particulate organic nitrogen | PON | 40 |
| Oxygen | Chemical oxygen demand | COD | 40 |
| | Oxygen (lab + field) | O2 (lab + field) | 40 |
| | Oxygen-18 | O-18 | 41 |
| Phosphorus | Particulate organic phosphorus | POP | 42 |
| | Phosphorus as phosphate | PO4-P | 42 |
| | Phosphorus- total | tot-P | 43 |
| Potassium | Potassium | K | 44 |
| Praseodymium | Praseodymium | Pr | 45 |
| Radium | Radium-226 | Ra-226 | 45 |
| Radon | Radon-222 | Rn-222 | 46 |
| Rubidium | Rubidium | Rb | 46 |
| Samarium | Samarium | Sm | 47 |
| Scandium | Scandium | Sc | 48 |
| Silicon | Silicon | Si | 49 |
| | Silicon as silicate | SiO2-Si | 50 |
| Sodium | Sodium | Na | 51 |
| Strontium | Strontium | Sr | 52 |
| | Strontium-87 (Sr87/Sr86) | Sr-87 | 53 |
| Sulphur | Hydrogen sulphide as total sulphide | S2 (HS) | 53 |
| | Sulphate | SO4 | 54 |
| | Sulphate as sulphur | SO4-S | 55 |
| | Sulphur-34 | S-34 | 56 |
| Terbium | Terbium | Tb | 56 |
| Thallium | Thallium | Tl | 57 |
| Thorium | Thorium | Th | 58 |
| | Thorium-230 | Th-230 | 58 |
| | Thorium-232 | Th-232 | 59 |
| Thulium | Thulium | Tm | 59 |
| Uranium | Uranium | U | 60 |
| | Uranium-234 | U-234 | 60 |
| | Uranium-235 | U-235 | 61 |
| | Uranium-238 | U-238 | 61 |
| Vanadium | Vanadium | V | 62 |
| Ytterbium | Ytterbium | Yb | 62 |
| Yttrium | Yttrium | Yb | 63 |
| Zinc | Zinc | Zn | 63 |
| Zirconium | Zirconium | Zr | 64 |

Ground Water

| Al | | | Aluminium (µg/l) | | | | | | | | Al |
|------------------|---------------|-----------|------------------|------|------|----------------|------|------|------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 7 | 27 | 32 | 36 | 55 | 70 | 44 | 20 | 37 |
| SFM0002 | HIGH (2:1) | DS | 7 | 19 | 23 | 25 | 38 | 100 | 38 | 30 | 77 |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.99 | 2.2 | 7.7 | 26 | 35 | 14 | 10 | 100 |
| SFM0005 | HIGH (Coast) | DS | 4 | 30 | 37 | 43 | 49 | 53 | 42 | 10 | 23 |
| SFM0006 | HIGH (5:1) | DS | 3 | 5.4 | 7.6 | 9.9 | 10 | 11 | 8.6 | 3 | 32 |
| SFM0008 | HIGH (5:1) | DS | 5 | 2.1 | 3.1 | 8.4 | 12 | 20 | 9.1 | 7 | 80 |
| SFM0009 | HIGH (2:6) | DS | 5 | 11 | 13 | 20 | 37 | 55 | 27 | 20 | 69 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 5.7 | | | 5.7 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.2 | | | <0.2 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <2 | | | <2 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | 2.2 | | | 2.2 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 1.2 | 3.5 | 5.5 | 6.6 | 9.6 | 5.3 | 3 | 60 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 3.3 | 3.4 | 3.8 | 7.3 | 28 | 9.1 | 10 | 110 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 1.7 | 2.1 | 2.2 | 2.4 | 5.3 | 2.7 | 1 | 52 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 12 | 13 | 14 | 14 | 20 | 15 | 3 | 22 |
| SFM0037 | LOW (2:1) | not DS | 4 | 15 | 21 | 31 | 170 | 560 | 160 | 300 | 170 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 34 | 38 | 41 | 73 | 100 | 60 | 40 | 64 |
| SFM0051 | HIGH (2:1) | DS | 4 | 140 | 220 | 280 | 320 | 390 | 270 | 100 | 40 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 96 | 200 | 260 | 330 | 500 | 280 | 200 | 60 |
| SFM0056 | LOW (Coast) | not DS | 4 | 24 | 24 | 24 | 110 | 370 | 110 | 200 | 160 |
| SFM0057 | LOW (2:8) | DS | 5 | 33 | 42 | 59 | 63 | 110 | 62 | 30 | 49 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 4.5 | 5.1 | 5.7 | 6.0 | 6.4 | 5.5 | 0.9 | 17 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 89 | <2 | 5.7 | 23 | 42 | 560 | 56 | 100 | 190 |
| Forsmark area | Soil tubes | 'Higher' | 67 | <2 | 6.8 | 21 | 42 | 500 | 53 | 90 | 180 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <2 | 5.6 | 23 | 41 | 560 | 65 | 100 | 210 |
| Forsmark area | Soil tubes | In lake | 3 | <2 | <2 | <2 | 3.4 | 5.7 | 2.3 | 3 | 130 |
| Forsmark area | Soil tubes | At sea | 1 | | | 2.2 | | | 2.2 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 12 | 25 | 25 | 28 | 38 | 90 | 37 | 20 | 54 |
| Forsmark area | Private wells | drilled | 13 | 25 | 25 | 30 | 55 | 220 | 53 | 60 | 100 |
| Simpevarp area | Private wells | excavated | 101 | 5.0 | 140 | 360 | 940 | 3400 | 630 | 700 | 110 |
| Simpevarp area | Private wells | drilled | 248 | 5.0 | 20 | 50 | 140 | 1400 | 130 | 200 | 160 |
| Uppsala County | SGU well | excavated | 46 | <20 | <20 | <20 | 20 | 230 | 32 | 50 | 150 |
| Uppsala County | SGU well | drilled | 70 | <20 | <20 | <20 | <20 | 70 | <20 | 10 | 80 |
| Kalmar County | SGU well | excavated | 4 | <20 | 70 | 150 | 370 | 830 | 290 | 400 | 130 |
| Sweden | SGU well | excavated | 1423 | <20 | <20 | 30 | 100 | 1900 | 96 | 200 | 190 |
| Sweden | SGU well | drilled | 1668 | <20 | <20 | <20 | 25 | 3800 | 39 | 100 | 380 |

Ground Water

| Sb | | | Antimony (µg/l) | | | | | | | | Sb |
|------------------|--------------|----------|-----------------|-------|-------|-----------------|-------|-------|-------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.051 | 0.072 | 0.078 | 0.085 | 0.10 | 0.078 | 0.02 | 22 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.029 | 0.039 | 0.043 | 0.048 | 0.20 | 0.067 | 0.07 | 99 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.05 | <0.05 | <0.05 | <0.05 | 0.055 | <0.05 | 0.01 | 38 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.086 | 0.092 | 0.097 | 0.099 | 0.10 | 0.095 | 0.008 | 8.2 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.18 | 0.02 | 9.1 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.042 | 0.053 | 0.059 | 0.067 | 0.081 | 0.060 | 0.01 | 24 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.074 | 0.084 | 0.088 | 0.091 | 0.097 | 0.087 | 0.009 | 9.9 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.1 | | | <0.1 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.012 | | | 0.012 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.1 | | | <0.1 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.1 | | | <0.1 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.021 | 0.021 | 0.024 | 0.066 | 0.073 | 0.041 | 0.03 | 64 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.021 | 0.022 | 0.027 | 0.030 | 0.033 | 0.027 | 0.005 | 19 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.042 | 0.049 | 0.050 | 0.051 | 0.066 | 0.052 | 0.009 | 17 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.029 | 0.038 | 0.044 | 0.064 | 0.071 | 0.049 | 0.02 | 36 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.072 | 0.080 | 0.087 | 0.12 | 0.19 | 0.11 | 0.06 | 52 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.025 | 0.030 | 0.036 | 0.053 | 0.070 | 0.044 | 0.02 | 54 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.024 | 0.025 | 0.027 | 0.034 | 0.050 | 0.032 | 0.01 | 38 |
| SFM0053 | HIGH (4:2) | not DS | 4 | <0.02 | <0.02 | <0.02 | 0.021 | 0.030 | <0.02 | 0.008 | 44 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.017 | 0.025 | 0.029 | 0.033 | 0.040 | 0.029 | 0.009 | 33 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.082 | 0.10 | 0.13 | 0.13 | 0.16 | 0.12 | 0.03 | 24 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.091 | 0.098 | 0.10 | 0.16 | 0.22 | 0.14 | 0.07 | 50 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.1 | <0.1 | <0.1 | <0.1 | 0.22 | <0.1 | 0.05 | 71 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.1 | <0.1 | <0.1 | <0.1 | 0.22 | <0.1 | 0.05 | 72 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.1 | <0.1 | <0.1 | <0.1 | 0.19 | <0.1 | 0.05 | 71 |
| Forsmark area | Soil tubes | In lake | 3 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.02 | 59 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.1 | | | <0.1 | | |
| As | | | Arsenic (µg/l) | | | | | | | | As |
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 3 | <0.01 | 0.75 | 1.5 | 1.6 | 1.6 | 1.0 | 0.9 | 86 |
| SFM0002 | HIGH (2:1) | DS | 3 | 0.89 | 0.96 | 1.0 | 1.1 | 1.1 | 1.0 | 0.1 | 11 |
| SFM0003 | HIGH (2:1) | DS | 3 | 7.6 | 7.8 | 8.1 | 8.5 | 9.0 | 8.2 | 0.7 | 8.8 |
| SFM0006 | HIGH (5:1) | DS | 1 | | | 0.39 | | | 0.39 | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | 0.52 | | | 0.52 | | |
| SFM0009 | HIGH (2:6) | DS | 1 | | | 0.49 | | | 0.49 | | |
| SFM0027 | LOW (8:1) | not DS | 1 | | | 0.35 | | | 0.35 | | |
| SFM0029 | HIGH (4:2) | not DS | 1 | | | 2.0 | | | 2.0 | | |
| SFM0031 | HIGH (2:3) | not DS | 1 | | | 1.2 | | | 1.2 | | |
| SFM0032 | HIGH (2:3) | not DS | 1 | | | 1.3 | | | 1.3 | | |
| SFM0037 | LOW (2:1) | not DS | 1 | | | 1.5 | | | 1.5 | | |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | 0.47 | | | 0.47 | | |
| SFM0051 | HIGH (2:1) | DS | 2 | 0.53 | | 0.87 | | 1.2 | 0.87 | 0.5 | 55 |
| SFM0053 | HIGH (4:2) | not DS | 2 | 0.77 | | 0.99 | | 1.2 | 0.99 | 0.3 | 31 |
| SFM0056 | LOW (Coast) | not DS | 2 | 0.80 | | 1.1 | | 1.3 | 1.1 | 0.4 | 34 |
| SFM0057 | LOW (2:8) | DS | 1 | | | 0.71 | | | 0.71 | | |
| SFM0060 | HIGH (Coast) | not DS | 1 | | | 0.26 | | | 0.26 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 26 | <0.01 | 0.52 | 1.1 | 1.4 | 9.0 | 1.8 | 2 | 140 |
| Forsmark area | Soil tubes | 'Higher' | 21 | <0.01 | 0.52 | 1.1 | 1.5 | 9.0 | 2.0 | 3 | 140 |
| Forsmark area | Soil tubes | 'Lower' | 5 | 0.35 | 0.71 | 0.80 | 1.3 | 1.5 | 0.93 | 0.5 | 49 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.056 | 0.49 | 0.62 | 0.99 | 3.6 | 0.90 | 0.8 | 90 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.58 | 0.79 | 1.0 | 1.2 | 1.3 | 0.97 | 0.4 | 39 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.056 | 0.48 | 0.61 | 0.90 | 3.6 | 0.89 | 0.9 | 99 |

Ground Water

| Ba | | | Barium (µg/l) | | | | | | | | Ba |
|------------------|--------------|----------|---------------|-----|------|------------|------|-----|------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 8 | 32 | 45 | 53 | 63 | 85 | 54 | 20 | 32 |
| SFM0002 | HIGH (2:1) | DS | 8 | 79 | 84 | 90 | 100 | 120 | 94 | 10 | 14 |
| SFM0003 | HIGH (2:1) | DS | 8 | 33 | 37 | 40 | 40 | 63 | 41 | 9 | 23 |
| SFM0005 | HIGH (Coast) | DS | 4 | 47 | 60 | 65 | 65 | 65 | 60 | 9 | 14 |
| SFM0006 | HIGH (5:1) | DS | 3 | 170 | 180 | 180 | 180 | 190 | 180 | 9 | 4.8 |
| SFM0008 | HIGH (5:1) | DS | 5 | 62 | 67 | 80 | 94 | 100 | 81 | 20 | 22 |
| SFM0009 | HIGH (2:6) | DS | 5 | 27 | 29 | 32 | 36 | 44 | 34 | 6 | 19 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 35 | | | 35 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 180 | | | 180 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | 27 | | | 27 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | 37 | | | 37 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 28 | 35 | 37 | 41 | 42 | 37 | 6 | 16 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 68 | 72 | 78 | 79 | 80 | 75 | 5 | 6.8 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 44 | 48 | 51 | 52 | 55 | 50 | 4 | 8.6 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 46 | 47 | 52 | 53 | 53 | 50 | 3 | 6.6 |
| SFM0037 | LOW (2:1) | not DS | 4 | 59 | 69 | 82 | 94 | 96 | 80 | 20 | 22 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 22 | 23 | 23 | 23 | 23 | 23 | 0.8 | 3.3 |
| SFM0051 | HIGH (2:1) | DS | 4 | 75 | 82 | 85 | 88 | 91 | 84 | 7 | 7.9 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 62 | 66 | 70 | 74 | 77 | 70 | 7 | 9.6 |
| SFM0056 | LOW (Coast) | not DS | 4 | 12 | 13 | 14 | 26 | 63 | 26 | 30 | 97 |
| SFM0057 | LOW (2:8) | DS | 5 | 79 | 99 | 120 | 130 | 140 | 110 | 20 | 21 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 64 | 71 | 78 | 80 | 83 | 75 | 10 | 13 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 92 | 12 | 40 | 63 | 81 | 190 | 66 | 40 | 54 |
| Forsmark area | Soil tubes | 'Higher' | 70 | 22 | 44 | 63 | 80 | 190 | 66 | 30 | 49 |
| Forsmark area | Soil tubes | 'Lower' | 22 | 12 | 35 | 50 | 96 | 180 | 66 | 50 | 70 |
| Forsmark area | Soil tubes | In lake | 3 | 27 | 31 | 35 | 110 | 180 | 80 | 90 | 110 |
| Forsmark area | Soil tubes | At sea | 1 | | | 37 | | | 37 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 25 | 49 | 63 | 98 | 150 | 72 | 30 | 48 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 39 | 46 | 54 | 82 | 110 | 68 | 40 | 56 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 25 | 50 | 63 | 97 | 150 | 73 | 40 | 49 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 8.4 | 14 | 40 | 63 | 110 | 43 | 30 | 74 |

| B-10 | | | Boron-10 (B10/B11) (ratio) | | | | | | | | B-10 |
|-------------------------|---------------|-----------|----------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 9 | 0.1900 | 0.2363 | 0.2380 | 0.2402 | 0.2411 | 0.2330 | 0.0162 | 7.0 |
| SFM0002 | HIGH (2:1) | DS | 9 | 0.1900 | 0.2396 | 0.2418 | 0.2423 | 0.2457 | 0.2354 | 0.0173 | 7.3 |
| SFM0003 | HIGH (2:1) | DS | 9 | 0.1900 | 0.2388 | 0.2415 | 0.2431 | 0.2439 | 0.2357 | 0.0173 | 7.3 |
| SFM0005 | HIGH (Coast) | DS | 5 | 0.2283 | 0.2431 | 0.2436 | 0.2444 | 0.2463 | 0.2411 | 0.00728 | 3.0 |
| SFM0006 | HIGH (5:1) | DS | 4 | 0.2315 | 0.2410 | 0.2454 | 0.2467 | 0.2470 | 0.2423 | 0.00732 | 3.0 |
| SFM0008 | HIGH (5:1) | DS | 7 | 0.2381 | 0.2391 | 0.2397 | 0.2417 | 0.2434 | 0.2404 | 0.00195 | 0.81 |
| SFM0009 | HIGH (2:6) | DS | 6 | 0.2377 | 0.2411 | 0.2446 | 0.2457 | 0.2485 | 0.2436 | 0.00397 | 1.6 |
| SFM0012 | LOW (2:8) | Lake | 6 | 0.2346 | 0.2361 | 0.2370 | 0.2373 | 0.2389 | 0.2368 | 0.00144 | 0.61 |
| SFM0015 | LOW (2:10) | Lake | 6 | 0.2345 | 0.2358 | 0.2374 | 0.2399 | 0.2408 | 0.2377 | 0.00262 | 1.1 |
| SFM0022 | LOW (8:1) | Lake | 2 | 0.2394 | | 0.2408 | | 0.2422 | 0.2408 | 0.00198 | 0.82 |
| SFM0023 | LOW (2:3) | Lake | 4 | 0.2369 | 0.2372 | 0.2376 | 0.2385 | 0.2402 | 0.2381 | 0.00148 | 0.62 |
| SFM0024 | LOW (Coast) | Sea | 2 | 0.2389 | | 0.2390 | | 0.2390 | 0.2390 | | 0.030 |
| SFM0025 | LOW (Coast) | Sea | 5 | 0.2376 | 0.2383 | 0.2385 | 0.2388 | 0.2401 | 0.2387 | 0.000918 | 0.38 |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.2386 | 0.2393 | 0.2403 | 0.2406 | 0.2414 | 0.2401 | 0.00106 | 0.44 |
| SFM0029 | HIGH (4:2) | not DS | 6 | 0.2382 | 0.2391 | 0.2407 | 0.2427 | 0.2437 | 0.2409 | 0.00228 | 0.95 |
| SFM0031 | HIGH (2:3) | not DS | 6 | 0.2388 | 0.2405 | 0.2421 | 0.2435 | 0.2444 | 0.2419 | 0.00218 | 0.90 |
| SFM0032 | HIGH (2:3) | not DS | 7 | 0.2398 | 0.2400 | 0.2401 | 0.2425 | 0.2540 | 0.2427 | 0.00518 | 2.1 |
| SFM0037 | LOW (2:1) | not DS | 6 | 0.2364 | 0.2392 | 0.2407 | 0.2410 | 0.2421 | 0.2399 | 0.00203 | 0.85 |
| SFM0049 | HIGH (Coast) | not DS | 2 | 0.2400 | | 0.2416 | | 0.2432 | 0.2416 | 0.00226 | 0.94 |
| SFM0051 | HIGH (2:1) | DS | 3 | 0.2440 | 0.2445 | 0.2450 | 0.2451 | 0.2452 | 0.2447 | 0.000643 | 0.26 |
| SFM0053 | HIGH (4:2) | not DS | 3 | 0.2437 | 0.2443 | 0.2448 | 0.2467 | 0.2485 | 0.2457 | 0.00251 | 1.0 |
| SFM0056 | LOW (Coast) | not DS | 3 | 0.2411 | 0.2414 | 0.2417 | 0.2442 | 0.2466 | 0.2431 | 0.00302 | 1.2 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.2388 | 0.2395 | 0.2408 | 0.2411 | 0.2424 | 0.2405 | 0.00141 | 0.59 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 0.2395 | | | 0.2395 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.2407 | 0.2427 | 0.2447 | 0.2450 | 0.2452 | 0.2435 | 0.00247 | 1.0 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 0.2405 | 0.2416 | 0.2426 | 0.2432 | 0.2437 | 0.2423 | 0.00163 | 0.67 |
| SFM0062 | LOW (2:3) | Lake | 2 | 0.2497 | | 0.2500 | | 0.2503 | 0.2500 | 0.000424 | 0.17 |
| SFM0063 | LOW (2:3) | Lake | 1 | | | 0.2446 | | | 0.2446 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 0.2469 | 0.2474 | 0.2481 | 0.2499 | 0.2548 | 0.2491 | 0.00248 | 1.00 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 141 | 0.1900 | 0.2388 | 0.2408 | 0.2437 | 0.2548 | 0.2404 | 0.00852 | 3.5 |
| Forsmark area | Soil tubes | 'Higher' | 93 | 0.1900 | 0.2396 | 0.2423 | 0.2447 | 0.2548 | 0.2408 | 0.0102 | 4.3 |
| Forsmark area | Soil tubes | 'Lower' | 48 | 0.2345 | 0.2378 | 0.2392 | 0.2409 | 0.2503 | 0.2398 | 0.00320 | 1.3 |
| Forsmark area | Soil tubes | In lake | 21 | 0.2345 | 0.2369 | 0.2379 | 0.2406 | 0.2503 | 0.2393 | 0.00434 | 1.8 |
| Forsmark area | Soil tubes | At sea | 7 | 0.2376 | 0.2384 | 0.2388 | 0.2390 | 0.2401 | 0.2387 | 0.000763 | 0.32 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 2 | 0.2379 | | 0.2399 | | 0.2418 | 0.2399 | 0.00276 | 1.1 |
| Forsmark area | Private wells | drilled | 5 | 0.2367 | 0.2376 | 0.2389 | 0.2394 | 0.2415 | 0.2388 | 0.00184 | 0.77 |
| Simpevarp area | Soil tubes | All | 31 | 0.2364 | 0.2411 | 0.2426 | 0.2451 | 0.2500 | 0.2429 | 0.00310 | 1.3 |
| Simpevarp area | Soil tubes | 'Higher' | 8 | 0.2395 | 0.2405 | 0.2429 | 0.2460 | 0.2500 | 0.2437 | 0.00402 | 1.7 |
| Simpevarp area | Soil tubes | 'Lower' | 23 | 0.2364 | 0.2418 | 0.2426 | 0.2447 | 0.2472 | 0.2427 | 0.00277 | 1.1 |

Ground Water

| Br | | | Bromide (mg/l) | | | | | | | | Br |
|-------------------------|---------------|-----------|----------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 0.47 | 0.90 | 1.00 | 1.3 | 1.8 | 1.1 | 0.4 | 39 |
| SFM0002 | HIGH (2:1) | DS | 11 | 0.096 | 0.15 | 0.21 | 0.34 | 0.42 | 0.24 | 0.1 | 49 |
| SFM0003 | HIGH (2:1) | DS | 10 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 36 |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.0030 | 0.053 | 0.071 | 0.084 | 0.25 | 0.088 | 0.08 | 94 |
| SFM0006 | HIGH (5:1) | DS | 5 | <0.2 | <0.2 | 0.21 | 0.34 | 0.45 | 0.25 | 0.1 | 57 |
| SFM0008 | HIGH (5:1) | DS | 7 | 0.064 | 0.11 | 0.27 | 0.37 | 0.82 | 0.30 | 0.3 | 87 |
| SFM0009 | HIGH (2:6) | DS | 7 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 40 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 0.011 | | | 0.011 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 7.0 | | | 7.0 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 8.3 | 8.5 | 9.5 | 11 | 12 | 9.7 | 1 | 15 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 8.8 | | | 8.8 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 0.048 | | | 0.048 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 1.1 | 1.2 | 1.4 | 1.7 | 2.3 | 1.5 | 0.4 | 29 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 0.082 | | | 0.082 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 0.071 | | | 0.071 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 0.054 | | | 0.054 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 0.097 | | | 0.097 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 0.057 | | | 0.057 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 0.036 | | | 0.036 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 3.2 | 4.1 | 4.7 | 5.4 | 6.4 | 4.8 | 1 | 28 |
| SFM0023 | LOW (2:3) | Lake | 8 | 13 | 13 | 15 | 16 | 20 | 15 | 2 | 15 |
| SFM0024 | LOW (Coast) | Sea | 3 | 5.5 | 5.7 | 5.9 | 6.8 | 7.7 | 6.3 | 1 | 18 |
| SFM0025 | LOW (Coast) | Sea | 8 | 4.1 | 7.4 | 7.9 | 9.7 | 12 | 8.4 | 2 | 30 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 0.30 | | | 0.30 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 0.18 | 0.20 | 0.25 | 0.39 | 0.61 | 0.32 | 0.2 | 51 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 0.070 | | | 0.070 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.04 | 39 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 0.27 | | | 0.27 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | <0.2 | <0.2 | <0.2 | <0.2 | 0.26 | <0.2 | 0.08 | 82 |
| SFM0032 | HIGH (2:3) | not DS | 9 | <0.2 | <0.2 | <0.2 | <0.2 | 0.41 | <0.2 | 0.10 | 64 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 1.4 | | | 1.4 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 0.56 | | | 0.56 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 0.25 | 0.27 | 0.34 | 0.45 | 0.53 | 0.36 | 0.1 | 32 |
| SFM0049 | HIGH (Coast) | not DS | 4 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 35 |
| SFM0051 | HIGH (2:1) | DS | 6 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.03 | 26 |
| SFM0053 | HIGH (4:2) | not DS | 6 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.02 | 23 |
| SFM0056 | LOW (Coast) | not DS | 6 | <0.2 | 1.6 | 1.7 | 1.8 | 1.9 | 1.5 | 0.7 | 47 |
| SFM0057 | LOW (2:8) | DS | 6 | <0.2 | 0.59 | 1.2 | 1.6 | 2.0 | 1.1 | 0.7 | 67 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 1.7 | | | 1.7 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.041 | 0.042 | 0.043 | 0.15 | 0.25 | 0.11 | 0.1 | 110 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 0.047 | 0.051 | 0.054 | 0.57 | 1.1 | 0.39 | 0.6 | 150 |
| SFM0062 | LOW (2:3) | Lake | 3 | 0.11 | 0.12 | 0.13 | 0.14 | 0.15 | 0.13 | 0.02 | 16 |
| SFM0063 | LOW (2:3) | Lake | 2 | 0.097 | | 0.47 | | 0.85 | 0.47 | 0.5 | 110 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 1.2 | | | 1.2 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 0.14 | 0.21 | 0.22 | 0.23 | 0.24 | 0.21 | 0.03 | 14 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 199 | <0.2 | <0.2 | 0.23 | 1.3 | 20 | 2.0 | 4 | 190 |
| Forsmark area | Soil tubes | 'Higher' | 119 | <0.2 | <0.2 | <0.2 | 0.23 | 1.8 | 0.24 | 0.3 | 140 |
| Forsmark area | Soil tubes | 'Lower' | 80 | <0.2 | 0.41 | 1.7 | 8.3 | 20 | 4.6 | 5 | 110 |
| Forsmark area | Soil tubes | In lake | 35 | <0.2 | 1.3 | 6.4 | 12 | 20 | 6.9 | 6 | 85 |
| Forsmark area | Soil tubes | At sea | 11 | 4.1 | 6.6 | 7.7 | 8.7 | 12 | 7.8 | 2 | 30 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 6 | <0.2 | <0.2 | 0.28 | 3.4 | 12 | 2.9 | 5 | 170 |
| Forsmark area | Private wells | drilled | 14 | <0.2 | 0.29 | 3.2 | 23 | 32 | 11 | 10 | 110 |
| Simpevarp area | Soil tubes | All | 55 | <0.2 | <0.2 | <0.2 | 0.32 | 1.5 | 0.29 | 0.4 | 120 |
| Simpevarp area | Soil tubes | 'Higher' | 14 | <0.2 | <0.2 | <0.2 | <0.2 | 0.91 | <0.2 | 0.2 | 140 |
| Simpevarp area | Soil tubes | 'Lower' | 41 | <0.2 | <0.2 | <0.2 | 0.58 | 1.5 | 0.33 | 0.4 | 110 |

Ground Water

| Cd | | | Cadmium (µg/l) | | | | | | | | Cd |
|-------------------------|--------------|----------|----------------|------------|-------------|------------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 8 | <0.002 | 0.0040 | 0.0059 | 0.0088 | 0.040 | 0.010 | 0.01 | 120 |
| SFM0002 | HIGH (2:1) | DS | 7 | <0.002 | 0.0040 | 0.0043 | 0.0050 | 0.0070 | 0.0043 | 0.002 | 41 |
| SFM0003 | HIGH (2:1) | DS | 7 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.002 | 38 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.017 | 0.019 | 0.020 | 0.021 | 0.024 | 0.020 | 0.003 | 14 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.018 | 0.019 | 0.019 | 0.023 | 0.027 | 0.021 | 0.005 | 23 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.0090 | 0.012 | 0.014 | 0.015 | 0.022 | 0.014 | 0.005 | 33 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.011 | 0.011 | 0.018 | 0.019 | 0.023 | 0.016 | 0.005 | 32 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.02 | | | <0.02 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.002 | | | <0.002 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.02 | | | <0.02 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.02 | | | <0.02 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.0070 | 0.011 | 0.012 | 0.014 | 0.025 | 0.014 | 0.007 | 49 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.0032 | 0.0060 | 0.0070 | 0.0086 | 0.010 | 0.0070 | 0.003 | 37 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.014 | 0.014 | 0.014 | 0.029 | 0.053 | 0.025 | 0.02 | 69 |
| SFM0032 | HIGH (2:3) | not DS | 5 | <0.002 | 0.0030 | 0.0044 | 0.0050 | 0.0060 | 0.0039 | 0.002 | 50 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.0030 | 0.0030 | 0.0050 | 0.0075 | 0.0090 | 0.0055 | 0.003 | 55 |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.002 | <0.002 | <0.002 | 0.0020 | 0.0030 | <0.002 | 0.001 | 69 |
| SFM0051 | HIGH (2:1) | DS | 4 | <0.004 | 0.0049 | 0.0064 | 0.0078 | 0.010 | 0.0062 | 0.003 | 53 |
| SFM0053 | HIGH (4:2) | not DS | 4 | <0.004 | <0.004 | <0.004 | 0.0043 | 0.0050 | <0.004 | 0.002 | 61 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.004 | <0.004 | <0.004 | 0.0053 | 0.0090 | 0.0040 | 0.004 | 89 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.033 | 0.035 | 0.045 | 0.050 | 0.067 | 0.046 | 0.01 | 30 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.028 | 0.030 | 0.031 | 0.039 | 0.046 | 0.035 | 0.010 | 28 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 90 | <0.02 | <0.02 | <0.02 | <0.02 | 0.067 | <0.02 | 0.01 | 100 |
| Forsmark area | Soil tubes | 'Higher' | 68 | <0.02 | <0.02 | <0.02 | <0.02 | 0.053 | <0.02 | 0.01 | 97 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.02 | <0.02 | <0.02 | 0.022 | 0.067 | <0.02 | 0.02 | 110 |
| Forsmark area | Soil tubes | In lake | 3 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.02 | | | <0.02 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <20 | <20 | <20 | <20 | <20 | <20 | 2 | 380 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <20 | <20 | <20 | <20 | <20 | <20 | 6 | 170 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <20 | <20 | <20 | <20 | <20 | <20 | 0.1 | 150 |

Ground Water

| Ca | | | Calcium (mg/l) | | | | | | | | Ca |
|-------------------------|---------------|-----------|----------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 64 | 82 | 88 | 92 | 100 | 87 | 10 | 12 |
| SFM0002 | HIGH (2:1) | DS | 10 | 100 | 110 | 110 | 130 | 130 | 120 | 10 | 9.0 |
| SFM0003 | HIGH (2:1) | DS | 9 | 87 | 92 | 93 | 93 | 97 | 93 | 3 | 3.0 |
| SFM0005 | HIGH (Coast) | DS | 6 | 86 | 110 | 110 | 120 | 130 | 110 | 10 | 14 |
| SFM0006 | HIGH (5:1) | DS | 5 | 120 | 140 | 140 | 150 | 170 | 140 | 20 | 11 |
| SFM0008 | HIGH (5:1) | DS | 7 | 140 | 150 | 150 | 180 | 210 | 170 | 30 | 17 |
| SFM0009 | HIGH (2:6) | DS | 7 | 81 | 86 | 89 | 98 | 120 | 94 | 10 | 13 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 66 | | | 66 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 150 | | | 150 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 270 | 270 | 280 | 300 | 680 | 330 | 100 | 40 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 250 | | | 250 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 85 | | | 85 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 33 | 35 | 36 | 40 | 63 | 40 | 10 | 25 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 90 | | | 90 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 44 | | | 44 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 29 | | | 29 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 98 | | | 98 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 120 | | | 120 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 120 | | | 120 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 120 | 140 | 220 | 300 | 360 | 230 | 100 | 50 |
| SFM0023 | LOW (2:3) | Lake | 8 | 500 | 520 | 530 | 540 | 560 | 530 | 20 | 3.9 |
| SFM0024 | LOW (Coast) | Sea | 3 | 140 | 140 | 140 | 140 | 140 | 140 | 3 | 1.8 |
| SFM0025 | LOW (Coast) | Sea | 8 | 200 | 420 | 430 | 440 | 450 | 400 | 80 | 21 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 99 | | | 99 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 35 | 36 | 39 | 44 | 48 | 40 | 5 | 13 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 110 | | | 110 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 110 | 120 | 120 | 130 | 130 | 120 | 7 | 5.8 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 67 | | | 67 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 130 | 140 | 140 | 150 | 160 | 140 | 10 | 6.8 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 94 | 99 | 100 | 100 | 110 | 100 | 4 | 4.0 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 100 | | | 100 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 110 | | | 110 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 100 | 110 | 120 | 130 | 160 | 120 | 20 | 15 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 58 | 60 | 62 | 64 | 65 | 62 | 3 | 5.3 |
| SFM0051 | HIGH (2:1) | DS | 6 | 110 | 110 | 120 | 120 | 130 | 120 | 6 | 5.4 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 110 | 120 | 130 | 130 | 140 | 120 | 9 | 7.0 |
| SFM0056 | LOW (Coast) | not DS | 6 | 54 | 55 | 57 | 57 | 110 | 66 | 20 | 36 |
| SFM0057 | LOW (2:8) | DS | 6 | 88 | 120 | 170 | 180 | 190 | 150 | 40 | 28 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 210 | | | 210 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 110 | 120 | 120 | 120 | 120 | 120 | 5 | 4.2 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 100 | 100 | 100 | 110 | 120 | 110 | 9 | 8.2 |
| SFM0062 | LOW (2:3) | Lake | 3 | 86 | 87 | 88 | 95 | 100 | 92 | 8 | 9.0 |
| SFM0063 | LOW (2:3) | Lake | 2 | 66 | | 75 | | 84 | 75 | 10 | 16 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 83 | | | 83 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 100 | 100 | 110 | 110 | 110 | 110 | 2 | 1.5 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 197 | 29 | 91 | 110 | 140 | 680 | 150 | 100 | 81 |
| Forsmark area | Soil tubes | 'Higher' | 117 | 58 | 94 | 110 | 130 | 210 | 110 | 30 | 24 |
| Forsmark area | Soil tubes | 'Lower' | 80 | 29 | 57 | 120 | 280 | 680 | 200 | 200 | 87 |
| Forsmark area | Soil tubes | In lake | 35 | 33 | 75 | 270 | 430 | 680 | 260 | 200 | 79 |
| Forsmark area | Soil tubes | At sea | 11 | 140 | 170 | 420 | 440 | 450 | 330 | 100 | 43 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 20 | 46 | 99 | 130 | 180 | 220 | 140 | 50 | 36 |
| Forsmark area | Private wells | drilled | 30 | 11 | 110 | 160 | 680 | 1200 | 360 | 400 | 99 |
| Simpevarp area | Private wells | excavated | 101 | 1.8 | 7.3 | 24 | 35 | 160 | 26 | 20 | 90 |
| Simpevarp area | Private wells | drilled | 252 | 1.0 | 20 | 29 | 39 | 430 | 37 | 40 | 110 |
| Simpevarp area | Soil tubes | All | 41 | 6.1 | 23 | 34 | 47 | 100 | 38 | 20 | 55 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 9.1 | 18 | 32 | 34 | 91 | 32 | 20 | 68 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 6.1 | 24 | 36 | 53 | 100 | 40 | 20 | 51 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 9.1 | 17 | 30 | 50 | 140 | 42 | 30 | 81 |
| Uppsala County | SGU well | excavated | 47 | 16 | 49 | 71 | 91 | 140 | 70 | 30 | 42 |
| Uppsala County | SGU well | drilled | 73 | 9.6 | 40 | 65 | 93 | 200 | 69 | 40 | 56 |
| Kalmar County | SGU well | excavated | 81 | 5.5 | 12 | 18 | 25 | 91 | 21 | 10 | 67 |
| Kalmar County | SGU well | drilled | 108 | 1.5 | 26 | 38 | 55 | 280 | 47 | 40 | 86 |
| Sweden | SGU well | excavated | 900 | 1.1 | 12 | 23 | 46 | 210 | 35 | 30 | 95 |
| Sweden | SGU well | drilled | 2056 | 0.15 | 22 | 38 | 62 | 550 | 49 | 40 | 85 |

Ground Water

| HCO3 | | | Bicarbonate (mg/l) | | | | | | | | HCO3 | |
|-------------------------|---------------|-----------|--------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 10 | 270 | 420 | 430 | 490 | 580 | 440 | 90 | 21 | |
| SFM0002 | HIGH (2:1) | DS | 11 | 320 | 330 | 340 | 350 | 390 | 350 | 20 | 5.7 | |
| SFM0003 | HIGH (2:1) | DS | 10 | 410 | 420 | 420 | 430 | 450 | 420 | 10 | 3.0 | |
| SFM0005 | HIGH (Coast) | DS | 6 | 260 | 330 | 360 | 370 | 410 | 350 | 50 | 15 | |
| SFM0006 | HIGH (5:1) | DS | 5 | 350 | 370 | 410 | 440 | 440 | 400 | 40 | 9.8 | |
| SFM0008 | HIGH (5:1) | DS | 7 | 340 | 360 | 380 | 420 | 440 | 390 | 40 | 10 | |
| SFM0009 | HIGH (2:6) | DS | 7 | 250 | 270 | 280 | 300 | 330 | 290 | 30 | 9.9 | |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 240 | | | 240 | | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 330 | | | 330 | | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 300 | 340 | 340 | 350 | 360 | 340 | 20 | 6.9 | |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 240 | | | 240 | | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 320 | | | 320 | | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 690 | 720 | 740 | 740 | 770 | 730 | 20 | 3.4 | |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 340 | | | 340 | | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 540 | | | 540 | | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 430 | | | 430 | | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 350 | | | 350 | | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 370 | | | 370 | | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 380 | | | 380 | | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 320 | 350 | 370 | 380 | 390 | 360 | 30 | 7.9 | |
| SFM0023 | LOW (2:3) | Lake | 8 | 72 | 110 | 130 | 160 | 170 | 130 | 30 | 26 | |
| SFM0024 | LOW (Coast) | Sea | 3 | 350 | 350 | 350 | 350 | 350 | 350 | 2 | 0.60 | |
| SFM0025 | LOW (Coast) | Sea | 8 | 200 | 240 | 240 | 240 | 250 | 240 | 20 | 6.9 | |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 380 | | | 380 | | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 400 | 410 | 410 | 420 | 660 | 440 | 90 | 20 | |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 380 | | | 380 | | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 390 | 390 | 400 | 420 | 430 | 410 | 20 | 4.5 | |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 410 | | | 410 | | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 420 | 430 | 440 | 450 | 470 | 440 | 20 | 4.0 | |
| SFM0032 | HIGH (2:3) | not DS | 9 | 330 | 340 | 350 | 360 | 360 | 350 | 10 | 3.2 | |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 460 | | | 460 | | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 520 | | | 520 | | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 370 | 390 | 430 | 500 | 660 | 460 | 100 | 23 | |
| SFM0049 | HIGH (Coast) | not DS | 4 | 180 | 190 | 200 | 210 | 240 | 200 | 20 | 11 | |
| SFM0051 | HIGH (2:1) | DS | 6 | 320 | 330 | 330 | 340 | 360 | 340 | 10 | 4.1 | |
| SFM0053 | HIGH (4:2) | not DS | 6 | 340 | 380 | 390 | 400 | 400 | 380 | 20 | 6.3 | |
| SFM0056 | LOW (Coast) | not DS | 6 | 390 | 450 | 460 | 460 | 470 | 450 | 30 | 6.8 | |
| SFM0057 | LOW (2:8) | DS | 6 | 230 | 250 | 260 | 310 | 340 | 270 | 40 | 16 | |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 330 | | | 330 | | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 320 | 330 | 340 | 340 | 340 | 330 | 10 | 3.1 | |
| SFM0061 | HIGH (7:2) | not DS | 3 | 280 | 290 | 290 | 300 | 310 | 300 | 20 | 5.5 | |
| SFM0062 | LOW (2:3) | Lake | 3 | 280 | 280 | 280 | 300 | 310 | 290 | 20 | 7.1 | |
| SFM0063 | LOW (2:3) | Lake | 2 | 180 | | 200 | | 220 | 200 | 30 | 13 | |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 310 | | | 310 | | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 340 | 350 | 350 | 350 | 390 | 350 | 20 | 4.3 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 199 | 72 | 320 | 360 | 420 | 770 | 370 | 100 | 31 | |
| Forsmark area | Soil tubes | 'Higher' | 119 | 180 | 340 | 360 | 410 | 580 | 370 | 60 | 18 | |
| Forsmark area | Soil tubes | 'Lower' | 80 | 72 | 250 | 350 | 430 | 770 | 370 | 200 | 44 | |
| Forsmark area | Soil tubes | In lake | 35 | 72 | 200 | 340 | 380 | 770 | 370 | 200 | 59 | |
| Forsmark area | Soil tubes | At sea | 11 | 200 | 240 | 240 | 300 | 350 | 270 | 50 | 21 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Private wells | excavated | 18 | 120 | 280 | 330 | 400 | 540 | 340 | 100 | 31 | |
| Forsmark area | Private wells | drilled | 26 | 52 | 170 | 300 | 410 | 660 | 310 | 200 | 61 | |
| Simpevarp area | Private wells | excavated | 133 | 0.50 | 11 | 54 | 93 | 270 | 66 | 70 | 100 | |
| Simpevarp area | Private wells | drilled | 285 | 10 | 110 | 180 | 230 | 400 | 170 | 90 | 50 | |
| Simpevarp area | Soil tubes | All | 63 | 2.0 | 52 | 93 | 190 | 550 | 130 | 100 | 79 | |
| Simpevarp area | Soil tubes | 'Higher' | 16 | 3.0 | 35 | 58 | 94 | 370 | 83 | 90 | 110 | |
| Simpevarp area | Soil tubes | 'Lower' | 47 | 2.0 | 67 | 120 | 200 | 550 | 140 | 100 | 71 | |
| Laxemar pre-PLU | Soil tubes | All | 21 | 8.0 | 100 | 180 | 330 | 620 | 230 | 200 | 74 | |
| Uppsala County | SGU well | excavated | 66 | 32 | 160 | 240 | 290 | 500 | 230 | 100 | 43 | |
| Uppsala County | SGU well | drilled | 672 | 24 | 210 | 260 | 320 | 620 | 270 | 80 | 31 | |
| Kalmar County | SGU well | excavated | 367 | 1.0 | 18 | 29 | 54 | 400 | 50 | 60 | 120 | |
| Kalmar County | SGU well | drilled | 375 | 0.50 | 75 | 130 | 180 | 560 | 130 | 80 | 62 | |
| Sweden | SGU well | excavated | 8897 | | 18 | 36 | 81 | 850 | 68 | 80 | 120 | |
| Sweden | SGU well | drilled | 13579 | | 89 | 150 | 220 | 1100 | 160 | 100 | 63 | |

| C-13 | | | Carbon-13 (dev. PDB) | | | | | | | | C-13 |
|-------------------------|--------------|----------|----------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 7 | -15.6 | -14.7 | -14.4 | -13.8 | -12.6 | -14.2 | 0.94 | -6.6 |
| SFM0002 | HIGH (2:1) | DS | 6 | -15.8 | -15.3 | -15.0 | -14.6 | -13.2 | -14.8 | 0.89 | -6.0 |
| SFM0003 | HIGH (2:1) | DS | 6 | -14.2 | -13.8 | -13.1 | -11.7 | -9.95 | -12.6 | 1.7 | -13 |
| SFM0005 | HIGH (Coast) | DS | 3 | -15.4 | -15.0 | -14.5 | -13.6 | -12.7 | -14.2 | 1.4 | -9.8 |
| SFM0006 | HIGH (5:1) | DS | 3 | -15.5 | -15.3 | -15.2 | -14.9 | -14.6 | -15.1 | 0.43 | -2.8 |
| SFM0008 | HIGH (5:1) | DS | 3 | -14.9 | -14.8 | -14.6 | -13.6 | -12.5 | -14.0 | 1.3 | -9.3 |
| SFM0009 | HIGH (2:6) | DS | 2 | -14.0 | | -13.3 | | -12.6 | -13.3 | 0.93 | -7.0 |
| SFM0012 | LOW (2:8) | Lake | 4 | -6.81 | -6.60 | -6.53 | -6.09 | -4.80 | -6.17 | 0.92 | -15 |
| SFM0015 | LOW (2:10) | Lake | 5 | 6.77 | 6.83 | 7.64 | 8.10 | 8.25 | 7.52 | 0.69 | 9.2 |
| SFM0022 | LOW (8:1) | Lake | 1 | | | -8.40 | | | -8.40 | | |
| SFM0023 | LOW (2:3) | Lake | 3 | -7.60 | -7.04 | -6.48 | -3.62 | -0.760 | -4.95 | 3.7 | -74 |
| SFM0024 | LOW (Coast) | Sea | 2 | -12.4 | | -12.4 | | -12.4 | -12.4 | 0.021 | -0.17 |
| SFM0025 | LOW (Coast) | Sea | 3 | -11.3 | -11.2 | -11.2 | -9.98 | -8.74 | -10.4 | 1.4 | -14 |
| SFM0027 | LOW (8:1) | not DS | 3 | -14.2 | -14.1 | -14.1 | -13.7 | -13.3 | -13.9 | 0.45 | -3.3 |
| SFM0029 | HIGH (4:2) | not DS | 2 | -14.1 | | -13.1 | | -12.1 | -13.1 | 1.4 | -11 |
| SFM0031 | HIGH (2:3) | not DS | 3 | -16.5 | -15.9 | -15.2 | -14.2 | -13.2 | -15.0 | 1.7 | -11 |
| SFM0032 | HIGH (2:3) | not DS | 4 | -14.6 | -14.6 | -13.7 | -9.70 | -0.540 | -10.6 | 6.8 | -64 |
| SFM0037 | LOW (2:1) | not DS | 3 | -16.3 | -15.9 | -15.5 | -14.6 | -13.8 | -15.2 | 1.3 | -8.4 |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | -10.2 | | | -10.2 | | |
| SFM0051 | HIGH (2:1) | DS | 5 | -14.8 | -14.1 | -13.6 | -13.5 | -12.9 | -13.8 | 0.73 | -5.3 |
| SFM0053 | HIGH (4:2) | not DS | 5 | -13.3 | -13.0 | -12.5 | -11.9 | -4.98 | -11.1 | 3.5 | -31 |
| SFM0057 | LOW (2:8) | DS | 3 | -15.2 | -14.1 | -13.0 | -12.8 | -12.7 | -13.6 | 1.4 | -9.9 |
| SFM0060 | HIGH (Coast) | not DS | 2 | -13.1 | | -12.1 | | -11.0 | -12.1 | 1.5 | -12 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 79 | -16.5 | -14.6 | -13.2 | -11.2 | 8.25 | -11.2 | 5.9 | -52 |
| Forsmark area | Soil tubes | 'Higher' | 52 | -16.5 | -14.7 | -13.9 | -12.7 | -0.540 | -13.3 | 2.6 | -19 |
| Forsmark area | Soil tubes | 'Lower' | 27 | -16.3 | -13.2 | -8.74 | -5.64 | 8.25 | -7.19 | 8.0 | -110 |
| Forsmark area | Soil tubes | In lake | 13 | -8.40 | -6.53 | -4.80 | 6.83 | 8.25 | -0.793 | 7.1 | -890 |
| Forsmark area | Soil tubes | At sea | 5 | -12.4 | -12.4 | -11.3 | -11.2 | -8.74 | -11.2 | 1.5 | -13 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 30 | -21.5 | -18.1 | -16.9 | -13.0 | -6.32 | -15.6 | 3.5 | -22 |
| Simpevarp area | Soil tubes | 'Higher' | 6 | -20.5 | -19.0 | -17.4 | -15.4 | -12.7 | -17.0 | 2.9 | -17 |
| Simpevarp area | Soil tubes | 'Lower' | 24 | -21.5 | -17.7 | -16.9 | -12.4 | -6.32 | -15.3 | 3.6 | -24 |

Ground Water

| C-14 | | | Carbon-14 (PMC) | | | | | | | | C-14 | |
|-------------------------|--------------|----------|-----------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 6 | 88.4 | 89.5 | 90.6 | 91.4 | 98.8 | 91.5 | 3.7 | 4.1 | |
| SFM0002 | HIGH (2:1) | DS | 5 | 85.3 | 85.3 | 86.7 | 87.0 | 88.0 | 86.5 | 1.2 | 1.3 | |
| SFM0003 | HIGH (2:1) | DS | 5 | 69.1 | 88.0 | 90.7 | 90.9 | 91.1 | 86.0 | 9.5 | 11 | |
| SFM0005 | HIGH (Coast) | DS | 2 | 94.6 | | 95.0 | | 95.4 | 95.0 | 0.58 | 0.61 | |
| SFM0006 | HIGH (5:1) | DS | 2 | 103 | | 104 | | 105 | 104 | 1.7 | 1.7 | |
| SFM0008 | HIGH (5:1) | DS | 2 | 96.3 | | 97.9 | | 99.6 | 97.9 | 2.3 | 2.3 | |
| SFM0009 | HIGH (2:6) | DS | 2 | 91.0 | | 93.1 | | 95.3 | 93.1 | 3.1 | 3.3 | |
| SFM0012 | LOW (2:8) | Lake | 4 | 47.9 | 48.4 | 49.8 | 55.3 | 67.8 | 53.9 | 9.4 | 17 | |
| SFM0015 | LOW (2:10) | Lake | 4 | 82.0 | 82.6 | 83.3 | 83.9 | 84.4 | 83.3 | 1.1 | 1.3 | |
| SFM0022 | LOW (8:1) | Lake | 1 | | | 66.8 | | | 66.8 | | | |
| SFM0023 | LOW (2:3) | Lake | 2 | 42.1 | | 44.4 | | 46.6 | 44.4 | 3.2 | 7.3 | |
| SFM0024 | LOW (Coast) | Sea | 2 | 87.9 | | 88.9 | | 89.8 | 88.9 | 1.3 | 1.5 | |
| SFM0025 | LOW (Coast) | Sea | 2 | 47.6 | | 47.7 | | 47.7 | 47.7 | 0.064 | 0.13 | |
| SFM0027 | LOW (8:1) | not DS | 2 | 78.3 | | 79.8 | | 81.3 | 79.8 | 2.1 | 2.6 | |
| SFM0029 | HIGH (4:2) | not DS | 1 | | | 93.4 | | | 93.4 | | | |
| SFM0031 | HIGH (2:3) | not DS | 2 | 94.5 | | 95.5 | | 96.5 | 95.5 | 1.4 | 1.5 | |
| SFM0032 | HIGH (2:3) | not DS | 3 | 90.6 | 92.6 | 94.7 | 99.9 | 105 | 96.8 | 7.5 | 7.7 | |
| SFM0037 | LOW (2:1) | not DS | 2 | 101 | | 103 | | 105 | 103 | 3.1 | 3.0 | |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | 114 | | | 114 | | | |
| SFM0051 | HIGH (2:1) | DS | 3 | 86.3 | 86.9 | 87.5 | 87.8 | 88.2 | 87.3 | 0.93 | 1.1 | |
| SFM0053 | HIGH (4:2) | not DS | 3 | 89.9 | 91.9 | 93.9 | 96.0 | 98.1 | 94.0 | 4.1 | 4.4 | |
| SFM0057 | LOW (2:8) | DS | 2 | 92.1 | | 94.4 | | 96.7 | 94.4 | 3.2 | 3.4 | |
| SFM0060 | HIGH (Coast) | not DS | 1 | | | 88.9 | | | 88.9 | | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 59 | 42.1 | 84.1 | 89.8 | 94.6 | 114 | 85.5 | 16 | 19 | |
| Forsmark area | Soil tubes | 'Higher' | 38 | 69.1 | 88.2 | 91.0 | 95.4 | 114 | 92.4 | 7.3 | 7.9 | |
| Forsmark area | Soil tubes | 'Lower' | 21 | 42.1 | 48.6 | 81.3 | 87.9 | 105 | 72.9 | 21 | 28 | |
| Forsmark area | Soil tubes | In lake | 11 | 42.1 | 48.2 | 66.8 | 82.4 | 84.4 | 64.0 | 17 | 27 | |
| Forsmark area | Soil tubes | At sea | 4 | 47.6 | 47.7 | 67.8 | 88.4 | 89.8 | 68.3 | 24 | 35 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 7 | 45.4 | 68.0 | 82.2 | 98.6 | 103 | 80.6 | 23 | 28 | |
| Simpevarp area | Soil tubes | 'Higher' | 1 | | | 103 | | | 103 | | | |
| Simpevarp area | Soil tubes | 'Lower' | 6 | 45.4 | 61.5 | 81.7 | 93.7 | 99.6 | 76.8 | 22 | 29 | |

| DIC | | | Dissolved inorganic carbon (mg/l) | | | | | | | | DIC | |
|-------------------------|---------------|-----------|-----------------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 10 | 45 | 64 | 79 | 93 | 110 | 78 | 20 | 25 | |
| SFM0002 | HIGH (2:1) | DS | 10 | 44 | 52 | 56 | 62 | 69 | 56 | 8 | 14 | |
| SFM0003 | HIGH (2:1) | DS | 10 | 57 | 68 | 72 | 78 | 83 | 72 | 7 | 10 | |
| SFM0005 | HIGH (Coast) | DS | 5 | 56 | 57 | 59 | 66 | 70 | 62 | 6 | 9.9 | |
| SFM0006 | HIGH (5:1) | DS | 5 | 57 | 57 | 64 | 69 | 74 | 64 | 7 | 11 | |
| SFM0008 | HIGH (5:1) | DS | 8 | 39 | 56 | 58 | 68 | 73 | 60 | 10 | 18 | |
| SFM0009 | HIGH (2:6) | DS | 6 | 31 | 43 | 52 | 54 | 65 | 49 | 10 | 24 | |
| SFM0012 | LOW (2:8) | Lake | 7 | 35 | 41 | 42 | 51 | 63 | 46 | 10 | 21 | |
| SFM0015 | LOW (2:10) | Lake | 6 | 120 | 130 | 140 | 140 | 140 | 140 | 8 | 5.9 | |
| SFM0022 | LOW (8:1) | Lake | 3 | 46 | 53 | 60 | 61 | 62 | 56 | 9 | 16 | |
| SFM0023 | LOW (2:3) | Lake | 6 | 8.1 | 10 | 15 | 18 | 20 | 14 | 5 | 34 | |
| SFM0024 | LOW (Coast) | Sea | 2 | 37 | | 46 | | 55 | 46 | 10 | 27 | |
| SFM0025 | LOW (Coast) | Sea | 6 | 14 | 26 | 30 | 32 | 38 | 28 | 8 | 29 | |
| SFM0027 | LOW (8:1) | not DS | 6 | 66 | 66 | 68 | 70 | 79 | 69 | 5 | 7.5 | |
| SFM0029 | HIGH (4:2) | not DS | 5 | 51 | 61 | 73 | 76 | 84 | 69 | 10 | 19 | |
| SFM0031 | HIGH (2:3) | not DS | 6 | 59 | 65 | 76 | 81 | 83 | 73 | 10 | 14 | |
| SFM0032 | HIGH (2:3) | not DS | 6 | 51 | 60 | 64 | 66 | 72 | 63 | 7 | 12 | |
| SFM0037 | LOW (2:1) | not DS | 6 | 71 | 72 | 75 | 95 | 110 | 83 | 20 | 19 | |
| SFM0049 | HIGH (Coast) | not DS | 3 | 38 | 38 | 39 | 42 | 46 | 41 | 4 | 11 | |
| SFM0057 | LOW (2:8) | DS | 5 | 32 | 43 | 43 | 54 | 60 | 46 | 10 | 23 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 52 | 56 | 60 | 62 | 64 | 59 | 6 | 11 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 124 | 8.1 | 49 | 62 | 72 | 140 | 62 | 30 | 41 | |
| Forsmark area | Soil tubes | 'Higher' | 77 | 31 | 56 | 63 | 72 | 110 | 64 | 10 | 22 | |
| Forsmark area | Soil tubes | 'Lower' | 47 | 8.1 | 34 | 55 | 71 | 140 | 60 | 40 | 62 | |
| Forsmark area | Soil tubes | In lake | 22 | 8.1 | 24 | 45 | 110 | 140 | 63 | 50 | 77 | |
| Forsmark area | Soil tubes | At sea | 8 | 14 | 28 | 32 | 37 | 55 | 33 | 10 | 36 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Private wells | excavated | 4 | 26 | 63 | 76 | 81 | 92 | 67 | 30 | 43 | |
| Forsmark area | Private wells | drilled | 9 | 7.3 | 19 | 41 | 91 | 120 | 54 | 40 | 81 | |

Ground Water

| DOC | | | Dissolved organic carbon (mg/l) | | | | | | | | DOC |
|-------------------------|---------------|-----------|---------------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 11 | 17 | 21 | 24 | 27 | 37 | 24 | 6 | 23 |
| SFM0002 | HIGH (2:1) | DS | 11 | 12 | 14 | 15 | 15 | 17 | 15 | 1 | 9.3 |
| SFM0003 | HIGH (2:1) | DS | 11 | 10 | 11 | 11 | 11 | 14 | 11 | 1 | 9.4 |
| SFM0005 | HIGH (Coast) | DS | 5 | 8.6 | 9.7 | 11 | 13 | 13 | 11 | 2 | 17 |
| SFM0006 | HIGH (5:1) | DS | 5 | 13 | 13 | 14 | 14 | 16 | 14 | 1 | 11 |
| SFM0008 | HIGH (5:1) | DS | 8 | 4.3 | 5.9 | 6.5 | 7.0 | 8.5 | 6.4 | 1 | 22 |
| SFM0009 | HIGH (2:6) | DS | 6 | 13 | 14 | 15 | 17 | 18 | 15 | 2 | 11 |
| SFM0012 | LOW (2:8) | Lake | 7 | 3.1 | 3.2 | 3.4 | 3.7 | 3.7 | 3.4 | 0.3 | 7.6 |
| SFM0015 | LOW (2:10) | Lake | 6 | 7.9 | 8.3 | 8.7 | 8.8 | 9.3 | 8.6 | 0.5 | 5.7 |
| SFM0022 | LOW (8:1) | Lake | 3 | 4.6 | 5.0 | 5.4 | 5.5 | 5.6 | 5.2 | 0.5 | 10 |
| SFM0023 | LOW (2:3) | Lake | 6 | 2.5 | 2.7 | 3.0 | 5.2 | 6.7 | 4.0 | 2 | 46 |
| SFM0024 | LOW (Coast) | Sea | 2 | 8.9 | | 9.0 | | 9.1 | 9.0 | 0.1 | 1.6 |
| SFM0025 | LOW (Coast) | Sea | 6 | 2.1 | 2.2 | 2.4 | 2.4 | 2.5 | 2.3 | 0.1 | 6.4 |
| SFM0027 | LOW (8:1) | not DS | 6 | 5.4 | 5.5 | 5.7 | 6.3 | 7.7 | 6.1 | 0.9 | 15 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 6.8 | 7.8 | 7.8 | 8.0 | 8.8 | 7.8 | 0.7 | 9.1 |
| SFM0031 | HIGH (2:3) | not DS | 6 | 7.4 | 7.6 | 7.8 | 9.3 | 11 | 8.5 | 1 | 17 |
| SFM0032 | HIGH (2:3) | not DS | 6 | 16 | 16 | 17 | 19 | 20 | 18 | 2 | 11 |
| SFM0037 | LOW (2:1) | not DS | 6 | 16 | 20 | 21 | 25 | 27 | 22 | 4 | 18 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 18 | 18 | 18 | 18 | 19 | 18 | 0.9 | 4.7 |
| SFM0057 | LOW (2:8) | DS | 5 | 10 | 11 | 13 | 19 | 20 | 15 | 5 | 31 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 4.7 | 5.5 | 6.2 | 6.5 | 6.7 | 5.9 | 1 | 18 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 127 | 2.1 | 6.6 | 11 | 16 | 37 | 12 | 7 | 58 |
| Forsmark area | Soil tubes | 'Higher' | 80 | 4.3 | 8.8 | 13 | 17 | 37 | 14 | 6 | 45 |
| Forsmark area | Soil tubes | 'Lower' | 47 | 2.1 | 3.3 | 5.7 | 9.2 | 27 | 8.2 | 7 | 81 |
| Forsmark area | Soil tubes | In lake | 22 | 2.5 | 3.3 | 4.2 | 7.6 | 9.3 | 5.2 | 2 | 46 |
| Forsmark area | Soil tubes | At sea | 8 | 2.1 | 2.3 | 2.4 | 4.1 | 9.1 | 4.0 | 3 | 78 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 4 | 5.5 | 5.6 | 8.3 | 11 | 12 | 8.4 | 3 | 40 |
| Forsmark area | Private wells | drilled | 9 | 1.2 | 3.3 | 6.4 | 7.7 | 16 | 6.8 | 5 | 71 |

| POC | | | Particulate organic carbon (mg/l) | | | | | | | | POC |
|-------------------------|--------------|----------|-----------------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 3 | 0.15 | 0.35 | 0.55 | 0.76 | 0.97 | 0.56 | 0.4 | 73 |
| SFM0002 | HIGH (2:1) | DS | 3 | 0.39 | 0.47 | 0.54 | 0.71 | 0.88 | 0.60 | 0.3 | 42 |
| SFM0003 | HIGH (2:1) | DS | 2 | 0.50 | | 0.70 | | 0.90 | 0.70 | 0.3 | 40 |
| SFM0005 | HIGH (Coast) | DS | 1 | | | 0.65 | | | 0.65 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | 0.16 | | | 0.16 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 10 | 0.15 | 0.42 | 0.55 | 0.82 | 0.97 | 0.57 | 0.3 | 51 |
| Forsmark area | Soil tubes | 'Higher' | 10 | 0.15 | 0.42 | 0.55 | 0.82 | 0.97 | 0.57 | 0.3 | 51 |

Ground Water

| TOC | | | Total organic carbon (mg/l) | | | | | | | | TOC |
|-------------------------|---------------|-----------|------------------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 11 | 21 | 22 | 25 | 28 | 36 | 25 | 5 | 19 |
| SFM0002 | HIGH (2:1) | DS | 11 | 12 | 14 | 15 | 15 | 16 | 15 | 1 | 7.2 |
| SFM0003 | HIGH (2:1) | DS | 11 | 6.5 | 10 | 11 | 11 | 11 | 10 | 1 | 13 |
| SFM0005 | HIGH (Coast) | DS | 6 | 8.6 | 9.4 | 11 | 12 | 13 | 11 | 2 | 17 |
| SFM0006 | HIGH (5:1) | DS | 5 | 13 | 13 | 14 | 14 | 16 | 14 | 1 | 8.3 |
| SFM0008 | HIGH (5:1) | DS | 8 | 4.4 | 5.6 | 6.3 | 7.0 | 8.4 | 6.3 | 1 | 21 |
| SFM0009 | HIGH (2:6) | DS | 6 | 14 | 14 | 16 | 17 | 18 | 16 | 2 | 10 |
| SFM0012 | LOW (2:8) | Lake | 7 | 3.0 | 3.2 | 3.3 | 3.4 | 3.8 | 3.3 | 0.3 | 7.7 |
| SFM0015 | LOW (2:10) | Lake | 6 | 8.0 | 8.3 | 8.6 | 8.8 | 9.4 | 8.6 | 0.5 | 5.8 |
| SFM0022 | LOW (8:1) | Lake | 3 | 4.4 | 4.7 | 4.9 | 4.9 | 4.9 | 4.7 | 0.3 | 6.1 |
| SFM0023 | LOW (2:3) | Lake | 6 | 2.6 | 2.7 | 2.9 | 4.3 | 5.8 | 3.6 | 1 | 38 |
| SFM0024 | LOW (Coast) | Sea | 2 | 6.6 | | 7.8 | | 8.9 | 7.8 | 2 | 21 |
| SFM0025 | LOW (Coast) | Sea | 6 | 1.6 | 2.0 | 2.1 | 2.2 | 2.4 | 2.1 | 0.3 | 13 |
| SFM0027 | LOW (8:1) | not DS | 6 | 5.3 | 5.4 | 5.6 | 5.8 | 6.2 | 5.6 | 0.3 | 5.8 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 6.8 | 7.4 | 7.8 | 7.8 | 7.9 | 7.5 | 0.5 | 6.0 |
| SFM0031 | HIGH (2:3) | not DS | 6 | 7.4 | 7.6 | 7.7 | 7.9 | 8.1 | 7.7 | 0.3 | 3.5 |
| SFM0032 | HIGH (2:3) | not DS | 6 | 15 | 16 | 17 | 19 | 21 | 18 | 2 | 11 |
| SFM0037 | LOW (2:1) | not DS | 6 | 16 | 20 | 21 | 25 | 26 | 22 | 4 | 17 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 18 | 18 | 18 | 19 | 19 | 18 | 0.7 | 3.6 |
| SFM0057 | LOW (2:8) | DS | 5 | 10 | 11 | 13 | 19 | 20 | 15 | 5 | 31 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 4.7 | 5.4 | 6.1 | 6.2 | 6.2 | 5.7 | 0.8 | 15 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 128 | 1.6 | 6.1 | 10 | 16 | 36 | 11 | 7 | 61 |
| Forsmark area | Soil tubes | 'Higher' | 81 | 4.4 | 8.0 | 13 | 16 | 36 | 13 | 6 | 47 |
| Forsmark area | Soil tubes | 'Lower' | 47 | 1.6 | 3.2 | 5.5 | 9.2 | 26 | 8.0 | 7 | 84 |
| Forsmark area | Soil tubes | In lake | 22 | 2.6 | 3.2 | 4.1 | 7.5 | 9.4 | 5.0 | 2 | 48 |
| Forsmark area | Soil tubes | At sea | 8 | 1.6 | 2.0 | 2.2 | 3.5 | 8.9 | 3.5 | 3 | 78 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 4 | 5.3 | 5.6 | 8.4 | 11 | 12 | 8.4 | 3 | 40 |
| Forsmark area | Private wells | drilled | 10 | 1.4 | 3.7 | 7.0 | 8.0 | 16 | 6.9 | 5 | 67 |

| Ce | | | Cerium (µg/l) | | | | | | | | Ce |
|-------------------------|--------------|----------|----------------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 2.5 | 3.6 | 4.4 | 5.8 | 10 | 5.2 | 3 | 54 |
| SFM0002 | HIGH (2:1) | DS | 6 | 3.3 | 3.8 | 4.1 | 4.5 | 5.6 | 4.2 | 0.8 | 19 |
| SFM0003 | HIGH (2:1) | DS | 6 | 0.13 | 0.18 | 0.20 | 0.24 | 0.29 | 0.21 | 0.06 | 27 |
| SFM0005 | HIGH (Coast) | DS | 3 | 1.9 | 2.1 | 2.3 | 2.5 | 2.7 | 2.3 | 0.4 | 18 |
| SFM0006 | HIGH (5:1) | DS | 3 | 1.7 | 1.8 | 1.9 | 2.2 | 2.4 | 2.0 | 0.4 | 18 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.22 | 0.28 | 0.28 | 0.50 | 0.69 | 0.40 | 0.2 | 50 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.52 | 0.58 | 0.93 | 1.2 | 1.6 | 0.96 | 0.4 | 45 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.0058 | | | 0.0058 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.024 | 0.027 | 0.030 | 0.053 | 0.11 | 0.049 | 0.04 | 74 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.99 | 1.2 | 1.2 | 1.3 | 1.4 | 1.2 | 0.2 | 13 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.41 | 0.45 | 0.52 | 0.82 | 0.86 | 0.61 | 0.2 | 35 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 1.1 | 1.2 | 1.4 | 1.8 | 2.1 | 1.5 | 0.4 | 28 |
| SFM0037 | LOW (2:1) | not DS | 4 | 2.6 | 3.6 | 5.1 | 6.4 | 6.7 | 4.9 | 2 | 39 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 2.9 | 3.1 | 3.3 | 4.5 | 5.6 | 3.9 | 1 | 38 |
| SFM0051 | HIGH (2:1) | DS | 4 | 1.7 | 2.9 | 3.6 | 4.1 | 5.0 | 3.5 | 1 | 39 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.64 | 0.76 | 1.1 | 1.5 | 1.9 | 1.2 | 0.6 | 50 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.059 | 0.10 | 0.14 | 0.45 | 1.3 | 0.41 | 0.6 | 140 |
| SFM0057 | LOW (2:8) | DS | 5 | 3.3 | 4.5 | 5.4 | 5.7 | 8.0 | 5.4 | 2 | 32 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.22 | 0.26 | 0.30 | 0.32 | 0.33 | 0.29 | 0.05 | 19 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | 0.29 | 1.3 | 3.3 | 10 | 2.0 | 2 | 110 |
| Forsmark area | Soil tubes | 'Higher' | 63 | 0.13 | 0.52 | 1.4 | 3.1 | 10 | 2.0 | 2 | 97 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | 0.14 | 4.3 | 8.0 | 2.2 | 3 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 60 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.46 | 17 | 29 | 42 | 150 | 44 | 50 | 100 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 28 | 31 | 34 | 69 | 100 | 56 | 40 | 77 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.46 | 14 | 24 | 42 | 150 | 42 | 50 | 110 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.61 | 2.2 | 3.9 | 6.2 | 22 | 5.5 | 6 | 100 |

Ground Water

| Cs | | | Cesium (µg/l) | | | | | | | Cs | |
|-------------------------|--------------|----------|---------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.01 | 47 |
| SFM0002 | HIGH (2:1) | DS | 6 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.003 | 19 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.01 | 74 |
| SFM0005 | HIGH (Coast) | DS | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0006 | HIGH (5:1) | DS | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 37 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0009 | HIGH (2:6) | DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.3 | | | <0.3 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.03 | | | <0.03 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.3 | | | <0.3 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.3 | | | <0.3 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.034 | 0.042 | 0.075 | 0.079 | 0.085 | 0.063 | 0.02 | 37 |
| SFM0029 | HIGH (4:2) | not DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0031 | HIGH (2:3) | not DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0032 | HIGH (2:3) | not DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0037 | LOW (2:1) | not DS | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.050 | 0.067 | 0.090 | 0.11 | 0.12 | 0.087 | 0.03 | 37 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.050 | 0.069 | 0.076 | 0.084 | 0.10 | 0.076 | 0.02 | 28 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.03 | 0.041 | 0.050 | 0.056 | 0.074 | 0.047 | 0.02 | 51 |
| SFM0057 | LOW (2:8) | DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.03 | 110 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.02 | 98 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 94 |
| Forsmark area | Soil tubes | In lake | 3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.08 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.3 | | | <0.3 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.03 | 0.29 | 0.57 | 1.7 | 3.5 | 1.1 | 1 | 110 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.21 | 0.32 | 0.43 | 1.5 | 2.6 | 1.1 | 1 | 120 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.03 | 0.32 | 0.64 | 1.4 | 3.5 | 1.1 | 1 | 110 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.0090 | 0.016 | 0.045 | 0.087 | 7.9 | 0.85 | 2 | 270 |

Ground Water

| CI | | | Chloride (mg/l) | | | | | | | | CI |
|-------------------------|---------------|-----------|-----------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 120 | 270 | 340 | 430 | 510 | 330 | 100 | 41 |
| SFM0002 | HIGH (2:1) | DS | 11 | 31 | 39 | 51 | 100 | 130 | 67 | 40 | 52 |
| SFM0003 | HIGH (2:1) | DS | 10 | 8.8 | 11 | 13 | 17 | 19 | 13 | 4 | 28 |
| SFM0005 | HIGH (Coast) | DS | 6 | 4.7 | 7.3 | 8.2 | 15 | 17 | 10 | 5 | 51 |
| SFM0006 | HIGH (5:1) | DS | 5 | 28 | 31 | 40 | 56 | 68 | 45 | 20 | 38 |
| SFM0008 | HIGH (5:1) | DS | 7 | 18 | 50 | 110 | 190 | 270 | 120 | 90 | 75 |
| SFM0009 | HIGH (2:6) | DS | 7 | 4.2 | 5.5 | 8.4 | 12 | 13 | 8.6 | 4 | 44 |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 1800 | | | 1800 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 2200 | 2200 | 2200 | 2200 | 2300 | 2200 | 60 | 2.7 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 1800 | | | 1800 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 7.2 | | | 7.2 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 280 | 300 | 310 | 320 | 380 | 310 | 30 | 9.6 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 26 | | | 26 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 18 | | | 18 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 12 | | | 12 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 5.1 | | | 5.1 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 11 | | | 11 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 950 | 1100 | 1200 | 1300 | 1300 | 1200 | 200 | 14 |
| SFM0023 | LOW (2:3) | Lake | 7 | 3700 | 3800 | 3800 | 3800 | 3800 | 3800 | 40 | 1.1 |
| SFM0024 | LOW (Coast) | Sea | 3 | 1600 | 1700 | 1700 | 1800 | 1800 | 1700 | 80 | 4.9 |
| SFM0025 | LOW (Coast) | Sea | 8 | 690 | 1800 | 1900 | 1900 | 2000 | 1700 | 400 | 25 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 97 | | | 97 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 60 | 62 | 62 | 64 | 65 | 62 | 2 | 3.1 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 13 | | | 13 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 14 | 16 | 19 | 31 | 43 | 24 | 10 | 50 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 69 | | | 69 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 7.4 | 7.9 | 8.1 | 8.7 | 11 | 8.5 | 1 | 14 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 18 | 21 | 24 | 32 | 36 | 26 | 6 | 25 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 430 | | | 430 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 150 | | | 150 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 52 | 54 | 68 | 83 | 130 | 75 | 30 | 40 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 11 | 15 | 16 | 17 | 18 | 15 | 3 | 18 |
| SFM0051 | HIGH (2:1) | DS | 6 | 36 | 41 | 45 | 47 | 49 | 44 | 5 | 11 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 9.6 | 10 | 11 | 12 | 13 | 11 | 1 | 13 |
| SFM0056 | LOW (Coast) | not DS | 6 | 12 | 490 | 510 | 520 | 560 | 430 | 200 | 48 |
| SFM0057 | LOW (2:8) | DS | 6 | 67 | 220 | 310 | 350 | 400 | 270 | 100 | 45 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 580 | | | 580 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 6.8 | 7.0 | 7.2 | 39 | 71 | 28 | 40 | 130 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 7.1 | 10 | 13 | 15 | 17 | 12 | 5 | 41 |
| SFM0062 | LOW (2:3) | Lake | 3 | 27 | 27 | 27 | 28 | 29 | 28 | 1 | 4.1 |
| SFM0063 | LOW (2:3) | Lake | 2 | 23 | | 150 | | 270 | 150 | 200 | 120 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 370 | | | 370 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 24 | 48 | 55 | 60 | 64 | 52 | 10 | 23 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 196 | 4.2 | 18 | 56 | 340 | 3800 | 460 | 900 | 190 |
| Forsmark area | Soil tubes | 'Higher' | 117 | 4.2 | 11 | 23 | 56 | 580 | 64 | 100 | 170 |
| Forsmark area | Soil tubes | 'Lower' | 79 | 12 | 69 | 400 | 1900 | 3800 | 1000 | 1000 | 110 |
| Forsmark area | Soil tubes | In lake | 34 | 23 | 300 | 1300 | 2300 | 3800 | 1600 | 1000 | 87 |
| Forsmark area | Soil tubes | At sea | 11 | 690 | 1700 | 1800 | 1900 | 2000 | 1700 | 400 | 21 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 20 | 3.0 | 4.8 | 14 | 140 | 1900 | 260 | 500 | 210 |
| Forsmark area | Private wells | drilled | 29 | 8.0 | 44 | 91 | 3600 | 5600 | 1500 | 2000 | 130 |
| Simpevarp area | Private wells | excavated | 134 | 2.5 | 7.0 | 18 | 46 | 750 | 49 | 100 | 210 |
| Simpevarp area | Private wells | drilled | 291 | 2.5 | 14 | 45 | 140 | 1200 | 120 | 200 | 150 |
| Simpevarp area | Soil tubes | All | 55 | 3.2 | 5.4 | 7.4 | 24 | 200 | 36 | 50 | 150 |
| Simpevarp area | Soil tubes | 'Higher' | 14 | 3.7 | 5.0 | 5.9 | 7.2 | 17 | 6.8 | 3 | 49 |
| Simpevarp area | Soil tubes | 'Lower' | 41 | 3.2 | 5.7 | 12 | 86 | 200 | 46 | 60 | 130 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 9.7 | 33 | 220 | 450 | 1400 | 370 | 500 | 120 |
| Uppsala County | SGU well | excavated | 66 | 0.32 | 7.1 | 13 | 24 | 730 | 33 | 100 | 290 |
| Uppsala County | SGU well | drilled | 672 | 0.50 | 9.7 | 19 | 42 | 2600 | 65 | 200 | 260 |
| Kalmar County | SGU well | excavated | 377 | 2.0 | 11 | 20 | 32 | 180 | 26 | 20 | 85 |
| Kalmar County | SGU well | drilled | 375 | 2.0 | 11 | 21 | 45 | 1400 | 58 | 100 | 260 |
| Sweden | SGU well | excavated | 6822 | | 5.0 | 11 | 21 | 1600 | 20 | 50 | 230 |
| Sweden | SGU well | drilled | 12433 | | 7.0 | 15 | 32 | 11000 | 52 | 200 | 390 |

Ground Water

| CI-37 | | | Chlorine-37 (dev. SMOC) | | | | | | | | CI-37 |
|------------------|--------------|----------|-------------------------|--------|---------|----------------|---------|---------|---------|-------|-------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 9 | -0.560 | -0.100 | 0.250 | 0.260 | 0.430 | 0.0911 | 0.32 | 350 |
| SFM0002 | HIGH (2:1) | DS | 9 | -0.490 | -0.380 | -0.290 | -0.0700 | 0.0600 | -0.250 | 0.21 | -84 |
| SFM0003 | HIGH (2:1) | DS | 8 | -0.230 | 0.0550 | 0.230 | 0.273 | 0.580 | 0.185 | 0.24 | 130 |
| SFM0005 | HIGH (Coast) | DS | 5 | -0.460 | -0.190 | -0.110 | 0.0100 | 0.0800 | -0.134 | 0.21 | -160 |
| SFM0006 | HIGH (5:1) | DS | 4 | -0.570 | -0.308 | -0.180 | -0.0575 | 0.190 | -0.185 | 0.31 | -170 |
| SFM0008 | HIGH (5:1) | DS | 6 | -0.400 | -0.258 | 0.0800 | 0.170 | 0.330 | -0.0133 | 0.30 | -2300 |
| SFM0009 | HIGH (2:6) | DS | 5 | -0.420 | -0.370 | -0.0700 | -0.0500 | | -0.182 | 0.20 | -110 |
| SFM0012 | LOW (2:8) | Lake | 5 | -0.180 | 0.0800 | 0.170 | 0.170 | 0.570 | 0.162 | 0.27 | 170 |
| SFM0015 | LOW (2:10) | Lake | 4 | 0.680 | 1.04 | 1.19 | 1.31 | 1.56 | 1.16 | 0.36 | 31 |
| SFM0022 | LOW (8:1) | Lake | 1 | | | -0.670 | | | -0.670 | | |
| SFM0023 | LOW (2:3) | Lake | 4 | -0.140 | -0.0425 | 0.0950 | 0.203 | 0.210 | 0.0650 | 0.17 | 260 |
| SFM0024 | LOW (Coast) | Sea | 1 | | | 0.0400 | | | 0.0400 | | |
| SFM0025 | LOW (Coast) | Sea | 4 | -0.410 | -0.373 | -0.315 | -0.268 | -0.260 | -0.325 | 0.072 | -22 |
| SFM0027 | LOW (8:1) | not DS | 5 | -0.720 | -0.640 | -0.540 | -0.400 | -0.320 | -0.524 | 0.17 | -32 |
| SFM0029 | HIGH (4:2) | not DS | 5 | -0.590 | -0.260 | -0.140 | -0.0700 | 0.0300 | -0.206 | 0.24 | -120 |
| SFM0031 | HIGH (2:3) | not DS | 5 | -0.550 | -0.360 | -0.0700 | -0.0400 | 0.180 | -0.168 | 0.29 | -170 |
| SFM0032 | HIGH (2:3) | not DS | 5 | -0.410 | -0.290 | -0.220 | -0.180 | 0.190 | -0.182 | 0.23 | -120 |
| SFM0037 | LOW (2:1) | not DS | 5 | | 0.120 | 0.120 | 0.230 | 0.290 | 0.152 | 0.11 | 74 |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | -0.480 | | | -0.480 | | |
| SFM0051 | HIGH (2:1) | DS | 4 | -0.410 | -0.403 | -0.0250 | 0.388 | 0.500 | 0.01000 | 0.48 | 4800 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.0600 | 0.150 | 0.210 | 0.258 | 0.310 | 0.198 | 0.11 | 54 |
| SFM0056 | LOW (Coast) | not DS | 1 | | | 0.330 | | | 0.330 | | |
| SFM0057 | LOW (2:8) | DS | 3 | -0.570 | -0.425 | -0.280 | -0.280 | -0.280 | -0.377 | 0.17 | -44 |
| SFM0060 | HIGH (Coast) | not DS | 2 | -0.190 | | -0.110 | | -0.0300 | -0.110 | 0.11 | -100 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 105 | -0.720 | -0.320 | -0.0500 | 0.200 | 1.56 | -0.0371 | 0.39 | -1000 |
| Forsmark area | Soil tubes | 'Higher' | 72 | -0.590 | -0.305 | -0.0700 | 0.190 | 0.580 | -0.0694 | 0.29 | -420 |
| Forsmark area | Soil tubes | 'Lower' | 33 | -0.720 | -0.320 | | 0.210 | 1.56 | 0.0333 | 0.54 | 1600 |
| Forsmark area | Soil tubes | In lake | 14 | -0.670 | 0.0125 | 0.185 | 0.653 | 1.56 | 0.359 | 0.61 | 170 |
| Forsmark area | Soil tubes | At sea | 5 | -0.410 | -0.360 | -0.270 | -0.260 | 0.0400 | -0.252 | 0.17 | -69 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 32 | -0.710 | -0.380 | -0.235 | 0.0750 | 0.770 | -0.133 | 0.37 | -280 |
| Simpevarp area | Soil tubes | 'Higher' | 10 | -0.630 | -0.380 | -0.280 | 0.353 | 0.470 | -0.102 | 0.43 | -420 |
| Simpevarp area | Soil tubes | 'Lower' | 22 | -0.710 | -0.353 | -0.235 | 0.0250 | 0.770 | -0.148 | 0.35 | -230 |

| Cr | | | Chromium (µg/l) | | | | | | | | Cr |
|------------------|--------------|----------|-----------------|-------|-------|----------------|-------|-------|-------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 7 | 0.23 | 0.26 | 0.37 | 0.48 | 0.71 | 0.40 | 0.2 | 44 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.23 | 0.27 | 0.32 | 0.33 | 0.56 | 0.33 | 0.1 | 35 |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.040 | 0.053 | 0.060 | 0.10 | 0.15 | 0.080 | 0.04 | 52 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.18 | 0.21 | 0.25 | 0.32 | 0.43 | 0.28 | 0.1 | 39 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.078 | 0.084 | 0.089 | 0.12 | 0.16 | 0.11 | 0.04 | 39 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.058 | 0.063 | 0.075 | 0.10 | 0.13 | 0.086 | 0.03 | 36 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.13 | 0.14 | 0.19 | 0.20 | 0.21 | 0.17 | 0.04 | 21 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.1 | | | <0.1 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.070 | | | 0.070 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.1 | | | <0.1 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.1 | | | <0.1 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.023 | 0.038 | 0.041 | 0.045 | 0.058 | 0.041 | 0.01 | 31 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.058 | 0.079 | 0.082 | 0.088 | 0.095 | 0.080 | 0.01 | 17 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.032 | 0.035 | 0.044 | 0.046 | 0.059 | 0.043 | 0.01 | 25 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.19 | 0.20 | 0.23 | 0.30 | 0.34 | 0.25 | 0.06 | 26 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.40 | 0.43 | 0.44 | 0.46 | 0.53 | 0.45 | 0.06 | 13 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.20 | 0.22 | 0.25 | 0.29 | 0.33 | 0.26 | 0.06 | 25 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.74 | 0.93 | 1.0 | 1.2 | 1.6 | 1.1 | 0.4 | 34 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.50 | 0.57 | 0.82 | 1.1 | 1.2 | 0.84 | 0.3 | 42 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.15 | 0.17 | 0.22 | 0.38 | 0.71 | 0.33 | 0.3 | 80 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.21 | 0.22 | 0.27 | 0.30 | 0.47 | 0.30 | 0.1 | 36 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.076 | 0.076 | 0.076 | 0.11 | 0.14 | 0.096 | 0.03 | 36 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 88 | <0.1 | <0.1 | 0.20 | 0.33 | 1.6 | 0.27 | 0.3 | 110 |
| Forsmark area | Soil tubes | 'Higher' | 66 | <0.1 | <0.1 | 0.20 | 0.33 | 1.6 | 0.28 | 0.3 | 110 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.1 | <0.1 | 0.19 | 0.37 | 0.71 | 0.23 | 0.2 | 86 |
| Forsmark area | Soil tubes | In lake | 3 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.01 | 20 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.1 | | | <0.1 | | |

Ground Water

| Co | | | Cobalt (µg/l) | | | | | | | | Co |
|-------------------------|---------------|-----------|---------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 7 | 0.23 | 0.24 | 0.25 | 0.34 | 0.50 | 0.31 | 0.10 | 33 |
| SFM0002 | HIGH (2:1) | DS | 7 | 0.18 | 0.23 | 0.28 | 0.47 | 0.75 | 0.37 | 0.2 | 60 |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.13 | 0.13 | 0.14 | 0.15 | 0.22 | 0.15 | 0.03 | 20 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.14 | 0.14 | 0.15 | 0.17 | 0.19 | 0.16 | 0.03 | 16 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.18 | 0.22 | 0.25 | 0.61 | 0.96 | 0.46 | 0.4 | 93 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.27 | 0.27 | 0.27 | 0.32 | 0.42 | 0.31 | 0.07 | 22 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.078 | 0.099 | 0.17 | 0.27 | 0.27 | 0.18 | 0.09 | 50 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 0.49 | | | 0.49 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.55 | | | 0.55 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | 3.2 | | | 3.2 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | 0.20 | | | 0.20 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.021 | 0.048 | 0.053 | 0.10 | 0.11 | 0.067 | 0.04 | 56 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.15 | 0.20 | 0.20 | 0.29 | 0.35 | 0.24 | 0.08 | 34 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.24 | 0.29 | 0.31 | 0.43 | 0.44 | 0.34 | 0.09 | 25 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.10 | 0.11 | 0.11 | 0.14 | 0.20 | 0.13 | 0.04 | 31 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.10 | 0.11 | 0.14 | 0.20 | 0.27 | 0.16 | 0.08 | 47 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.052 | 0.056 | 0.061 | 0.091 | 0.12 | 0.078 | 0.04 | 48 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.16 | 0.21 | 0.25 | 0.31 | 0.43 | 0.27 | 0.1 | 43 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.15 | 0.16 | 0.22 | 0.28 | 0.28 | 0.22 | 0.07 | 32 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.11 | 0.12 | 0.13 | 0.16 | 0.26 | 0.16 | 0.07 | 45 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.26 | 0.28 | 0.35 | 0.37 | 0.44 | 0.34 | 0.07 | 21 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.049 | 0.062 | 0.074 | 0.15 | 0.22 | 0.12 | 0.09 | 82 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 89 | 0.021 | 0.14 | 0.22 | 0.28 | 3.2 | 0.27 | 0.4 | 130 |
| Forsmark area | Soil tubes | 'Higher' | 67 | 0.049 | 0.14 | 0.22 | 0.28 | 0.96 | 0.24 | 0.2 | 64 |
| Forsmark area | Soil tubes | 'Lower' | 22 | 0.021 | 0.11 | 0.19 | 0.34 | 3.2 | 0.35 | 0.7 | 190 |
| Forsmark area | Soil tubes | In lake | 3 | 0.49 | 0.52 | 0.55 | 1.9 | 3.2 | 1.4 | 2 | 110 |
| Forsmark area | Soil tubes | At sea | 1 | | | 0.20 | | | 0.20 | | |
| Cu | | | Copper (µg/l) | | | | | | | | Cu |
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 8 | <0.5 | <0.5 | <0.5 | 0.73 | 0.99 | 0.51 | 0.3 | 55 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.13 | 0.18 | 0.29 | 0.46 | 0.53 | 0.32 | 0.2 | 55 |
| SFM0003 | HIGH (2:1) | DS | 7 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 68 |
| SFM0005 | HIGH (Coast) | DS | 4 | 2.4 | 2.7 | 3.0 | 3.3 | 3.5 | 3.0 | 0.5 | 16 |
| SFM0006 | HIGH (5:1) | DS | 3 | 6.5 | 6.6 | 6.7 | 7.3 | 7.9 | 7.0 | 0.8 | 11 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.69 | 1.2 | 1.4 | 1.5 | 1.6 | 1.3 | 0.4 | 28 |
| SFM0009 | HIGH (2:6) | DS | 5 | 3.0 | 3.1 | 3.1 | 3.4 | 3.6 | 3.3 | 0.3 | 8.2 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <1 | | | <1 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.1 | | | <0.1 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <1 | | | <1 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <1 | | | <1 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.1 | <0.1 | 0.12 | 0.20 | 0.21 | 0.13 | 0.08 | 62 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.12 | 0.14 | 0.19 | 0.24 | 0.31 | 0.20 | 0.08 | 40 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.91 | 0.98 | 0.99 | 1.2 | 1.4 | 1.1 | 0.2 | 20 |
| SFM0032 | HIGH (2:3) | not DS | 5 | <0.1 | <0.1 | 0.20 | 0.23 | 0.28 | 0.16 | 0.1 | 66 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.40 | 0.41 | 0.46 | 0.55 | 0.65 | 0.49 | 0.1 | 24 |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.1 | <0.1 | 0.12 | 0.23 | 0.33 | 0.17 | 0.1 | 87 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.71 | 0.81 | 0.92 | 1.5 | 3.2 | 1.4 | 1 | 82 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.52 | 0.60 | 0.80 | 1.3 | 2.3 | 1.1 | 0.8 | 75 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.28 | 0.39 | 0.58 | 0.91 | 1.5 | 0.73 | 0.5 | 72 |
| SFM0057 | LOW (2:8) | DS | 5 | 1.5 | 2.2 | 3.3 | 3.4 | 4.2 | 2.9 | 1 | 37 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 4.6 | 4.8 | 5.0 | 5.2 | 5.5 | 5.0 | 0.4 | 8.5 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 89 | <1 | <1 | <1 | 1.5 | 7.9 | 1.3 | 2 | 130 |
| Forsmark area | Soil tubes | 'Higher' | 67 | <1 | <1 | <1 | 2.0 | 7.9 | 1.4 | 2 | 130 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <1 | <1 | <1 | 1.3 | 4.2 | <1 | 1 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <1 | <1 | <1 | <1 | <1 | <1 | 0.3 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <1 | | | <1 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 14 | 5.0 | 5.0 | 7.5 | 24 | 45 | 15 | 10 | 92 |
| Forsmark area | Private wells | drilled | 16 | 5.0 | 5.0 | 7.5 | 13 | 140 | 21 | 30 | 160 |

Ground Water

| D | | | Deuterium (dev. SMOW) | | | | | | | | D |
|-------------------------|---------------|-----------|-----------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | -90.6 | -83.9 | -82.6 | -77.3 | -73.1 | -81.6 | 5.2 | -6.4 |
| SFM0002 | HIGH (2:1) | DS | 10 | -95.2 | -88.5 | -87.1 | -84.2 | -81.6 | -87.0 | 3.9 | -4.5 |
| SFM0003 | HIGH (2:1) | DS | 10 | -82.3 | -78.5 | -75.9 | -75.0 | -71.3 | -76.5 | 3.7 | -4.8 |
| SFM0005 | HIGH (Coast) | DS | 5 | -93.8 | -92.5 | -89.4 | -86.3 | -84.3 | -89.3 | 4.0 | -4.5 |
| SFM0006 | HIGH (5:1) | DS | 4 | -92.5 | -92.4 | -92.0 | -91.0 | -89.1 | -91.4 | 1.6 | -1.7 |
| SFM0008 | HIGH (5:1) | DS | 7 | -90.6 | -89.9 | -87.7 | -85.3 | -82.1 | -87.2 | 3.4 | -3.9 |
| SFM0009 | HIGH (2:6) | DS | 7 | -87.9 | -86.9 | -86.6 | -83.4 | -81.3 | -85.2 | 2.7 | -3.1 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | -86.9 | | | -86.9 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | -73.5 | | | -73.5 | | |
| SFM0012 | LOW (2:8) | Lake | 8 | -78.5 | -77.5 | -75.7 | -74.7 | -71.4 | -75.8 | 2.3 | -3.1 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | -81.0 | | | -81.0 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | -87.5 | | | -87.5 | | |
| SFM0015 | LOW (2:10) | Lake | 7 | -68.0 | -67.8 | -67.4 | -65.7 | -62.5 | -66.4 | 2.0 | -3.0 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | -78.5 | | | -78.5 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | -84.9 | | | -84.9 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | -86.3 | | | -86.3 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | -86.0 | | | -86.0 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | -86.0 | | | -86.0 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | -86.8 | | | -86.8 | | |
| SFM0022 | LOW (8:1) | Lake | 2 | -77.5 | | -75.0 | | -72.5 | -75.0 | 3.5 | -4.7 |
| SFM0023 | LOW (2:3) | Lake | 7 | -72.9 | -70.4 | -69.0 | -68.0 | -65.7 | -69.2 | 2.4 | -3.4 |
| SFM0024 | LOW (Coast) | Sea | 3 | -77.8 | -76.7 | -75.5 | -74.4 | -73.2 | -75.5 | 2.3 | -3.0 |
| SFM0025 | LOW (Coast) | Sea | 7 | -89.9 | -88.1 | -87.5 | -86.9 | -85.6 | -87.6 | 1.3 | -1.5 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | -87.0 | | | -87.0 | | |
| SFM0027 | LOW (8:1) | not DS | 7 | -89.6 | -88.7 | -86.5 | -86.0 | -83.5 | -87.0 | 2.2 | -2.5 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | -86.1 | | | -86.1 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | -88.3 | -86.9 | -85.1 | -84.9 | -84.4 | -85.9 | 1.6 | -1.9 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | -80.8 | | | -80.8 | | |
| SFM0031 | HIGH (2:3) | not DS | 6 | -76.0 | -74.0 | -72.4 | -72.2 | -68.8 | -72.7 | 2.4 | -3.4 |
| SFM0032 | HIGH (2:3) | not DS | 8 | -86.2 | -85.4 | -85.1 | -83.6 | -76.0 | -83.8 | 3.3 | -4.0 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | -81.1 | | | -81.1 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | -80.7 | | | -80.7 | | |
| SFM0037 | LOW (2:1) | not DS | 6 | -84.0 | -81.4 | -77.6 | -74.5 | -67.1 | -77.1 | 6.1 | -8.0 |
| SFM0049 | HIGH (Coast) | not DS | 4 | -79.8 | -77.1 | -75.8 | -73.8 | -68.8 | -75.1 | 4.6 | -6.1 |
| SFM0051 | HIGH (2:1) | DS | 5 | -89.2 | -87.7 | -86.1 | -85.8 | -85.2 | -86.8 | 1.6 | -1.9 |
| SFM0053 | HIGH (4:2) | not DS | 5 | -88.6 | -86.8 | -86.5 | -86.1 | -84.8 | -86.6 | 1.4 | -1.6 |
| SFM0056 | LOW (Coast) | not DS | 5 | -85.2 | -83.9 | -83.7 | -81.7 | -81.1 | -83.1 | 1.7 | -2.0 |
| SFM0057 | LOW (2:8) | DS | 5 | -93.5 | -90.7 | -89.7 | -82.9 | -80.9 | -87.5 | 5.4 | -6.1 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | -82.0 | | | -82.0 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | -90.7 | -89.7 | -88.7 | -87.3 | -85.9 | -88.4 | 2.4 | -2.7 |
| SFM0061 | HIGH (7:2) | not DS | 2 | -90.2 | | -89.2 | | -88.2 | -89.2 | 1.4 | -1.6 |
| SFM0062 | LOW (2:3) | Lake | 2 | -84.5 | | -83.8 | | -83.1 | -83.8 | 0.99 | -1.2 |
| SFM0063 | LOW (2:3) | Lake | 2 | -81.2 | | -80.9 | | -80.5 | -80.9 | 0.49 | -0.61 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | -77.4 | | | -77.4 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | -86.3 | -85.5 | -82.7 | -82.3 | -81.6 | -83.6 | 1.8 | -2.2 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 180 | -95.2 | -86.8 | -83.7 | -76.8 | -62.5 | -81.9 | 6.9 | -8.4 |
| Forsmark area | Soil tubes | 'Higher' | 111 | -95.2 | -87.4 | -85.1 | -81.7 | -68.8 | -83.8 | 5.6 | -6.7 |
| Forsmark area | Soil tubes | 'Lower' | 69 | -93.5 | -85.6 | -80.7 | -73.2 | -62.5 | -79.0 | 7.8 | -9.8 |
| Forsmark area | Soil tubes | In lake | 29 | -84.5 | -77.4 | -72.5 | -68.0 | -62.5 | -72.8 | 5.9 | -8.0 |
| Forsmark area | Soil tubes | At sea | 10 | -89.9 | -87.8 | -86.9 | -79.8 | -73.2 | -83.9 | 6.0 | -7.2 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 2 | -87.8 | | -82.7 | | -77.6 | -82.7 | 7.2 | -8.7 |
| Forsmark area | Private wells | drilled | 5 | -85.1 | -82.3 | -82.2 | -78.6 | -75.9 | -80.8 | 3.6 | -4.4 |
| Simpevarp area | Soil tubes | All | 40 | -85.2 | -79.2 | -77.4 | -74.5 | -66.0 | -76.7 | 4.0 | -5.2 |
| Simpevarp area | Soil tubes | 'Higher' | 10 | -85.2 | -78.9 | -76.9 | -74.2 | -70.2 | -76.6 | 4.3 | -5.6 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | -84.3 | -79.7 | -77.4 | -75.1 | -66.0 | -76.8 | 3.9 | -5.1 |
| Laxemar pre-PLU | Soil tubes | All | 22 | -80.4 | -77.4 | -75.6 | -71.4 | -59.9 | -73.5 | 5.5 | -7.5 |

Ground Water

| Dy | | | Dysprosium (µg/l) | | | | | | | | Dy |
|------------------|--------------|----------|-------------------|--------|--------|------------------|-------|-------|--------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.23 | 0.31 | 0.34 | 0.40 | 0.71 | 0.39 | 0.2 | 43 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.32 | 0.34 | 0.36 | 0.42 | 0.55 | 0.39 | 0.09 | 22 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | 0.020 | 0.023 | 0.037 | 0.021 | 0.009 | 45 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.26 | 0.29 | 0.31 | 0.33 | 0.35 | 0.31 | 0.05 | 15 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.40 | 0.43 | 0.46 | 0.53 | 0.60 | 0.49 | 0.1 | 21 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.032 | 0.039 | 0.051 | 0.081 | 0.12 | 0.064 | 0.04 | 55 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.11 | 0.11 | 0.13 | 0.18 | 0.25 | 0.15 | 0.06 | 39 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.015 | 0.018 | 0.018 | 0.019 | 0.038 | 0.021 | 0.009 | 43 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.12 | 0.16 | 0.16 | 0.17 | 0.19 | 0.16 | 0.03 | 16 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.15 | 0.16 | 0.22 | 0.26 | 0.33 | 0.22 | 0.08 | 34 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.20 | 0.21 | 0.23 | 0.24 | 0.29 | 0.23 | 0.03 | 14 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.24 | 0.34 | 0.48 | 0.60 | 0.61 | 0.46 | 0.2 | 40 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.17 | 0.17 | 0.17 | 0.23 | 0.30 | 0.21 | 0.07 | 34 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.13 | 0.22 | 0.26 | 0.29 | 0.36 | 0.25 | 0.09 | 36 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.044 | 0.049 | 0.069 | 0.097 | 0.13 | 0.077 | 0.04 | 49 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.0049 | 0.0065 | 0.0075 | 0.027 | 0.083 | 0.026 | 0.04 | 150 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.34 | 0.41 | 0.46 | 0.56 | 0.84 | 0.52 | 0.2 | 38 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.075 | 0.080 | 0.086 | 0.093 | 0.099 | 0.087 | 0.01 | 14 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | 0.051 | 0.17 | 0.33 | 0.84 | 0.22 | 0.2 | 86 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | 0.10 | 0.19 | 0.32 | 0.71 | 0.22 | 0.2 | 70 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.40 | 0.84 | 0.21 | 0.3 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.033 | 0.75 | 1.6 | 2.3 | 6.7 | 2.1 | 2 | 97 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 1.5 | 1.7 | 2.0 | 3.7 | 5.5 | 3.0 | 2 | 74 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.033 | 0.57 | 1.4 | 2.2 | 6.7 | 2.0 | 2 | 110 |

| Er | | | Erbium (µg/l) | | | | | | | | Er |
|------------------|--------------|----------|---------------|--------|--------|------------------|-------|-------|--------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.13 | 0.19 | 0.21 | 0.24 | 0.41 | 0.23 | 0.09 | 40 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.23 | 0.25 | 0.28 | 0.31 | 0.36 | 0.28 | 0.05 | 17 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | <0.02 | <0.02 | 0.022 | <0.02 | 0.005 | 35 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.15 | 0.17 | 0.18 | 0.19 | 0.20 | 0.18 | 0.03 | 15 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.26 | 0.28 | 0.29 | 0.36 | 0.43 | 0.33 | 0.09 | 27 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.022 | 0.029 | 0.037 | 0.053 | 0.083 | 0.045 | 0.02 | 54 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.060 | 0.061 | 0.071 | 0.093 | 0.13 | 0.083 | 0.03 | 36 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.018 | 0.021 | 0.022 | 0.023 | 0.038 | 0.024 | 0.008 | 32 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.064 | 0.080 | 0.087 | 0.087 | 0.11 | 0.086 | 0.02 | 20 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.100 | 0.11 | 0.16 | 0.20 | 0.22 | 0.16 | 0.05 | 33 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.14 | 0.15 | 0.16 | 0.18 | 0.19 | 0.16 | 0.02 | 13 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.15 | 0.23 | 0.33 | 0.40 | 0.41 | 0.30 | 0.1 | 40 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.085 | 0.088 | 0.091 | 0.12 | 0.16 | 0.11 | 0.04 | 36 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.089 | 0.14 | 0.15 | 0.17 | 0.22 | 0.15 | 0.05 | 34 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.024 | 0.026 | 0.036 | 0.050 | 0.066 | 0.040 | 0.02 | 49 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.005 | <0.005 | <0.005 | 0.013 | 0.043 | 0.012 | 0.02 | 160 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.19 | 0.26 | 0.26 | 0.31 | 0.46 | 0.30 | 0.10 | 33 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.048 | 0.053 | 0.059 | 0.064 | 0.070 | 0.059 | 0.01 | 19 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | <0.05 | 0.100 | 0.21 | 0.46 | 0.14 | 0.1 | 85 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | 0.060 | 0.11 | 0.20 | 0.43 | 0.14 | 0.1 | 73 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.26 | 0.46 | 0.13 | 0.2 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.026 | 0.43 | 0.85 | 1.2 | 3.6 | 1.1 | 1 | 92 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.84 | 0.92 | 1.0 | 1.8 | 2.6 | 1.5 | 1.0 | 66 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.026 | 0.34 | 0.77 | 1.2 | 3.6 | 1.0 | 1 | 100 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.080 | 0.11 | 0.14 | 0.21 | 0.93 | 0.22 | 0.2 | 110 |

Ground Water

| Eu | | | Europium (µg/l) | | | | | | | | Eu |
|------------------|--------------|----------|-----------------|--------|--------|------------------|--------|-------|--------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.033 | 0.047 | 0.054 | 0.062 | 0.12 | 0.062 | 0.03 | 50 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.036 | 0.042 | 0.049 | 0.063 | 0.080 | 0.053 | 0.02 | 31 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.005 | 74 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.042 | 0.049 | 0.055 | 0.056 | 0.058 | 0.052 | 0.008 | 16 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.083 | 0.089 | 0.095 | 0.12 | 0.14 | 0.11 | 0.03 | 28 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.005 | 0.0059 | 0.010 | 0.019 | 0.024 | 0.012 | 0.009 | 73 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.022 | 0.024 | 0.025 | 0.034 | 0.051 | 0.031 | 0.01 | 39 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.010 | <0.005 | 0.003 | 84 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.025 | 0.031 | 0.035 | 0.037 | 0.045 | 0.035 | 0.007 | 21 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.021 | 0.023 | 0.029 | 0.049 | 0.053 | 0.035 | 0.02 | 43 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.025 | 0.028 | 0.034 | 0.037 | 0.047 | 0.034 | 0.009 | 26 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.029 | 0.066 | 0.079 | 0.082 | 0.092 | 0.069 | 0.03 | 40 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.030 | 0.031 | 0.031 | 0.043 | 0.054 | 0.038 | 0.01 | 35 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.016 | 0.029 | 0.036 | 0.042 | 0.050 | 0.035 | 0.01 | 41 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.0070 | 0.0078 | 0.011 | 0.016 | 0.024 | 0.013 | 0.008 | 59 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.005 | <0.005 | <0.005 | 0.0056 | 0.015 | 0.0054 | 0.006 | 110 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.063 | 0.092 | 0.099 | 0.12 | 0.15 | 0.10 | 0.03 | 31 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.012 | 0.013 | 0.015 | 0.023 | 0.032 | 0.019 | 0.01 | 56 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | <0.05 | <0.05 | 0.051 | 0.15 | <0.05 | 0.03 | 86 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | <0.05 | <0.05 | <0.05 | 0.14 | <0.05 | 0.03 | 73 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.079 | 0.15 | <0.05 | 0.05 | 110 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.014 | 0.22 | 0.43 | 0.68 | 2.3 | 0.62 | 0.6 | 100 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.43 | 0.47 | 0.51 | 1.0 | 1.6 | 0.83 | 0.6 | 76 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.014 | 0.16 | 0.39 | 0.64 | 2.3 | 0.57 | 0.6 | 110 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.017 | 0.032 | 0.052 | 0.070 | 0.30 | 0.075 | 0.08 | 100 |

Ground Water

| F | | | Fluoride (mg/l) | | | | | | | | F |
|-------------------------|---------------|-----------|-----------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 0.54 | 0.57 | 0.59 | 0.69 | 0.86 | 0.64 | 0.10 | 15 |
| SFM0002 | HIGH (2:1) | DS | 11 | 0.28 | 0.46 | 0.54 | 0.61 | 0.70 | 0.52 | 0.1 | 23 |
| SFM0003 | HIGH (2:1) | DS | 10 | 0.57 | 0.60 | 0.69 | 0.75 | 0.78 | 0.68 | 0.08 | 12 |
| SFM0005 | HIGH (Coast) | DS | 6 | <0.2 | <0.2 | <0.2 | <0.2 | 0.35 | <0.2 | 0.1 | 74 |
| SFM0006 | HIGH (5:1) | DS | 5 | 0.23 | 0.27 | 0.30 | 0.54 | 0.55 | 0.38 | 0.2 | 41 |
| SFM0008 | HIGH (5:1) | DS | 7 | 0.24 | 0.32 | 0.32 | 0.38 | 0.73 | 0.38 | 0.2 | 43 |
| SFM0009 | HIGH (2:6) | DS | 7 | 0.21 | 0.28 | 0.29 | 0.37 | 0.55 | 0.33 | 0.1 | 35 |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 0.48 | | | 0.48 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | <0.2 | 0.46 | 0.60 | 0.75 | 1.0 | 0.55 | 0.3 | 54 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 0.96 | | | 0.96 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 0.68 | | | 0.68 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 0.26 | 0.44 | 0.56 | 0.66 | 0.88 | 0.55 | 0.2 | 40 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 0.45 | | | 0.45 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 1.2 | | | 1.2 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 1.5 | | | 1.5 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 0.63 | | | 0.63 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 0.68 | | | 0.68 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 0.28 | 0.67 | 0.90 | 1.1 | 1.5 | 0.88 | 0.5 | 55 |
| SFM0023 | LOW (2:3) | Lake | 7 | <0.2 | <0.2 | 0.35 | 0.72 | 1.0 | 0.44 | 0.4 | 85 |
| SFM0024 | LOW (Coast) | Sea | 3 | <0.2 | 0.21 | 0.32 | 0.34 | 0.36 | 0.26 | 0.1 | 54 |
| SFM0025 | LOW (Coast) | Sea | 7 | <0.2 | <0.2 | 0.36 | 0.73 | 1.3 | 0.50 | 0.5 | 90 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 0.48 | | | 0.48 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 0.20 | 0.36 | 0.45 | 0.48 | 0.52 | 0.41 | 0.1 | 26 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 0.46 | | | 0.46 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 0.31 | 0.32 | 0.35 | 0.38 | 0.40 | 0.35 | 0.04 | 11 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 1.0 | | | 1.0 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 0.22 | 0.46 | 0.53 | 0.60 | 0.69 | 0.51 | 0.2 | 30 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 0.55 | 0.60 | 0.65 | 0.71 | 0.76 | 0.65 | 0.07 | 11 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 0.59 | | | 0.59 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 0.64 | | | 0.64 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 0.49 | 0.59 | 0.61 | 0.66 | 0.67 | 0.61 | 0.06 | 10 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 0.29 | 0.32 | 0.34 | 0.34 | 0.35 | 0.33 | 0.03 | 8.0 |
| SFM0051 | HIGH (2:1) | DS | 6 | 0.47 | 0.53 | 0.55 | 0.58 | 0.58 | 0.54 | 0.04 | 7.7 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 0.26 | 0.35 | 0.37 | 0.39 | 0.39 | 0.36 | 0.05 | 14 |
| SFM0056 | LOW (Coast) | not DS | 6 | 0.27 | 0.46 | 0.63 | 0.74 | 0.76 | 0.58 | 0.2 | 34 |
| SFM0057 | LOW (2:8) | DS | 6 | <0.2 | <0.2 | <0.2 | 0.36 | 2.3 | 0.53 | 0.9 | 170 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 0.65 | | | 0.65 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.70 | 0.71 | 0.71 | 0.74 | 0.77 | 0.73 | 0.04 | 5.2 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 0.64 | 0.71 | 0.77 | 0.81 | 0.85 | 0.75 | 0.1 | 14 |
| SFM0062 | LOW (2:3) | Lake | 3 | 0.28 | 0.47 | 0.66 | 0.68 | 0.69 | 0.54 | 0.2 | 42 |
| SFM0063 | LOW (2:3) | Lake | 2 | <0.2 | | 0.42 | | 0.74 | 0.42 | 0.5 | 110 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | <0.2 | | | <0.2 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 0.58 | 0.61 | 0.62 | 0.62 | 0.63 | 0.61 | 0.01 | 2.4 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 195 | <0.2 | 0.34 | 0.55 | 0.66 | 2.3 | 0.53 | 0.3 | 53 |
| Forsmark area | Soil tubes | 'Higher' | 117 | <0.2 | 0.35 | 0.56 | 0.64 | 1.0 | 0.51 | 0.2 | 36 |
| Forsmark area | Soil tubes | 'Lower' | 78 | <0.2 | 0.28 | 0.52 | 0.70 | 2.3 | 0.55 | 0.4 | 69 |
| Forsmark area | Soil tubes | In lake | 34 | <0.2 | 0.28 | 0.60 | 0.75 | 1.5 | 0.55 | 0.3 | 61 |
| Forsmark area | Soil tubes | At sea | 10 | <0.2 | <0.2 | 0.34 | 0.54 | 1.3 | 0.43 | 0.4 | 91 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 20 | <0.2 | 0.30 | 0.50 | 0.57 | 0.90 | 0.46 | 0.2 | 43 |
| Forsmark area | Private wells | drilled | 29 | <0.2 | 0.34 | 0.50 | 0.81 | 1.3 | 0.58 | 0.3 | 60 |
| Simpevarp area | Private wells | excavated | 133 | 0.30 | 0.60 | 0.80 | 1.2 | 5.9 | 1.1 | 1.0 | 89 |
| Simpevarp area | Private wells | drilled | 289 | 0.20 | 1.2 | 1.7 | 3.4 | 6.1 | 2.3 | 1 | 62 |
| Simpevarp area | Soil tubes | All | 55 | <0.2 | 0.82 | 1.4 | 2.2 | 5.4 | 1.6 | 1 | 70 |
| Simpevarp area | Soil tubes | 'Higher' | 14 | 0.32 | 0.73 | 1.1 | 1.5 | 5.4 | 1.3 | 1 | 93 |
| Simpevarp area | Soil tubes | 'Lower' | 41 | <0.2 | 0.84 | 1.8 | 2.3 | 4.3 | 1.8 | 1 | 63 |
| Uppsala County | SGU well | excavated | 66 | 0.020 | 0.10 | 0.20 | 0.37 | 1.7 | 0.31 | 0.3 | 110 |
| Uppsala County | SGU well | drilled | 647 | 0.020 | 0.50 | 0.90 | 1.7 | 7.2 | 1.2 | 1 | 86 |
| Kalmar County | SGU well | excavated | 171 | 0.010 | 0.15 | 0.27 | 0.59 | 4.5 | 0.53 | 0.7 | 130 |
| Kalmar County | SGU well | drilled | 280 | 0.050 | 0.40 | 1.0 | 1.9 | 6.6 | 1.4 | 1 | 89 |
| Sweden | SGU well | excavated | 1464 | 0.010 | 0.10 | 0.21 | 0.44 | 5.0 | 0.38 | 0.5 | 130 |
| Sweden | SGU well | drilled | 9362 | 0.020 | 0.40 | 0.80 | 1.5 | 22 | 1.1 | 1 | 99 |

Ground Water

| Gd | | | Gadolinium (µg/l) | | | | | | | | Gd |
|------------------|--------------|----------|-------------------|--------|--------|------------------|-------|-------|--------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.30 | 0.39 | 0.43 | 0.51 | 0.94 | 0.50 | 0.2 | 46 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.35 | 0.38 | 0.41 | 0.45 | 0.75 | 0.46 | 0.1 | 32 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | 0.022 | 0.030 | 0.035 | 0.058 | 0.031 | 0.02 | 53 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.37 | 0.39 | 0.41 | 0.44 | 0.47 | 0.42 | 0.05 | 13 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.64 | 0.68 | 0.72 | 0.84 | 0.96 | 0.77 | 0.2 | 22 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.044 | 0.054 | 0.058 | 0.100 | 0.14 | 0.079 | 0.04 | 51 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.17 | 0.17 | 0.19 | 0.27 | 0.36 | 0.23 | 0.08 | 36 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.010 | 0.013 | 0.014 | 0.014 | 0.037 | 0.018 | 0.01 | 63 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.22 | 0.28 | 0.28 | 0.29 | 0.35 | 0.28 | 0.05 | 17 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.19 | 0.21 | 0.27 | 0.35 | 0.38 | 0.28 | 0.08 | 30 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.21 | 0.26 | 0.29 | 0.30 | 0.34 | 0.28 | 0.05 | 18 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.29 | 0.40 | 0.58 | 0.73 | 0.76 | 0.55 | 0.2 | 41 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.23 | 0.24 | 0.24 | 0.31 | 0.39 | 0.29 | 0.09 | 30 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.16 | 0.28 | 0.32 | 0.34 | 0.40 | 0.30 | 0.1 | 33 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.056 | 0.059 | 0.085 | 0.12 | 0.16 | 0.098 | 0.05 | 52 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.0046 | 0.0064 | 0.0080 | 0.032 | 0.099 | 0.030 | 0.05 | 150 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.48 | 0.62 | 0.64 | 0.81 | 1.0 | 0.72 | 0.2 | 30 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.11 | 0.11 | 0.12 | 0.13 | 0.13 | 0.12 | 0.01 | 12 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | 0.058 | 0.27 | 0.40 | 1.0 | 0.28 | 0.2 | 87 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | 0.14 | 0.28 | 0.38 | 0.96 | 0.29 | 0.2 | 72 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.59 | 1.0 | 0.28 | 0.3 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.044 | 1.2 | 2.7 | 3.8 | 13 | 3.6 | 4 | 100 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 2.4 | 2.9 | 3.3 | 6.5 | 9.7 | 5.1 | 4 | 77 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.044 | 0.90 | 2.0 | 3.6 | 13 | 3.3 | 4 | 110 |

| Hf | | | Hafnium (µg/l) | | | | | | | | Hf |
|------------------|--------------|----------|----------------|--------|--------|-----------------|--------|--------|--------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.088 | 0.11 | 0.13 | 0.14 | 0.18 | 0.13 | 0.03 | 24 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.19 | 0.20 | 0.21 | 0.22 | 0.29 | 0.22 | 0.04 | 18 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.001 | 19 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.031 | 0.034 | 0.036 | 0.037 | 0.037 | 0.035 | 0.003 | 9.4 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.017 | 0.019 | 0.020 | 0.090 | 0.16 | 0.065 | 0.08 | 120 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.0070 | 0.010 | 0.021 | 0.022 | 0.027 | 0.018 | 0.009 | 49 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.022 | 0.023 | 0.029 | 0.031 | 0.041 | 0.029 | 0.008 | 26 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.0074 | | | 0.0074 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.0060 | 0.0065 | 0.0069 | 0.0090 | 0.012 | 0.0081 | 0.002 | 31 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.016 | 0.021 | 0.021 | 0.021 | 0.023 | 0.021 | 0.003 | 13 |
| SFM0031 | HIGH (2:3) | not DS | 5 | <0.005 | 0.0056 | 0.0070 | 0.0073 | 0.0090 | 0.0063 | 0.002 | 39 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.085 | 0.087 | 0.10 | 0.11 | 0.11 | 0.099 | 0.01 | 12 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.088 | 0.12 | 0.15 | 0.16 | 0.17 | 0.14 | 0.04 | 27 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.017 | 0.019 | 0.020 | 0.029 | 0.038 | 0.025 | 0.01 | 45 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.11 | 0.12 | 0.14 | 0.18 | 0.22 | 0.15 | 0.05 | 33 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.050 | 0.055 | 0.057 | 0.060 | 0.068 | 0.058 | 0.007 | 13 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.004 | 0.0050 | 0.0060 | 0.018 | 0.055 | 0.017 | 0.03 | 150 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.049 | 0.049 | 0.053 | 0.057 | 0.062 | 0.054 | 0.006 | 10 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.013 | 0.016 | 0.018 | 0.020 | 0.022 | 0.018 | 0.005 | 25 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | <0.05 | <0.05 | 0.10 | 0.29 | 0.062 | 0.07 | 110 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | <0.05 | <0.05 | 0.11 | 0.29 | 0.068 | 0.07 | 110 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.056 | 0.17 | <0.05 | 0.05 | 110 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 53 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.05 | <0.05 | 0.053 | 0.12 | 0.28 | 0.082 | 0.08 | 94 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <0.05 | <0.05 | 0.072 | 0.18 | 0.28 | 0.13 | 0.1 | 110 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.05 | <0.05 | 0.051 | 0.10 | 0.21 | 0.073 | 0.06 | 86 |

Ground Water

| Ho | | | Holmium (µg/l) | | | | | | | | Ho |
|------------------|---------------|-----------|----------------------|--------|--------|------------------|--------|-------|--------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.051 | 0.069 | 0.077 | 0.086 | 0.15 | 0.084 | 0.03 | 39 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.073 | 0.083 | 0.090 | 0.10 | 0.13 | 0.094 | 0.02 | 19 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.003 | 63 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.054 | 0.059 | 0.064 | 0.069 | 0.073 | 0.064 | 0.010 | 15 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.094 | 0.099 | 0.10 | 0.12 | 0.15 | 0.11 | 0.03 | 24 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.0070 | 0.010 | 0.013 | 0.019 | 0.028 | 0.016 | 0.008 | 54 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.022 | 0.022 | 0.027 | 0.039 | 0.049 | 0.032 | 0.01 | 37 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.005 | 0.0053 | 0.0060 | 0.0065 | 0.011 | 0.0062 | 0.003 | 47 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.025 | 0.033 | 0.033 | 0.036 | 0.041 | 0.034 | 0.006 | 17 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.035 | 0.041 | 0.055 | 0.067 | 0.078 | 0.055 | 0.02 | 32 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.046 | 0.049 | 0.052 | 0.060 | 0.068 | 0.055 | 0.009 | 16 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.056 | 0.078 | 0.11 | 0.13 | 0.14 | 0.10 | 0.04 | 37 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.032 | 0.034 | 0.036 | 0.048 | 0.059 | 0.042 | 0.01 | 34 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.029 | 0.046 | 0.052 | 0.057 | 0.073 | 0.051 | 0.02 | 35 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.0090 | 0.011 | 0.014 | 0.018 | 0.024 | 0.015 | 0.007 | 45 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.005 | <0.005 | <0.005 | 0.0071 | 0.021 | 0.0070 | 0.009 | 130 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.071 | 0.094 | 0.094 | 0.12 | 0.17 | 0.11 | 0.04 | 34 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.019 | 0.020 | 0.021 | 0.023 | 0.025 | 0.022 | 0.003 | 14 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | <0.05 | <0.05 | 0.073 | 0.17 | <0.05 | 0.04 | 82 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | <0.05 | <0.05 | 0.070 | 0.15 | <0.05 | 0.03 | 71 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.092 | 0.17 | <0.05 | 0.05 | 110 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.0080 | 0.15 | 0.31 | 0.43 | 1.3 | 0.41 | 0.4 | 95 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.30 | 0.34 | 0.39 | 0.70 | 1.0 | 0.57 | 0.4 | 69 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.0080 | 0.12 | 0.27 | 0.43 | 1.3 | 0.37 | 0.4 | 100 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.024 | 0.034 | 0.049 | 0.070 | 0.32 | 0.076 | 0.08 | 110 |
| pH | | | pH (field) (pH unit) | | | | | | | | pH |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 1 | | | 6.76 | | | 6.76 | | |

Ground Water

| pH | | | pH (lab) (pH unit) | | | | | | | | pH |
|-------------------------|---------------|-----------|--------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 7.24 | 7.30 | 7.32 | 7.42 | 7.60 | 7.36 | 0.11 | 1.5 |
| SFM0002 | HIGH (2:1) | DS | 11 | 7.05 | 7.09 | 7.12 | 7.32 | 7.50 | 7.20 | 0.16 | 2.2 |
| SFM0003 | HIGH (2:1) | DS | 10 | 7.26 | 7.29 | 7.39 | 7.40 | 7.60 | 7.38 | 0.11 | 1.5 |
| SFM0005 | HIGH (Coast) | DS | 6 | 6.73 | 6.86 | 6.94 | 7.13 | 7.49 | 7.02 | 0.28 | 3.9 |
| SFM0006 | HIGH (5:1) | DS | 5 | 7.16 | 7.17 | 7.30 | 7.50 | 7.69 | 7.36 | 0.23 | 3.1 |
| SFM0008 | HIGH (5:1) | DS | 7 | 6.99 | 7.06 | 7.07 | 7.17 | 7.22 | 7.10 | 0.084 | 1.2 |
| SFM0009 | HIGH (2:6) | DS | 6 | 7.07 | 7.14 | 7.23 | 7.29 | 7.39 | 7.22 | 0.12 | 1.6 |
| SFM0012 | LOW (2:8) | Lake | 8 | 6.94 | 7.10 | 7.16 | 7.19 | 7.34 | 7.14 | 0.13 | 1.8 |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 7.65 | | | 7.65 | | |
| SFM0015 | LOW (2:10) | Lake | 7 | 7.15 | 7.21 | 7.28 | 7.36 | 7.50 | 7.30 | 0.12 | 1.7 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 7.58 | | | 7.58 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 7.15 | 7.27 | 7.35 | 7.39 | 7.39 | 7.31 | 0.11 | 1.5 |
| SFM0023 | LOW (2:3) | Lake | 7 | 6.38 | 6.59 | 6.64 | 6.81 | 6.92 | 6.68 | 0.19 | 2.8 |
| SFM0024 | LOW (Coast) | Sea | 2 | 7.08 | | 7.41 | | 7.74 | 7.41 | 0.47 | 6.3 |
| SFM0025 | LOW (Coast) | Sea | 7 | 6.99 | 7.04 | 7.05 | 7.07 | 7.13 | 7.05 | 0.044 | 0.62 |
| SFM0027 | LOW (8:1) | not DS | 7 | 7.64 | 7.65 | 7.68 | 7.82 | 7.95 | 7.74 | 0.13 | 1.7 |
| SFM0029 | HIGH (4:2) | not DS | 6 | 7.02 | 7.06 | 7.09 | 7.11 | 7.13 | 7.08 | 0.040 | 0.57 |
| SFM0031 | HIGH (2:3) | not DS | 7 | 6.98 | 7.14 | 7.17 | 7.24 | 7.35 | 7.18 | 0.12 | 1.6 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 7.03 | 7.11 | 7.21 | 7.33 | 7.52 | 7.23 | 0.17 | 2.3 |
| SFM0037 | LOW (2:1) | not DS | 7 | 6.98 | 7.03 | 7.05 | 7.13 | 7.32 | 7.09 | 0.11 | 1.6 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 6.71 | 6.83 | 6.94 | 6.95 | 6.95 | 6.87 | 0.14 | 2.0 |
| SFM0051 | HIGH (2:1) | DS | 6 | 7.27 | 7.35 | 7.43 | 7.49 | 7.65 | 7.44 | 0.13 | 1.8 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 7.13 | 7.26 | 7.31 | 7.47 | 7.69 | 7.37 | 0.20 | 2.8 |
| SFM0056 | LOW (Coast) | not DS | 6 | 7.36 | 7.81 | 7.92 | 8.01 | 8.04 | 7.84 | 0.25 | 3.2 |
| SFM0057 | LOW (2:8) | DS | 6 | 6.85 | 6.88 | 7.00 | 7.09 | 7.13 | 6.99 | 0.12 | 1.8 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 6.89 | | | 6.89 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 7.10 | 7.13 | 7.16 | 7.17 | 7.17 | 7.14 | 0.038 | 0.53 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 7.16 | 7.17 | 7.17 | 7.17 | 7.17 | 7.17 | 0.0058 | 0.081 |
| SFM0062 | LOW (2:3) | Lake | 3 | 7.21 | 7.22 | 7.22 | 7.29 | 7.36 | 7.26 | 0.084 | 1.2 |
| SFM0063 | LOW (2:3) | Lake | 2 | 7.40 | | 7.43 | | 7.45 | 7.43 | 0.035 | 0.48 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 7.52 | | | 7.52 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 7.29 | 7.32 | 7.34 | 7.36 | 7.51 | 7.36 | 0.070 | 0.95 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 178 | 6.38 | 7.08 | 7.22 | 7.39 | 8.04 | 7.25 | 0.27 | 3.7 |
| Forsmark area | Soil tubes | 'Higher' | 111 | 6.71 | 7.11 | 7.25 | 7.37 | 7.69 | 7.25 | 0.20 | 2.7 |
| Forsmark area | Soil tubes | 'Lower' | 67 | 6.38 | 7.04 | 7.17 | 7.40 | 8.04 | 7.24 | 0.36 | 5.0 |
| Forsmark area | Soil tubes | In lake | 32 | 6.38 | 6.97 | 7.21 | 7.35 | 7.52 | 7.14 | 0.29 | 4.1 |
| Forsmark area | Soil tubes | At sea | 9 | 6.99 | 7.05 | 7.07 | 7.08 | 7.74 | 7.13 | 0.23 | 3.2 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 18 | 6.70 | 6.95 | 7.40 | 7.68 | 8.20 | 7.34 | 0.44 | 5.9 |
| Forsmark area | Private wells | drilled | 26 | 6.60 | 6.99 | 7.12 | 7.30 | 8.20 | 7.20 | 0.36 | 5.0 |
| Simpevarp area | Private wells | excavated | 133 | 4.60 | 6.00 | 6.70 | 7.30 | 8.40 | 6.61 | 0.89 | 13 |
| Simpevarp area | Private wells | drilled | 287 | 5.90 | 7.20 | 7.70 | 8.10 | 9.90 | 7.66 | 0.71 | 9.3 |
| Simpevarp area | Soil tubes | All | 63 | 5.17 | 6.33 | 6.68 | 6.95 | 7.97 | 6.68 | 0.58 | 8.6 |
| Simpevarp area | Soil tubes | 'Higher' | 16 | 5.17 | 6.20 | 6.37 | 6.72 | 7.75 | 6.45 | 0.56 | 8.7 |
| Simpevarp area | Soil tubes | 'Lower' | 47 | 5.17 | 6.39 | 6.71 | 6.98 | 7.97 | 6.76 | 0.57 | 8.4 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 5.50 | 6.23 | 6.50 | 6.70 | 7.00 | 6.41 | 0.39 | 6.0 |
| Uppsala County | SGU well | excavated | 59 | 6.20 | 6.90 | 7.20 | 7.40 | 7.80 | 7.16 | 0.35 | 4.9 |
| Uppsala County | SGU well | drilled | 667 | 5.70 | 7.40 | 7.70 | 8.00 | 9.40 | 7.66 | 0.48 | 6.3 |
| Kalmar County | SGU well | excavated | 414 | 5.20 | 6.00 | 6.30 | 6.80 | 8.80 | 6.46 | 0.59 | 9.1 |
| Kalmar County | SGU well | drilled | 390 | 5.20 | 6.61 | 7.20 | 7.70 | 9.90 | 7.14 | 0.71 | 10.0 |
| Sweden | SGU well | excavated | 8948 | 3.90 | 6.00 | 6.40 | 6.90 | 9.70 | 6.48 | 0.65 | 10 |
| Sweden | SGU well | drilled | 13745 | 4.20 | 7.00 | 7.50 | 7.90 | 10.5 | 7.40 | 0.70 | 9.4 |

Ground Water

| Tr | | | Tritium (TU) | | | | | | | | Tr |
|-------------------------|---------------|-----------|--------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 3.00 | 11.8 | 12.2 | 12.5 | 15.3 | 11.6 | 3.2 | 28 |
| SFM0002 | HIGH (2:1) | DS | 10 | 9.60 | 10.8 | 11.6 | 12.7 | 13.7 | 11.7 | 1.3 | 11 |
| SFM0003 | HIGH (2:1) | DS | 10 | 3.00 | 14.0 | 14.6 | 15.5 | 24.9 | 14.7 | 5.3 | 36 |
| SFM0005 | HIGH (Coast) | DS | 5 | 11.0 | 11.2 | 11.3 | 11.7 | 11.8 | 11.4 | 0.34 | 3.0 |
| SFM0006 | HIGH (5:1) | DS | 4 | 7.80 | 9.15 | 10.5 | 11.5 | 12.0 | 10.2 | 1.9 | 18 |
| SFM0008 | HIGH (5:1) | DS | 7 | 8.10 | 10.2 | 10.4 | 10.9 | 12.2 | 10.4 | 1.2 | 12 |
| SFM0009 | HIGH (2:6) | DS | 7 | 10.6 | 11.2 | 11.7 | 12.1 | 12.6 | 11.6 | 0.73 | 6.3 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 0.400 | | | 0.400 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 2.00 | | | 2.00 | | |
| SFM0012 | LOW (2:8) | Lake | 8 | 0.400 | 0.400 | 1.05 | 2.80 | 12.4 | 3.01 | 4.4 | 150 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 7.00 | | | 7.00 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 13.5 | | | 13.5 | | |
| SFM0015 | LOW (2:10) | Lake | 7 | 0.400 | 3.70 | 4.20 | 4.65 | 8.00 | 4.19 | 2.2 | 54 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 13.8 | | | 13.8 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 7.80 | | | 7.80 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 7.10 | | | 7.10 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 12.7 | | | 12.7 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 10.1 | | | 10.1 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 12.0 | | | 12.0 | | |
| SFM0022 | LOW (8:1) | Lake | 2 | 1.00 | | 1.25 | | 1.50 | 1.25 | 0.35 | 28 |
| SFM0023 | LOW (2:3) | Lake | 7 | 2.40 | 2.45 | 2.70 | 3.35 | 12.8 | 4.21 | 3.8 | 90 |
| SFM0024 | LOW (Coast) | Sea | 3 | 4.80 | 8.50 | 12.2 | 12.9 | 13.5 | 10.2 | 4.7 | 46 |
| SFM0025 | LOW (Coast) | Sea | 7 | 5.00 | 6.50 | 7.90 | 8.85 | 14.5 | 8.30 | 3.1 | 38 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 15.7 | | | 15.7 | | |
| SFM0027 | LOW (8:1) | not DS | 7 | 8.90 | 9.80 | 10.2 | 11.7 | 12.3 | 10.6 | 1.3 | 12 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 15.5 | | | 15.5 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 10.7 | 11.0 | 11.8 | 13.2 | 13.7 | 12.0 | 1.3 | 11 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 11.8 | | | 11.8 | | |
| SFM0031 | HIGH (2:3) | not DS | 6 | 10.8 | 12.1 | 12.3 | 12.9 | 13.4 | 12.3 | 0.90 | 7.3 |
| SFM0032 | HIGH (2:3) | not DS | 8 | 5.60 | 10.3 | 12.3 | 12.6 | 15.6 | 11.4 | 2.9 | 26 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 12.9 | | | 12.9 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 11.5 | | | 11.5 | | |
| SFM0037 | LOW (2:1) | not DS | 6 | 11.2 | 11.9 | 12.8 | 13.2 | 13.6 | 12.6 | 0.94 | 7.5 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 9.60 | 12.1 | 13.1 | 13.2 | 13.3 | 12.3 | 1.8 | 14 |
| SFM0051 | HIGH (2:1) | DS | 5 | 7.30 | 10.2 | 10.4 | 11.0 | 11.5 | 10.1 | 1.6 | 16 |
| SFM0053 | HIGH (4:2) | not DS | 5 | 1.20 | 9.40 | 10.2 | 11.2 | 11.8 | 8.76 | 4.3 | 49 |
| SFM0056 | LOW (Coast) | not DS | 5 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | | |
| SFM0057 | LOW (2:8) | DS | 5 | 8.60 | 9.70 | 9.80 | 10.6 | 12.5 | 10.2 | 1.5 | 14 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 9.00 | | | 9.00 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 9.90 | 9.95 | 10.0 | 10.4 | 10.8 | 10.2 | 0.49 | 4.8 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 9.90 | 10.4 | 10.9 | 11.3 | 11.6 | 10.8 | 0.85 | 7.9 |
| SFM0062 | LOW (2:3) | Lake | 2 | 9.80 | | 9.90 | | 10.0 | 9.90 | 0.14 | 1.4 |
| SFM0063 | LOW (2:3) | Lake | 1 | | | 9.00 | | | 9.00 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 8.70 | 9.03 | 10.6 | 11.0 | 11.8 | 10.2 | 1.1 | 11 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 179 | 0.400 | 8.35 | 10.9 | 12.4 | 24.9 | 9.75 | 4.2 | 43 |
| Forsmark area | Soil tubes | 'Higher' | 112 | 0.400 | 10.4 | 11.6 | 12.5 | 24.9 | 11.4 | 2.9 | 25 |
| Forsmark area | Soil tubes | 'Lower' | 67 | 0.400 | 2.45 | 7.80 | 11.3 | 15.7 | 7.01 | 4.7 | 67 |
| Forsmark area | Soil tubes | In lake | 27 | 0.400 | 1.30 | 3.00 | 6.00 | 12.8 | 4.23 | 3.8 | 89 |
| Forsmark area | Soil tubes | At sea | 10 | 4.80 | 6.35 | 7.95 | 11.6 | 14.5 | 8.86 | 3.5 | 39 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 2 | 11.8 | | 12.5 | | 13.2 | 12.5 | 0.99 | 7.9 |
| Forsmark area | Private wells | drilled | 5 | 3.90 | 6.00 | 9.40 | 12.1 | 12.7 | 8.82 | 3.8 | 43 |
| Simpevarp area | Soil tubes | All | 39 | 0.400 | 11.0 | 12.0 | 13.3 | 14.8 | 11.4 | 3.3 | 29 |
| Simpevarp area | Soil tubes | 'Higher' | 10 | 11.0 | 12.2 | 13.0 | 13.4 | 13.6 | 12.7 | 0.89 | 7.0 |
| Simpevarp area | Soil tubes | 'Lower' | 29 | 0.400 | 10.7 | 11.8 | 12.9 | 14.8 | 10.9 | 3.7 | 34 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 10.5 | 13.7 | 14.4 | 15.4 | 21.6 | 14.7 | 2.1 | 15 |

| In | | | Indium ($\mu\text{g/l}$) | | | | | | | | In | |
|-------------------------|--------------|----------|----------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 1 | | | <0.3 | | | <0.3 | | | |
| SFM0002 | HIGH (2:1) | DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0003 | HIGH (2:1) | DS | 1 | | | <0.3 | | | <0.3 | | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | 0.13 | | | 0.13 | | | |
| SFM0009 | HIGH (2:6) | DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0027 | LOW (8:1) | not DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0029 | HIGH (4:2) | not DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0031 | HIGH (2:3) | not DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0032 | HIGH (2:3) | not DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0037 | LOW (2:1) | not DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0051 | HIGH (2:1) | DS | 2 | <0.05 | | <0.05 | | <0.05 | <0.05 | | | |
| SFM0053 | HIGH (4:2) | not DS | 2 | <0.05 | | <0.05 | | <0.05 | <0.05 | | | |
| SFM0056 | LOW (Coast) | not DS | 2 | <0.05 | | <0.05 | | <0.05 | <0.05 | | | |
| SFM0057 | LOW (2:8) | DS | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0060 | HIGH (Coast) | not DS | 1 | | | <0.05 | | | <0.05 | | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 19 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.04 | 100 | |
| Forsmark area | Soil tubes | 'Higher' | 14 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 100 | |
| Forsmark area | Soil tubes | 'Lower' | 5 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 18 | <0.05 | <0.05 | <0.05 | <0.05 | 0.070 | <0.05 | 0.01 | 38 | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | | |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.05 | <0.05 | <0.05 | <0.05 | 0.070 | <0.05 | 0.01 | 41 | |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.0025 | 0.0063 | 0.0084 | 0.019 | 0.043 | 0.013 | 0.01 | 89 | |

Ground Water

| | | | Iodide (mg/l) | | | | | | | | |
|-------------------------|---------------|----------|---------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 9 | 0.0050 | 0.0060 | 0.0080 | 0.0090 | 0.011 | 0.0077 | 0.002 | 28 |
| SFM0002 | HIGH (2:1) | DS | 10 | 0.0050 | 0.0060 | 0.0070 | 0.0088 | 0.016 | 0.0079 | 0.003 | 42 |
| SFM0003 | HIGH (2:1) | DS | 9 | 0.0040 | 0.0050 | 0.0050 | 0.0060 | 0.029 | 0.0080 | 0.008 | 100 |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.0050 | 0.0083 | 0.018 | 0.020 | 0.063 | 0.022 | 0.02 | 99 |
| SFM0006 | HIGH (5:1) | DS | 4 | 0.0030 | 0.0030 | 0.0030 | 0.0058 | 0.014 | 0.0058 | 0.006 | 96 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.001 | 0.0010 | 0.0010 | 0.0010 | 0.0070 | 0.0021 | 0.003 | 130 |
| SFM0009 | HIGH (2:6) | DS | 6 | 0.0030 | 0.0033 | 0.0045 | 0.0080 | 0.010 | 0.0057 | 0.003 | 54 |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 0.021 | | | 0.021 | | |
| SFM0012 | LOW (2:8) | Lake | 6 | 0.042 | 0.050 | 0.057 | 0.059 | 0.071 | 0.056 | 0.010 | 18 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 0.027 | | | 0.027 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 0.0060 | | | 0.0060 | | |
| SFM0015 | LOW (2:10) | Lake | 6 | 0.072 | 0.082 | 0.087 | 0.089 | 0.11 | 0.087 | 0.01 | 13 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 0.0060 | | | 0.0060 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 0.0080 | | | 0.0080 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 0.0060 | | | 0.0060 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 0.0070 | | | 0.0070 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 0.0030 | | | 0.0030 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 0.0020 | | | 0.0020 | | |
| SFM0022 | LOW (8:1) | Lake | 3 | 0.056 | 0.059 | 0.061 | 0.067 | 0.072 | 0.063 | 0.008 | 13 |
| SFM0023 | LOW (2:3) | Lake | 5 | 0.048 | 0.048 | 0.048 | 0.056 | 0.058 | 0.052 | 0.005 | 9.7 |
| SFM0024 | LOW (Coast) | Sea | 2 | 0.011 | | 0.012 | | 0.012 | 0.012 | 0.0007 | 6.1 |
| SFM0025 | LOW (Coast) | Sea | 5 | 0.021 | 0.028 | 0.029 | 0.030 | 0.033 | 0.028 | 0.004 | 16 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 0.0060 | | | 0.0060 | | |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.0050 | 0.0060 | 0.0065 | 0.0070 | 0.017 | 0.0080 | 0.004 | 56 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 0.0070 | | | 0.0070 | | |
| SFM0029 | HIGH (4:2) | not DS | 4 | 0.0070 | 0.0070 | 0.0075 | 0.0088 | 0.011 | 0.0083 | 0.002 | 23 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 0.0080 | | | 0.0080 | | |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.0040 | 0.0040 | 0.0040 | 0.0040 | 0.011 | 0.0054 | 0.003 | 58 |
| SFM0032 | HIGH (2:3) | not DS | 7 | 0.0040 | 0.0050 | 0.0050 | 0.0065 | 0.015 | 0.0067 | 0.004 | 57 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 0.0080 | | | 0.0080 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 0.0070 | | | 0.0070 | | |
| SFM0037 | LOW (2:1) | not DS | 5 | 0.0040 | 0.0050 | 0.0060 | 0.0070 | 0.014 | 0.0072 | 0.004 | 55 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.0020 | 0.0030 | 0.0040 | 0.0040 | 0.0040 | 0.0033 | 0.001 | 35 |
| SFM0051 | HIGH (2:1) | DS | 3 | 0.0050 | 0.0055 | 0.0060 | 0.0060 | 0.0060 | 0.0057 | 0.0006 | 10 |
| SFM0053 | HIGH (4:2) | not DS | 3 | 0.0070 | 0.0070 | 0.0070 | 0.0075 | 0.0080 | 0.0073 | 0.0006 | 7.9 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.010 | 0.011 | 0.012 | 0.012 | 0.012 | 0.011 | 0.0010 | 8.5 |
| SFM0057 | LOW (2:8) | DS | 4 | 0.010 | 0.012 | 0.013 | 0.013 | 0.014 | 0.012 | 0.002 | 14 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 0.0090 | | | 0.0090 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0020 | 0.0020 | 0.0020 | 0.0025 | 0.0030 | 0.0023 | 0.0006 | 25 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 0.0010 | 0.0015 | 0.0020 | 0.0020 | 0.0020 | 0.0017 | 0.0006 | 35 |
| SFM0062 | LOW (2:3) | Lake | 3 | 0.0060 | 0.0060 | 0.0060 | 0.0070 | 0.0080 | 0.0067 | 0.001 | 17 |
| SFM0063 | LOW (2:3) | Lake | 2 | 0.0070 | | 0.0085 | | 0.010 | 0.0085 | 0.002 | 25 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 0.0080 | | | 0.0080 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 0.0050 | 0.0050 | 0.0060 | 0.0060 | 0.0060 | 0.0056 | 0.0005 | 9.2 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 157 | <0.001 | 0.0050 | 0.0070 | 0.012 | 0.11 | 0.016 | 0.02 | 130 |
| Forsmark area | Soil tubes | 'Higher' | 98 | <0.001 | 0.0040 | 0.0060 | 0.0080 | 0.063 | 0.0070 | 0.007 | 100 |
| Forsmark area | Soil tubes | 'Lower' | 59 | 0.0040 | 0.0075 | 0.014 | 0.052 | 0.11 | 0.030 | 0.03 | 93 |
| Forsmark area | Soil tubes | In lake | 26 | 0.0060 | 0.044 | 0.056 | 0.072 | 0.11 | 0.052 | 0.03 | 56 |
| Forsmark area | Soil tubes | At sea | 7 | 0.011 | 0.017 | 0.028 | 0.030 | 0.033 | 0.023 | 0.009 | 38 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | drilled | 3 | 0.0070 | 0.0085 | 0.010 | 0.012 | 0.013 | 0.010 | 0.003 | 30 |
| Simpevarp area | Soil tubes | All | 17 | 0.0030 | 0.0060 | 0.010 | 0.016 | 0.050 | 0.013 | 0.01 | 90 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.0040 | 0.0050 | 0.0060 | 0.012 | 0.018 | 0.0093 | 0.008 | 81 |
| Simpevarp area | Soil tubes | 'Lower' | 14 | 0.0030 | 0.0060 | 0.011 | 0.016 | 0.050 | 0.014 | 0.01 | 90 |

Ground Water

| Fe(II) | | | Ferrous iron (mg/l) | | | | | | | | Fe(II) |
|-------------------------|--------------|----------|----------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|---------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 5 | 1.2 | 1.5 | 1.5 | 1.8 | 2.0 | 1.6 | 0.3 | 19 |
| SFM0002 | HIGH (2:1) | DS | 5 | 1.7 | 1.9 | 1.9 | 2.0 | 2.1 | 1.9 | 0.2 | 7.8 |
| SFM0003 | HIGH (2:1) | DS | 5 | 1.5 | 1.6 | 1.7 | 1.7 | 1.9 | 1.7 | 0.1 | 8.0 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.024 | 0.026 | 0.031 | 0.036 | 0.039 | 0.031 | 0.007 | 22 |
| SFM0006 | HIGH (5:1) | DS | 2 | 0.0030 | | 0.0040 | | 0.0050 | 0.0040 | 0.001 | 35 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.28 | 0.42 | 0.42 | 0.46 | 0.51 | 0.42 | 0.08 | 20 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.010 | 0.010 | 0.017 | 0.021 | 0.023 | 0.016 | 0.006 | 37 |
| SFM0027 | LOW (8:1) | not DS | 4 | 0.022 | 0.066 | 0.10 | 0.13 | 0.13 | 0.090 | 0.05 | 56 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.37 | 1.7 | 1.8 | 2.0 | 2.0 | 1.6 | 0.7 | 44 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.082 | 0.088 | 0.33 | 0.37 | 0.88 | 0.35 | 0.3 | 93 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 2.1 | 2.2 | 2.3 | 2.3 | 2.8 | 2.3 | 0.3 | 11 |
| SFM0037 | LOW (2:1) | not DS | 4 | 2.1 | 2.1 | 2.2 | 2.3 | 2.6 | 2.2 | 0.3 | 12 |
| SFM0049 | HIGH (Coast) | not DS | 2 | 1.3 | | 1.4 | | 1.5 | 1.4 | 0.1 | 11 |
| SFM0051 | HIGH (2:1) | DS | 4 | 3.5 | 3.6 | 3.6 | 3.7 | 3.8 | 3.7 | 0.1 | 3.8 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 3.2 | 3.4 | 3.6 | 3.7 | 3.7 | 3.5 | 0.2 | 6.5 |
| SFM0057 | LOW (2:8) | DS | 4 | 0.038 | 0.073 | 0.12 | 0.15 | 0.15 | 0.11 | 0.05 | 52 |
| SFM0060 | HIGH (Coast) | not DS | 3 | <0.002 | 0.0030 | 0.0050 | 0.011 | 0.016 | 0.0073 | 0.008 | 110 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 71 | <0.002 | 0.083 | 1.5 | 2.0 | 3.8 | 1.3 | 1 | 94 |
| Forsmark area | Soil tubes | 'Higher' | 59 | <0.002 | 0.085 | 1.5 | 2.0 | 3.8 | 1.4 | 1 | 88 |
| Forsmark area | Soil tubes | 'Lower' | 12 | 0.022 | 0.083 | 0.14 | 2.1 | 2.6 | 0.81 | 1 | 130 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 25 | 0.17 | 0.96 | 1.9 | 4.1 | 8.4 | 2.7 | 2 | 85 |
| Simpevarp area | Soil tubes | 'Higher' | 5 | 1.7 | 1.8 | 2.5 | 4.1 | 6.4 | 3.3 | 2 | 60 |
| Simpevarp area | Soil tubes | 'Lower' | 20 | 0.17 | 0.71 | 1.8 | 3.4 | 8.4 | 2.6 | 2 | 94 |

Ground Water

| Fe | | | Iron (total ICP) (mg/l) | | | | | | | | Fe |
|-------------------------|---------------|-----------|-------------------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 9 | 1.1 | 1.4 | 1.7 | 1.8 | 2.2 | 1.6 | 0.4 | 24 |
| SFM0002 | HIGH (2:1) | DS | 9 | 1.1 | 1.5 | 1.8 | 2.3 | 3.5 | 1.9 | 0.7 | 36 |
| SFM0003 | HIGH (2:1) | DS | 8 | 1.1 | 1.4 | 1.5 | 1.6 | 5.7 | 2.0 | 2 | 77 |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.043 | 0.051 | 0.058 | 0.12 | 0.17 | 0.085 | 0.05 | 61 |
| SFM0006 | HIGH (5:1) | DS | 5 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.003 | 33 |
| SFM0008 | HIGH (5:1) | DS | 6 | 0.29 | 0.39 | 0.43 | 0.56 | 0.75 | 0.48 | 0.2 | 35 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.019 | 0.029 | 0.039 | 0.049 | 0.20 | 0.067 | 0.08 | 110 |
| SFM0012 | LOW (2:8) | Lake | 4 | 3.9 | 4.1 | 7.1 | 10 | 11 | 7.2 | 4 | 51 |
| SFM0015 | LOW (2:10) | Lake | 3 | 0.22 | 3.0 | 5.7 | 8.3 | 11 | 5.6 | 5 | 95 |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 0.055 | | | 0.055 | | |
| SFM0022 | LOW (8:1) | Lake | 2 | <0.02 | | 6.8 | | 14 | 6.8 | 10 | 140 |
| SFM0023 | LOW (2:3) | Lake | 3 | 24 | 25 | 25 | 29 | 33 | 27 | 5 | 17 |
| SFM0025 | LOW (Coast) | Sea | 3 | 6.2 | 6.4 | 6.5 | 7.4 | 8.3 | 7.0 | 1 | 16 |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.026 | 0.057 | 0.079 | 0.17 | 0.25 | 0.11 | 0.09 | 78 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 1.5 | 1.6 | 1.9 | 2.1 | 2.2 | 1.8 | 0.3 | 16 |
| SFM0031 | HIGH (2:3) | not DS | 6 | 0.055 | 0.12 | 0.28 | 0.34 | 0.92 | 0.33 | 0.3 | 97 |
| SFM0032 | HIGH (2:3) | not DS | 6 | 0.63 | 1.9 | 2.1 | 2.2 | 2.5 | 1.9 | 0.7 | 35 |
| SFM0037 | LOW (2:1) | not DS | 5 | 1.9 | 2.1 | 2.3 | 2.8 | 3.2 | 2.5 | 0.5 | 21 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 | 1.3 | 0.1 | 7.7 |
| SFM0051 | HIGH (2:1) | DS | 5 | 0.28 | 4.1 | 6.6 | 8.3 | 18 | 7.4 | 6 | 88 |
| SFM0053 | HIGH (4:2) | not DS | 5 | 0.16 | 2.7 | 3.1 | 3.4 | 10.0 | 3.9 | 4 | 94 |
| SFM0056 | LOW (Coast) | not DS | 5 | 0.0046 | 0.28 | 0.35 | 2.7 | 510 | 100 | 200 | 220 |
| SFM0057 | LOW (2:8) | DS | 6 | 0.043 | 0.13 | 0.15 | 0.15 | 0.17 | 0.13 | 0.05 | 35 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0091 | 0.015 | 0.020 | 0.021 | 0.023 | 0.017 | 0.007 | 42 |
| SFM0062 | LOW (2:3) | Lake | 3 | <0.02 | 2.2 | 4.4 | 6.9 | 9.4 | 4.6 | 5 | 100 |
| SFM0063 | LOW (2:3) | Lake | 2 | <0.02 | | 5.2 | | 10 | 5.2 | 7 | 140 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | <0.02 | | | <0.02 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 1.1 | 1.1 | 1.2 | 1.3 | 1.6 | 1.2 | 0.2 | 13 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 135 | <0.02 | 0.16 | 1.3 | 2.3 | 510 | 6.3 | 40 | 690 |
| Forsmark area | Soil tubes | 'Higher' | 92 | <0.02 | 0.25 | 1.2 | 1.8 | 18 | 1.6 | 2 | 150 |
| Forsmark area | Soil tubes | 'Lower' | 43 | <0.02 | 0.13 | 2.1 | 7.4 | 510 | 17 | 80 | 470 |
| Forsmark area | Soil tubes | In lake | 18 | <0.02 | 1.1 | 7.6 | 11 | 33 | 9.2 | 10 | 100 |
| Forsmark area | Soil tubes | At sea | 3 | 6.2 | 6.4 | 6.5 | 7.4 | 8.3 | 7.0 | 1 | 16 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 16 | 0.030 | 0.16 | 0.38 | 1.2 | 32 | 2.7 | 8 | 290 |
| Forsmark area | Private wells | drilled | 19 | 0.10 | 0.34 | 0.94 | 2.8 | 12 | 2.1 | 3 | 130 |
| Simpevarp area | Private wells | excavated | 134 | 0.020 | 0.16 | 0.36 | 1.1 | 9.4 | 0.99 | 1 | 150 |
| Simpevarp area | Private wells | drilled | 291 | | 0.090 | 0.24 | 0.73 | 35 | 0.87 | 2 | 280 |
| Simpevarp area | Soil tubes | All | 41 | 0.33 | 2.3 | 5.8 | 9.4 | 42 | 7.7 | 8 | 100 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 0.99 | 6.2 | 8.7 | 9.0 | 42 | 10 | 10 | 110 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 0.33 | 2.1 | 3.8 | 10 | 21 | 6.8 | 6 | 96 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 0.064 | 0.63 | 1.6 | 4.4 | 31 | 3.9 | 7 | 170 |
| Uppsala County | SGU well | excavated | 66 | <0.02 | <0.02 | 0.040 | 0.090 | 3.5 | 0.14 | 0.4 | 310 |
| Uppsala County | SGU well | drilled | 672 | <0.02 | 0.050 | 0.12 | 0.28 | 16 | 0.32 | 0.9 | 300 |
| Kalmar County | SGU well | excavated | 342 | <0.02 | 0.060 | 0.14 | 0.37 | 7.3 | 0.38 | 0.7 | 190 |
| Kalmar County | SGU well | drilled | 384 | <0.02 | 0.060 | 0.15 | 0.40 | 34 | 0.68 | 2 | 320 |
| Sweden | SGU well | excavated | 4555 | <0.02 | 0.025 | 0.10 | 0.31 | 33 | 0.50 | 2 | 320 |
| Sweden | SGU well | drilled | 11091 | <0.02 | 0.060 | 0.19 | 0.52 | 84 | 0.69 | 2 | 300 |

Ground Water

| Fe | | | Iron (total spectrometric) (mg/l) | | | | | | | | Fe |
|-------------------------|--------------|----------|-----------------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 5 | 1.3 | 1.5 | 1.5 | 1.9 | 2.0 | 1.6 | 0.3 | 18 |
| SFM0002 | HIGH (2:1) | DS | 5 | 1.8 | 1.9 | 1.9 | 2.2 | 2.2 | 2.0 | 0.2 | 9.2 |
| SFM0003 | HIGH (2:1) | DS | 5 | 1.5 | 1.6 | 1.6 | 1.8 | 1.9 | 1.7 | 0.1 | 8.0 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.053 | 0.055 | 0.056 | 0.058 | 0.065 | 0.057 | 0.005 | 9.3 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.010 | 0.012 | 0.014 | 0.016 | 0.018 | 0.014 | 0.004 | 29 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.31 | 0.44 | 0.45 | 0.49 | 0.51 | 0.44 | 0.08 | 17 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.025 | 0.027 | 0.029 | 0.030 | 0.058 | 0.034 | 0.01 | 40 |
| SFM0027 | LOW (8:1) | not DS | 4 | 0.049 | 0.087 | 0.12 | 0.15 | 0.16 | 0.11 | 0.05 | 45 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.38 | 1.7 | 1.8 | 2.0 | 2.2 | 1.6 | 0.7 | 44 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.092 | 0.092 | 0.33 | 0.37 | 0.93 | 0.36 | 0.3 | 94 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 2.1 | 2.1 | 2.3 | 2.4 | 2.8 | 2.3 | 0.3 | 11 |
| SFM0037 | LOW (2:1) | not DS | 4 | 2.1 | 2.2 | 2.2 | 2.3 | 2.7 | 2.3 | 0.2 | 11 |
| SFM0049 | HIGH (Coast) | not DS | 2 | 1.3 | | 1.4 | | 1.5 | 1.4 | 0.1 | 9.8 |
| SFM0051 | HIGH (2:1) | DS | 4 | 3.5 | 3.5 | 3.6 | 3.7 | 3.9 | 3.6 | 0.2 | 4.7 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.6 | 0.2 | 4.8 |
| SFM0057 | LOW (2:8) | DS | 4 | 0.058 | 0.094 | 0.13 | 0.16 | 0.17 | 0.12 | 0.05 | 42 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0060 | 0.011 | 0.016 | 0.017 | 0.017 | 0.013 | 0.006 | 47 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 72 | 0.0060 | 0.092 | 1.4 | 2.1 | 3.9 | 1.3 | 1 | 94 |
| Forsmark area | Soil tubes | 'Higher' | 60 | 0.0060 | 0.085 | 1.5 | 2.1 | 3.9 | 1.4 | 1 | 89 |
| Forsmark area | Soil tubes | 'Lower' | 12 | 0.049 | 0.10 | 0.16 | 2.1 | 2.7 | 0.84 | 1 | 130 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 25 | 0.19 | 1.1 | 2.0 | 4.8 | 8.3 | 3.1 | 2 | 82 |
| Simpevarp area | Soil tubes | 'Higher' | 5 | 1.9 | 2.0 | 2.8 | 4.8 | 7.7 | 3.8 | 2 | 64 |
| Simpevarp area | Soil tubes | 'Lower' | 20 | 0.19 | 0.86 | 2.0 | 4.5 | 8.3 | 2.9 | 3 | 89 |

| La | | | Lanthanum (µg/l) | | | | | | | | La |
|-------------------------|--------------|----------|------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 1.8 | 2.2 | 2.6 | 3.4 | 7.1 | 3.3 | 2 | 59 |
| SFM0002 | HIGH (2:1) | DS | 6 | 1.7 | 2.2 | 2.4 | 2.6 | 5.1 | 2.7 | 1 | 44 |
| SFM0003 | HIGH (2:1) | DS | 6 | 0.17 | 0.17 | 0.19 | 0.26 | 0.51 | 0.25 | 0.1 | 53 |
| SFM0005 | HIGH (Coast) | DS | 3 | 3.0 | 3.5 | 4.0 | 4.1 | 4.1 | 3.7 | 0.6 | 17 |
| SFM0006 | HIGH (5:1) | DS | 2 | 5.6 | | 6.2 | | 6.9 | 6.2 | 0.9 | 15 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.39 | 0.46 | 0.55 | 0.63 | 0.68 | 0.54 | 0.1 | 22 |
| SFM0009 | HIGH (2:6) | DS | 5 | 1.4 | 1.6 | 1.7 | 1.9 | 2.5 | 1.8 | 0.4 | 23 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.0097 | | | 0.0097 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.029 | 0.031 | 0.049 | 0.052 | 0.12 | 0.056 | 0.04 | 67 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 1.8 | 2.2 | 2.3 | 2.5 | 3.1 | 2.4 | 0.5 | 21 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 1.5 | 1.5 | 1.9 | 2.4 | 2.8 | 2.0 | 0.6 | 28 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 1.1 | 1.6 | 1.9 | 1.9 | 2.2 | 1.7 | 0.4 | 24 |
| SFM0037 | LOW (2:1) | not DS | 4 | 1.5 | 2.1 | 3.1 | 4.0 | 4.6 | 3.1 | 1 | 46 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 1.6 | 1.6 | 1.7 | 2.4 | 3.1 | 2.1 | 0.8 | 40 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.85 | 1.4 | 1.8 | 2.0 | 2.4 | 1.7 | 0.6 | 38 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.31 | 0.41 | 0.54 | 0.73 | 0.98 | 0.59 | 0.3 | 49 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.028 | 0.041 | 0.049 | 0.21 | 0.66 | 0.20 | 0.3 | 160 |
| SFM0057 | LOW (2:8) | DS | 5 | 4.3 | 5.2 | 5.9 | 5.9 | 6.0 | 5.5 | 0.7 | 13 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.82 | 0.95 | 1.1 | 1.1 | 1.1 | 1.0 | 0.2 | 16 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 84 | <0.05 | 0.49 | 1.7 | 2.5 | 7.1 | 1.9 | 2 | 90 |
| Forsmark area | Soil tubes | 'Higher' | 62 | 0.17 | 0.88 | 1.8 | 2.5 | 7.1 | 2.0 | 1 | 75 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | 0.087 | 4.2 | 6.0 | 1.8 | 2 | 130 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 44 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.25 | 8.7 | 19 | 31 | 96 | 26 | 20 | 94 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 17 | 19 | 22 | 35 | 47 | 29 | 20 | 57 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.25 | 7.0 | 16 | 30 | 96 | 25 | 30 | 100 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.32 | 1.2 | 2.1 | 3.3 | 12 | 3.0 | 3 | 100 |

Ground Water

| Pb | | | Lead (µg/l) | | | | | | | | Pb |
|------------------|--------------|----------|-------------|-------|-------|-----------------|-------|-------|-------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 7 | 0.069 | 0.11 | 0.19 | 0.26 | 0.29 | 0.18 | 0.09 | 49 |
| SFM0002 | HIGH (2:1) | DS | 7 | 0.054 | 0.069 | 0.13 | 0.13 | 0.23 | 0.12 | 0.06 | 52 |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.031 | 0.052 | 0.075 | 0.12 | 0.16 | 0.086 | 0.05 | 56 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.088 | 0.12 | 0.15 | 0.18 | 0.22 | 0.15 | 0.06 | 38 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.058 | 0.11 | 0.15 | 0.26 | 0.37 | 0.19 | 0.2 | 82 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.012 | 0.022 | 0.027 | 0.055 | 0.059 | 0.035 | 0.02 | 60 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.058 | 0.095 | 0.10 | 0.21 | 0.29 | 0.15 | 0.09 | 63 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.1 | | | <0.1 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.01 | | | <0.01 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.1 | | | <0.1 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.1 | | | <0.1 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.017 | 0.029 | 0.030 | 0.053 | 0.077 | 0.041 | 0.02 | 58 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.019 | 0.021 | 0.037 | 0.060 | 0.15 | 0.057 | 0.05 | 94 |
| SFM0031 | HIGH (2:3) | not DS | 5 | <0.01 | <0.01 | 0.019 | 0.020 | 0.078 | 0.025 | 0.03 | 120 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.028 | 0.032 | 0.036 | 0.036 | 0.10 | 0.046 | 0.03 | 65 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.021 | 0.041 | 0.050 | 0.054 | 0.064 | 0.046 | 0.02 | 39 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.079 | 0.080 | 0.081 | 0.19 | 0.29 | 0.15 | 0.1 | 82 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.43 | 0.56 | 0.78 | 1.1 | 1.4 | 0.84 | 0.4 | 49 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.18 | 0.22 | 0.35 | 0.49 | 0.56 | 0.36 | 0.2 | 50 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.077 | 0.079 | 0.14 | 0.30 | 0.62 | 0.24 | 0.3 | 110 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.083 | 0.095 | 0.24 | 0.34 | 0.44 | 0.24 | 0.2 | 64 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.031 | 0.034 | 0.036 | 0.074 | 0.11 | 0.060 | 0.05 | 76 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 89 | <0.1 | <0.1 | <0.1 | 0.18 | 1.4 | 0.15 | 0.2 | 140 |
| Forsmark area | Soil tubes | 'Higher' | 67 | <0.1 | <0.1 | <0.1 | 0.19 | 1.4 | 0.16 | 0.2 | 140 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.1 | <0.1 | <0.1 | <0.1 | 0.62 | 0.12 | 0.2 | 130 |
| Forsmark area | Soil tubes | In lake | 3 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.03 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.1 | | | <0.1 | | |

Ground Water

| Li | | | Lithium (mg/l) | | | | | | | | Li |
|-------------------------|---------------|-----------|----------------|------------|-------------|------------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 0.0090 | 0.013 | 0.016 | 0.018 | 0.023 | 0.015 | 0.004 | 29 |
| SFM0002 | HIGH (2:1) | DS | 11 | <0.004 | <0.004 | <0.004 | 0.0050 | 0.0060 | <0.004 | 0.002 | 43 |
| SFM0003 | HIGH (2:1) | DS | 9 | 0.013 | 0.014 | 0.015 | 0.016 | 0.020 | 0.015 | 0.002 | 14 |
| SFM0005 | HIGH (Coast) | DS | 6 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0080 | <0.004 | 0.002 | 76 |
| SFM0006 | HIGH (5:1) | DS | 5 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0005 | 21 |
| SFM0008 | HIGH (5:1) | DS | 7 | 0.0040 | 0.0095 | 0.011 | 0.011 | 0.013 | 0.0099 | 0.003 | 30 |
| SFM0009 | HIGH (2:6) | DS | 7 | <0.004 | <0.004 | 0.0040 | 0.0040 | 0.0080 | <0.004 | 0.002 | 53 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | <0.004 | | | <0.004 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 0.026 | | | 0.026 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 0.031 | 0.032 | 0.034 | 0.035 | 0.037 | 0.034 | 0.002 | 5.6 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 0.025 | | | 0.025 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 0.0050 | | | 0.0050 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 0.015 | 0.018 | 0.018 | 0.020 | 0.026 | 0.019 | 0.004 | 19 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | <0.004 | | | <0.004 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 0.0070 | | | 0.0070 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | <0.004 | | | <0.004 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 0.0050 | | | 0.0050 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 0.0050 | | | 0.0050 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 0.0070 | | | 0.0070 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 0.019 | 0.024 | 0.026 | 0.028 | 0.030 | 0.025 | 0.005 | 18 |
| SFM0023 | LOW (2:3) | Lake | 8 | 0.047 | 0.052 | 0.054 | 0.057 | 0.060 | 0.054 | 0.004 | 8.3 |
| SFM0024 | LOW (Coast) | Sea | 3 | 0.026 | 0.028 | 0.029 | 0.029 | 0.029 | 0.028 | 0.002 | 6.2 |
| SFM0025 | LOW (Coast) | Sea | 8 | 0.015 | 0.022 | 0.023 | 0.023 | 0.025 | 0.022 | 0.003 | 14 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 0.010 | | | 0.010 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 0.0060 | 0.010 | 0.011 | 0.012 | 0.014 | 0.011 | 0.002 | 22 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 0.0070 | | | 0.0070 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 0.0060 | 0.0073 | 0.0080 | 0.0088 | 0.013 | 0.0085 | 0.002 | 29 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 0.011 | | | 0.011 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 0.0090 | 0.010 | 0.011 | 0.011 | 0.012 | 0.011 | 0.0010 | 9.2 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 0.0060 | 0.0060 | 0.0070 | 0.0070 | 0.012 | 0.0073 | 0.002 | 26 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 0.014 | | | 0.014 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 0.014 | | | 0.014 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 0.0080 | 0.0085 | 0.011 | 0.013 | 0.017 | 0.011 | 0.003 | 29 |
| SFM0049 | HIGH (Coast) | not DS | 4 | <0.004 | <0.004 | <0.004 | 0.0045 | 0.0090 | 0.0040 | 0.003 | 84 |
| SFM0051 | HIGH (2:1) | DS | 6 | 0.0060 | 0.0063 | 0.0070 | 0.0078 | 0.0080 | 0.0070 | 0.0009 | 13 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 0.0060 | 0.0075 | 0.0090 | 0.0098 | 0.016 | 0.0095 | 0.004 | 37 |
| SFM0056 | LOW (Coast) | not DS | 6 | 0.0060 | 0.016 | 0.017 | 0.019 | 0.024 | 0.017 | 0.006 | 36 |
| SFM0057 | LOW (2:8) | DS | 6 | <0.004 | <0.004 | <0.004 | <0.004 | 0.0040 | <0.004 | 0.001 | 55 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 0.021 | | | 0.021 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0040 | 0.0040 | 0.0040 | 0.0045 | 0.0050 | 0.0043 | 0.0006 | 13 |
| SFM0061 | HIGH (7:2) | not DS | 3 | <0.004 | <0.004 | 0.0040 | 0.0045 | 0.0050 | <0.004 | 0.002 | 42 |
| SFM0062 | LOW (2:3) | Lake | 3 | 0.0060 | 0.0065 | 0.0070 | 0.0070 | 0.0070 | 0.0067 | 0.0006 | 8.7 |
| SFM0063 | LOW (2:3) | Lake | 2 | 0.0050 | | 0.0085 | | 0.012 | 0.0085 | 0.005 | 58 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 0.013 | | | 0.013 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 0.0060 | 0.0070 | 0.0070 | 0.0070 | 0.0080 | 0.0071 | 0.0006 | 8.0 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 198 | <0.004 | 0.0060 | 0.0090 | 0.017 | 0.060 | 0.013 | 0.01 | 90 |
| Forsmark area | Soil tubes | 'Higher' | 118 | <0.004 | 0.0040 | 0.0070 | 0.011 | 0.023 | 0.0078 | 0.005 | 61 |
| Forsmark area | Soil tubes | 'Lower' | 80 | <0.004 | 0.011 | 0.018 | 0.028 | 0.060 | 0.021 | 0.01 | 69 |
| Forsmark area | Soil tubes | In lake | 35 | 0.0050 | 0.018 | 0.030 | 0.036 | 0.060 | 0.030 | 0.02 | 54 |
| Forsmark area | Soil tubes | At sea | 11 | 0.015 | 0.022 | 0.023 | 0.026 | 0.029 | 0.024 | 0.004 | 17 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 6 | <0.004 | <0.004 | 0.0070 | 0.016 | 0.019 | 0.0092 | 0.008 | 87 |
| Forsmark area | Private wells | drilled | 14 | 0.0070 | 0.016 | 0.027 | 0.041 | 0.048 | 0.028 | 0.01 | 52 |
| Simpevarp area | Soil tubes | All | 41 | <0.004 | 0.0090 | 0.014 | 0.023 | 0.048 | 0.016 | 0.01 | 68 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | <0.004 | 0.0060 | 0.0090 | 0.014 | 0.020 | 0.0097 | 0.006 | 62 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | <0.004 | 0.0093 | 0.017 | 0.025 | 0.048 | 0.018 | 0.01 | 62 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 0.0020 | 0.011 | 0.018 | 0.026 | 0.15 | 0.026 | 0.03 | 120 |

Ground Water

| Lu | | | Lutetium (µg/l) | | | | | | | | Lu |
|-------------------------|--------------|----------|-----------------|------------|-------------|------------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | <0.02 | 0.028 | 0.033 | 0.038 | 0.061 | 0.034 | 0.02 | 49 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.044 | 0.050 | 0.054 | 0.057 | 0.066 | 0.054 | 0.008 | 14 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.003 | 78 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.019 | 0.020 | 0.021 | 0.023 | 0.025 | 0.022 | 0.003 | 13 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.031 | 0.032 | 0.034 | 0.039 | 0.044 | 0.036 | 0.007 | 18 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.005 | <0.005 | <0.005 | 0.0084 | 0.012 | 0.0055 | 0.004 | 78 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.0080 | 0.0080 | 0.010 | 0.013 | 0.016 | 0.011 | 0.003 | 32 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0063 | <0.005 | 0.002 | 52 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.0080 | 0.0098 | 0.010 | 0.011 | 0.014 | 0.010 | 0.002 | 19 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.013 | 0.014 | 0.022 | 0.024 | 0.026 | 0.020 | 0.006 | 31 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.023 | 0.026 | 0.027 | 0.031 | 0.032 | 0.028 | 0.004 | 14 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.025 | 0.037 | 0.052 | 0.063 | 0.064 | 0.048 | 0.02 | 39 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.012 | 0.013 | 0.013 | 0.017 | 0.021 | 0.015 | 0.005 | 32 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.017 | 0.022 | 0.026 | 0.030 | 0.038 | 0.027 | 0.009 | 33 |
| SFM0053 | HIGH (4:2) | not DS | 4 | <0.005 | <0.005 | <0.005 | 0.0065 | 0.0088 | <0.005 | 0.003 | 62 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0059 | <0.005 | 0.002 | 56 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.026 | 0.034 | 0.034 | 0.042 | 0.054 | 0.038 | 0.01 | 27 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0070 | 0.0074 | 0.0077 | 0.0084 | 0.0090 | 0.0079 | 0.001 | 13 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | <0.05 | <0.05 | <0.05 | 0.066 | <0.05 | 0.02 | 84 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | <0.05 | <0.05 | <0.05 | 0.066 | <0.05 | 0.02 | 80 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | <0.05 | 0.064 | <0.05 | 0.02 | 94 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.0058 | 0.073 | 0.12 | 0.18 | 0.51 | 0.15 | 0.1 | 85 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.14 | 0.14 | 0.15 | 0.23 | 0.32 | 0.20 | 0.1 | 50 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.0058 | 0.058 | 0.12 | 0.18 | 0.51 | 0.14 | 0.1 | 95 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.019 | 0.021 | 0.024 | 0.043 | 0.18 | 0.043 | 0.04 | 100 |

Ground Water

| Mg | | | Magnesium (mg/l) | | | | | | | | Mg |
|-------------------------|---------------|-----------|-------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 22 | 32 | 35 | 41 | 52 | 36 | 10 | 27 |
| SFM0002 | HIGH (2:1) | DS | 11 | 7.4 | 7.7 | 8.0 | 9.4 | 12 | 8.6 | 1 | 16 |
| SFM0003 | HIGH (2:1) | DS | 10 | 25 | 26 | 26 | 27 | 31 | 27 | 2 | 6.5 |
| SFM0005 | HIGH (Coast) | DS | 6 | 4.7 | 4.9 | 5.3 | 5.9 | 6.2 | 5.4 | 0.6 | 12 |
| SFM0006 | HIGH (5:1) | DS | 5 | 8.0 | 8.7 | 10 | 13 | 14 | 11 | 3 | 24 |
| SFM0008 | HIGH (5:1) | DS | 7 | 12 | 16 | 18 | 18 | 18 | 17 | 2 | 13 |
| SFM0009 | HIGH (2:6) | DS | 7 | 5.5 | 5.6 | 5.8 | 6.2 | 7.8 | 6.1 | 0.8 | 14 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 4.2 | | | 4.2 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 72 | | | 72 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 88 | 89 | 91 | 93 | 97 | 91 | 3 | 3.2 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 96 | | | 96 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 7.1 | | | 7.1 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 57 | 59 | 61 | 62 | 96 | 65 | 10 | 20 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 7.5 | | | 7.5 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 11 | | | 11 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 4.4 | | | 4.4 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 9.6 | | | 9.6 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 8.1 | | | 8.1 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 12 | | | 12 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 49 | 58 | 62 | 65 | 68 | 60 | 8 | 14 |
| SFM0023 | LOW (2:3) | Lake | 8 | 170 | 170 | 170 | 180 | 180 | 170 | 3 | 1.8 |
| SFM0024 | LOW (Coast) | Sea | 3 | 110 | 120 | 120 | 120 | 120 | 120 | 6 | 4.7 |
| SFM0025 | LOW (Coast) | Sea | 8 | 41 | 75 | 78 | 80 | 82 | 74 | 10 | 18 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 13 | | | 13 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 12 | 12 | 13 | 14 | 14 | 13 | 1 | 7.8 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 12 | | | 12 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 11 | 11 | 12 | 13 | 13 | 12 | 1.0 | 8.1 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 19 | | | 19 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 16 | 17 | 18 | 20 | 21 | 18 | 2 | 9.9 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 7.8 | 8.4 | 8.8 | 8.9 | 9.7 | 8.7 | 0.5 | 6.3 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 36 | | | 36 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 33 | | | 33 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 18 | 21 | 24 | 29 | 33 | 25 | 6 | 24 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 4.2 | 4.4 | 4.4 | 4.5 | 4.7 | 4.4 | 0.2 | 4.7 |
| SFM0051 | HIGH (2:1) | DS | 6 | 6.7 | 7.0 | 7.2 | 7.7 | 7.9 | 7.3 | 0.5 | 7.0 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 9.8 | 11 | 11 | 11 | 11 | 11 | 0.5 | 5.1 |
| SFM0056 | LOW (Coast) | not DS | 6 | 9.8 | 20 | 20 | 21 | 21 | 19 | 4 | 23 |
| SFM0057 | LOW (2:8) | DS | 6 | 5.2 | 7.4 | 9.0 | 11 | 13 | 9.2 | 3 | 32 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 43 | | | 43 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 7.7 | 8.0 | 8.3 | 8.7 | 9.1 | 8.4 | 0.7 | 8.4 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 6.5 | 6.5 | 6.5 | 7.0 | 7.5 | 6.8 | 0.6 | 8.4 |
| SFM0062 | LOW (2:3) | Lake | 3 | 7.4 | 8.0 | 8.5 | 8.8 | 9.1 | 8.3 | 0.9 | 10 |
| SFM0063 | LOW (2:3) | Lake | 2 | 6.5 | | 12 | | 18 | 12 | 8 | 67 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 38 | | | 38 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 8.7 | 9.6 | 9.9 | 10 | 10 | 9.8 | 0.5 | 4.9 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 199 | 4.2 | 8.5 | 13 | 35 | 180 | 32 | 40 | 120 |
| Forsmark area | Soil tubes | 'Higher' | 119 | 4.2 | 7.8 | 9.8 | 18 | 52 | 14 | 10 | 72 |
| Forsmark area | Soil tubes | 'Lower' | 80 | 4.4 | 14 | 53 | 89 | 180 | 59 | 50 | 86 |
| Forsmark area | Soil tubes | In lake | 35 | 6.5 | 59 | 88 | 96 | 180 | 88 | 50 | 63 |
| Forsmark area | Soil tubes | At sea | 11 | 41 | 76 | 79 | 96 | 120 | 86 | 20 | 27 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 20 | 1.8 | 5.3 | 6.7 | 16 | 89 | 19 | 30 | 140 |
| Forsmark area | Private wells | drilled | 30 | 2.3 | 16 | 30 | 150 | 190 | 69 | 70 | 110 |
| Simpevarp area | Private wells | excavated | 101 | 0.50 | 2.1 | 4.9 | 7.4 | 34 | 6.0 | 6 | 98 |
| Simpevarp area | Private wells | drilled | 252 | 0.50 | 4.5 | 6.9 | 11 | 47 | 9.3 | 8 | 83 |
| Simpevarp area | Soil tubes | All | 41 | 1.3 | 5.1 | 8.2 | 11 | 45 | 10 | 8 | 78 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 2.6 | 5.1 | 5.9 | 9.0 | 29 | 9.0 | 8 | 86 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 1.3 | 7.5 | 8.7 | 12 | 45 | 11 | 8 | 76 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 2.5 | 14 | 31 | 50 | 110 | 39 | 30 | 86 |
| Uppsala County | SGU well | excavated | 56 | 1.4 | 4.2 | 6.5 | 10 | 17 | 7.2 | 4 | 54 |
| Uppsala County | SGU well | drilled | 85 | 0.97 | 4.5 | 7.0 | 8.3 | 19 | 6.7 | 3 | 47 |
| Kalmar County | SGU well | excavated | 95 | 1.0 | 3.0 | 4.3 | 5.5 | 21 | 4.6 | 3 | 61 |
| Kalmar County | SGU well | drilled | 133 | 0.50 | 4.0 | 6.0 | 8.0 | 25 | 7.0 | 5 | 66 |
| Sweden | SGU well | excavated | 1058 | 0.20 | 1.9 | 3.6 | 7.2 | 39 | 5.5 | 5 | 98 |
| Sweden | SGU well | drilled | 2231 | 0.19 | 3.5 | 5.9 | 9.6 | 130 | 8.1 | 8 | 99 |

Ground Water

| Mn | | | Manganese (mg/l) | | | | | | | | Mn |
|-------------------------|---------------|-----------|------------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 9 | 0.15 | 0.18 | 0.19 | 0.21 | 0.24 | 0.19 | 0.03 | 14 |
| SFM0002 | HIGH (2:1) | DS | 10 | 0.14 | 0.16 | 0.17 | 0.23 | 0.42 | 0.21 | 0.09 | 44 |
| SFM0003 | HIGH (2:1) | DS | 9 | 0.17 | 0.17 | 0.18 | 0.19 | 0.36 | 0.20 | 0.06 | 31 |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.030 | 0.041 | 0.078 | 0.16 | 0.35 | 0.13 | 0.1 | 99 |
| SFM0006 | HIGH (5:1) | DS | 5 | 0.0027 | 0.013 | 0.065 | 0.10 | 0.34 | 0.10 | 0.1 | 130 |
| SFM0008 | HIGH (5:1) | DS | 6 | 0.086 | 0.12 | 0.13 | 0.15 | 0.17 | 0.13 | 0.03 | 22 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.0048 | 0.0051 | 0.033 | 0.047 | 0.060 | 0.030 | 0.02 | 82 |
| SFM0012 | LOW (2:8) | Lake | 4 | 0.40 | 0.41 | 0.44 | 0.70 | 1.4 | 0.68 | 0.5 | 75 |
| SFM0015 | LOW (2:10) | Lake | 3 | 0.44 | 0.47 | 0.49 | 0.60 | 0.70 | 0.55 | 0.1 | 25 |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 0.0062 | | | 0.0062 | | |
| SFM0022 | LOW (8:1) | Lake | 2 | 0.24 | | 0.52 | | 0.80 | 0.52 | 0.4 | 76 |
| SFM0023 | LOW (2:3) | Lake | 3 | 0.79 | 0.84 | 0.89 | 0.89 | 0.90 | 0.86 | 0.06 | 7.3 |
| SFM0025 | LOW (Coast) | Sea | 3 | 0.93 | 0.97 | 1.0 | 1.0 | 1.1 | 1.00 | 0.06 | 6.3 |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.068 | 0.073 | 0.074 | 0.076 | 0.10 | 0.078 | 0.01 | 15 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.16 | 0.18 | 0.20 | 0.21 | 0.24 | 0.20 | 0.03 | 15 |
| SFM0031 | HIGH (2:3) | not DS | 6 | 0.20 | 0.21 | 0.23 | 0.25 | 0.28 | 0.23 | 0.03 | 13 |
| SFM0032 | HIGH (2:3) | not DS | 7 | 0.13 | 0.20 | 0.21 | 0.23 | 0.29 | 0.21 | 0.05 | 23 |
| SFM0037 | LOW (2:1) | not DS | 6 | 0.19 | 0.22 | 0.26 | 0.30 | 0.34 | 0.26 | 0.05 | 21 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.13 | 0.13 | 0.14 | 0.15 | 0.15 | 0.14 | 0.01 | 9.4 |
| SFM0051 | HIGH (2:1) | DS | 5 | 0.20 | 0.24 | 0.25 | 0.25 | 0.27 | 0.24 | 0.03 | 12 |
| SFM0053 | HIGH (4:2) | not DS | 5 | 0.14 | 0.14 | 0.15 | 0.15 | 0.16 | 0.15 | 0.008 | 5.5 |
| SFM0056 | LOW (Coast) | not DS | 5 | 0.060 | 0.068 | 0.069 | 0.069 | 0.13 | 0.079 | 0.03 | 36 |
| SFM0057 | LOW (2:8) | DS | 6 | 0.031 | 0.070 | 0.085 | 0.11 | 0.13 | 0.085 | 0.03 | 41 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.010 | 0.015 | 0.020 | 0.032 | 0.044 | 0.025 | 0.02 | 71 |
| SFM0062 | LOW (2:3) | Lake | 3 | 0.041 | 0.064 | 0.086 | 0.19 | 0.30 | 0.14 | 0.1 | 98 |
| SFM0063 | LOW (2:3) | Lake | 2 | 0.37 | | 0.45 | | 0.54 | 0.45 | 0.1 | 26 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 0.63 | | | 0.63 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 0.12 | 0.12 | 0.13 | 0.13 | 0.15 | 0.13 | 0.01 | 9.5 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 139 | 0.0027 | 0.11 | 0.17 | 0.24 | 1.4 | 0.23 | 0.2 | 100 |
| Forsmark area | Soil tubes | 'Higher' | 95 | 0.0027 | 0.12 | 0.17 | 0.20 | 0.42 | 0.16 | 0.08 | 51 |
| Forsmark area | Soil tubes | 'Lower' | 44 | 0.031 | 0.076 | 0.24 | 0.50 | 1.4 | 0.36 | 0.3 | 96 |
| Forsmark area | Soil tubes | In lake | 18 | 0.041 | 0.38 | 0.48 | 0.76 | 1.4 | 0.55 | 0.3 | 60 |
| Forsmark area | Soil tubes | At sea | 3 | 0.93 | 0.97 | 1.0 | 1.0 | 1.1 | 1.00 | 0.06 | 6.3 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 16 | 0.0050 | 0.024 | 0.080 | 0.17 | 0.61 | 0.13 | 0.2 | 120 |
| Forsmark area | Private wells | drilled | 19 | 0.050 | 0.11 | 0.23 | 0.94 | 1.2 | 0.47 | 0.4 | 92 |
| Simpevarp area | Private wells | excavated | 134 | | 0.010 | 0.040 | 0.13 | 19 | 0.26 | 2 | 630 |
| Simpevarp area | Private wells | drilled | 291 | | 0.020 | 0.090 | 0.30 | 46 | 0.35 | 3 | 770 |
| Simpevarp area | Soil tubes | All | 41 | 0.082 | 0.22 | 0.49 | 0.61 | 6.1 | 0.58 | 0.9 | 160 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 0.13 | 0.31 | 0.39 | 0.58 | 6.1 | 0.92 | 2 | 190 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 0.082 | 0.18 | 0.51 | 0.62 | 1.3 | 0.45 | 0.3 | 65 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 0.040 | 0.080 | 0.15 | 0.27 | 1.6 | 0.30 | 0.4 | 140 |
| Uppsala County | SGU well | excavated | 66 | <0.05 | <0.05 | <0.05 | <0.05 | 0.58 | 0.050 | 0.1 | 200 |
| Uppsala County | SGU well | drilled | 672 | <0.05 | <0.05 | 0.050 | 0.10 | 0.90 | 0.082 | 0.10 | 120 |
| Kalmar County | SGU well | excavated | 338 | <0.05 | <0.05 | <0.05 | 0.070 | 4.9 | 0.10 | 0.3 | 310 |
| Kalmar County | SGU well | drilled | 382 | <0.05 | <0.05 | 0.095 | 0.30 | 2.0 | 0.23 | 0.3 | 140 |
| Sweden | SGU well | excavated | 4252 | <0.05 | <0.05 | <0.05 | 0.070 | 26 | 0.10 | 0.6 | 550 |
| Sweden | SGU well | drilled | 10934 | <0.05 | <0.05 | 0.080 | 0.22 | 30 | 0.19 | 0.4 | 240 |

Ground Water

| Hg | | | Mercury (µg/l) | | | | | | | | Hg |
|------------------|--------------|----------|----------------|--------|--------|--------|--------|--------|--------|--------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 8 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0033 | <0.002 | 0.0008 | 63 |
| SFM0002 | HIGH (2:1) | DS | 8 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0003 | HIGH (2:1) | DS | 8 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0005 | HIGH (Coast) | DS | 4 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0028 | <0.002 | 0.0009 | 62 |
| SFM0006 | HIGH (5:1) | DS | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0009 | HIGH (2:6) | DS | 5 | <0.002 | <0.002 | <0.002 | 0.0025 | 0.0034 | <0.002 | 0.001 | 63 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.002 | | | <0.002 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.002 | | | <0.002 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.002 | | | <0.002 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.002 | | | <0.002 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0029 | HIGH (4:2) | not DS | 5 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0031 | HIGH (2:3) | not DS | 5 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0032 | HIGH (2:3) | not DS | 5 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0037 | LOW (2:1) | not DS | 4 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0051 | HIGH (2:1) | DS | 4 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0053 | HIGH (4:2) | not DS | 4 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| SFM0057 | LOW (2:8) | DS | 5 | <0.002 | 0.0024 | 0.0030 | 0.0036 | 0.0057 | 0.0031 | 0.002 | 55 |
| SFM0060 | HIGH (Coast) | not DS | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 92 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0057 | <0.002 | 0.0007 | 60 |
| Forsmark area | Soil tubes | 'Higher' | 70 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0034 | <0.002 | 0.0005 | 43 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0057 | <0.002 | 0.001 | 80 |
| Forsmark area | Soil tubes | In lake | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.002 | | | <0.002 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | | |

| Mo | | | Molybdenium (µg/l) | | | | | | | | Mo |
|------------------|--------------|----------|--------------------|-------|-------|--------|-------|------|-------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 7 | 1.0 | 1.7 | 2.3 | 2.7 | 3.3 | 2.2 | 0.8 | 37 |
| SFM0002 | HIGH (2:1) | DS | 7 | 1.2 | 1.6 | 1.8 | 2.2 | 2.4 | 1.9 | 0.4 | 23 |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.71 | 0.83 | 0.88 | 0.92 | 0.96 | 0.87 | 0.09 | 10 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.35 | 0.43 | 0.48 | 0.56 | 0.74 | 0.51 | 0.2 | 32 |
| SFM0006 | HIGH (5:1) | DS | 3 | 2.2 | 2.2 | 2.3 | 2.6 | 3.0 | 2.5 | 0.4 | 18 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.68 | 0.72 | 0.78 | 0.81 | 1.1 | 0.82 | 0.2 | 21 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.61 | 0.80 | 0.99 | 1.0 | 1.1 | 0.90 | 0.2 | 22 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 3.1 | | | 3.1 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.60 | | | 0.60 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | 1.6 | | | 1.6 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | 5.5 | | | 5.5 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 3.9 | 3.9 | 4.2 | 12 | 31 | 11 | 10 | 110 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 1.3 | 1.4 | 1.4 | 1.4 | 2.0 | 1.5 | 0.3 | 19 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 1.4 | 1.6 | 1.9 | 1.9 | 2.3 | 1.8 | 0.4 | 20 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 1.8 | 1.8 | 1.9 | 2.0 | 2.6 | 2.0 | 0.3 | 17 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.77 | 0.89 | 1.6 | 2.6 | 3.6 | 1.9 | 1 | 70 |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.05 | <0.05 | <0.05 | 0.063 | 0.10 | <0.05 | 0.04 | 87 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.85 | 0.91 | 1.1 | 1.4 | 1.8 | 1.2 | 0.4 | 34 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.90 | 1.0 | 1.1 | 1.3 | 1.8 | 1.2 | 0.4 | 30 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.96 | 1.8 | 2.2 | 2.3 | 2.6 | 2.0 | 0.7 | 36 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.40 | 0.40 | 0.50 | 0.51 | 0.66 | 0.49 | 0.1 | 21 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 2.4 | 2.4 | 2.4 | 2.8 | 3.1 | 2.6 | 0.4 | 16 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 89 | <0.05 | 0.85 | 1.4 | 2.3 | 31 | 2.0 | 3 | 170 |
| Forsmark area | Soil tubes | 'Higher' | 67 | <0.05 | 0.88 | 1.4 | 1.9 | 3.3 | 1.4 | 0.8 | 53 |
| Forsmark area | Soil tubes | 'Lower' | 22 | 0.40 | 0.69 | 2.2 | 3.8 | 31 | 3.8 | 7 | 170 |
| Forsmark area | Soil tubes | In lake | 3 | 0.60 | 1.1 | 1.6 | 2.4 | 3.1 | 1.8 | 1 | 71 |
| Forsmark area | Soil tubes | At sea | 1 | | | 5.5 | | | 5.5 | | |

Ground Water

| Nd | | | Neodymium (µg/l) | | | | | | | | Nd |
|-------------------------|--------------|----------|-------------------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 1.5 | 2.0 | 2.1 | 2.7 | 5.6 | 2.7 | 1 | 55 |
| SFM0002 | HIGH (2:1) | DS | 6 | 1.5 | 1.9 | 2.0 | 2.3 | 3.9 | 2.3 | 0.8 | 37 |
| SFM0003 | HIGH (2:1) | DS | 6 | 0.12 | 0.14 | 0.17 | 0.19 | 0.35 | 0.19 | 0.08 | 45 |
| SFM0005 | HIGH (Coast) | DS | 3 | 1.9 | 2.2 | 2.5 | 2.5 | 2.6 | 2.3 | 0.4 | 15 |
| SFM0006 | HIGH (5:1) | DS | 3 | 3.7 | 4.0 | 4.4 | 5.2 | 6.1 | 4.7 | 1 | 26 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.23 | 0.25 | 0.29 | 0.43 | 0.69 | 0.38 | 0.2 | 50 |
| SFM0009 | HIGH (2:6) | DS | 5 | 1.1 | 1.1 | 1.3 | 1.5 | 2.5 | 1.5 | 0.6 | 41 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.0071 | | | 0.0071 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.029 | 0.034 | 0.042 | 0.056 | 0.13 | 0.058 | 0.04 | 72 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 1.5 | 1.7 | 1.9 | 1.9 | 2.3 | 1.9 | 0.3 | 16 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 1.1 | 1.1 | 1.5 | 1.9 | 2.6 | 1.6 | 0.6 | 37 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 1.2 | 1.3 | 1.4 | 1.7 | 1.8 | 1.5 | 0.2 | 16 |
| SFM0037 | LOW (2:1) | not DS | 4 | 1.4 | 1.8 | 2.7 | 3.6 | 3.9 | 2.7 | 1 | 46 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 1.3 | 1.4 | 1.5 | 2.0 | 2.6 | 1.8 | 0.7 | 38 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.73 | 1.2 | 1.6 | 1.8 | 2.1 | 1.5 | 0.6 | 39 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.30 | 0.34 | 0.47 | 0.66 | 0.86 | 0.53 | 0.3 | 48 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.025 | 0.035 | 0.043 | 0.18 | 0.56 | 0.17 | 0.3 | 160 |
| SFM0057 | LOW (2:8) | DS | 5 | 2.8 | 3.1 | 3.7 | 4.2 | 6.2 | 4.0 | 1 | 33 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.53 | 0.59 | 0.66 | 0.67 | 0.67 | 0.62 | 0.08 | 13 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | 0.35 | 1.4 | 2.1 | 6.2 | 1.6 | 1 | 90 |
| Forsmark area | Soil tubes | 'Higher' | 63 | 0.12 | 0.68 | 1.5 | 2.0 | 6.1 | 1.6 | 1 | 75 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | 0.093 | 3.0 | 6.2 | 1.4 | 2 | 130 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 54 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.23 | 7.6 | 17 | 25 | 99 | 24 | 30 | 110 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 15 | 18 | 20 | 44 | 68 | 34 | 30 | 84 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.23 | 5.8 | 13 | 24 | 99 | 22 | 30 | 120 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.35 | 1.1 | 2.0 | 2.8 | 11 | 2.7 | 3 | 100 |

| Ni | | | Nickel (µg/l) | | | | | | | | Ni |
|-------------------------|--------------|----------|----------------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 5 | 0.51 | 0.66 | 0.78 | 1.2 | 1.8 | 0.99 | 0.5 | 53 |
| SFM0002 | HIGH (2:1) | DS | 5 | 1.5 | 2.3 | 2.4 | 3.8 | 4.5 | 2.9 | 1 | 42 |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.35 | 0.37 | 0.40 | 0.51 | 1.3 | 0.54 | 0.3 | 62 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.77 | 0.86 | 0.95 | 1.2 | 1.8 | 1.1 | 0.5 | 41 |
| SFM0006 | HIGH (5:1) | DS | 3 | 3.1 | 3.1 | 3.2 | 4.5 | 5.8 | 4.0 | 2 | 38 |
| SFM0008 | HIGH (5:1) | DS | 5 | 1.1 | 1.3 | 1.4 | 1.5 | 1.5 | 1.4 | 0.2 | 12 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.91 | 1.0 | 1.3 | 1.4 | 1.6 | 1.2 | 0.3 | 23 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 0.89 | | | 0.89 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 1.00 | | | 1.00 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | 7.1 | | | 7.1 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.5 | | | <0.5 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.15 | 0.19 | 0.25 | 0.31 | 0.35 | 0.25 | 0.08 | 33 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.38 | 0.39 | 0.40 | 0.64 | 0.84 | 0.53 | 0.2 | 39 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.81 | 0.83 | 0.83 | 0.86 | 0.93 | 0.85 | 0.05 | 5.8 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.32 | 0.40 | 0.50 | 0.50 | 1.00 | 0.54 | 0.3 | 49 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.76 | 0.85 | 0.92 | 1.1 | 1.6 | 1.0 | 0.4 | 36 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.16 | 0.23 | 0.29 | 0.41 | 0.53 | 0.33 | 0.2 | 57 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.75 | 0.76 | 1.0 | 1.4 | 2.0 | 1.2 | 0.6 | 48 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 1.1 | 1.2 | 1.3 | 1.5 | 1.8 | 1.4 | 0.3 | 22 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.45 | 0.65 | 0.89 | 1.3 | 2.0 | 1.1 | 0.7 | 64 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.71 | 0.74 | 1.1 | 1.1 | 1.3 | 0.99 | 0.3 | 26 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 1.5 | 1.7 | 1.9 | 2.5 | 3.1 | 2.2 | 0.8 | 38 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.5 | 0.51 | 0.91 | 1.4 | 7.1 | 1.2 | 1 | 94 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.5 | 0.56 | 1.00 | 1.5 | 5.8 | 1.3 | 1 | 83 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.5 | <0.5 | 0.82 | 1.1 | 7.1 | 1.1 | 1 | 130 |
| Forsmark area | Soil tubes | In lake | 3 | 0.89 | 0.94 | 1.00 | 4.0 | 7.1 | 3.0 | 4 | 120 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.5 | | | <0.5 | | |

Ground Water

| tot-N | | | Nitrogen - total (mg/l) | | | | | | | | tot-N |
|-------------------------|---------------|-----------|-------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 1.00 | 1.1 | 1.2 | 1.2 | 1.5 | 1.2 | 0.2 | 13 |
| SFM0002 | HIGH (2:1) | DS | 10 | 0.48 | 0.49 | 0.50 | 0.51 | 0.56 | 0.51 | 0.02 | 4.8 |
| SFM0003 | HIGH (2:1) | DS | 10 | 0.55 | 0.56 | 0.56 | 0.57 | 0.71 | 0.58 | 0.05 | 8.5 |
| SFM0005 | HIGH (Coast) | DS | 5 | 0.48 | 0.51 | 0.52 | 0.57 | 0.63 | 0.54 | 0.06 | 11 |
| SFM0006 | HIGH (5:1) | DS | 5 | 1.0 | 1.5 | 1.5 | 1.8 | 1.8 | 1.5 | 0.3 | 21 |
| SFM0008 | HIGH (5:1) | DS | 7 | 0.26 | 0.28 | 0.29 | 0.33 | 0.37 | 0.31 | 0.04 | 14 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.51 | 0.60 | 0.69 | 0.70 | 1.1 | 0.73 | 0.2 | 33 |
| SFM0012 | LOW (2:8) | Lake | 6 | 3.4 | 3.5 | 3.6 | 3.6 | 3.7 | 3.6 | 0.1 | 3.3 |
| SFM0015 | LOW (2:10) | Lake | 5 | 6.4 | 6.9 | 8.4 | 8.5 | 8.7 | 7.8 | 1 | 13 |
| SFM0022 | LOW (8:1) | Lake | 3 | 2.2 | 2.2 | 2.3 | 2.4 | 2.6 | 2.3 | 0.2 | 9.3 |
| SFM0023 | LOW (2:3) | Lake | 5 | 2.8 | 2.9 | 2.9 | 3.0 | 3.0 | 2.9 | 0.07 | 2.3 |
| SFM0024 | LOW (Coast) | Sea | 1 | | | 1.00 | | | 1.00 | | |
| SFM0025 | LOW (Coast) | Sea | 5 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 | 1.3 | 0.02 | 1.5 |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.72 | 0.81 | 0.81 | 0.88 | 0.92 | 0.83 | 0.08 | 9.2 |
| SFM0029 | HIGH (4:2) | not DS | 4 | 0.30 | 0.32 | 0.32 | 0.34 | 0.36 | 0.33 | 0.03 | 7.7 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.35 | 0.36 | 0.37 | 0.37 | 0.37 | 0.36 | 0.01 | 3.0 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.61 | 0.63 | 0.64 | 0.72 | 0.74 | 0.67 | 0.06 | 9.0 |
| SFM0037 | LOW (2:1) | not DS | 5 | 0.72 | 0.82 | 0.84 | 0.88 | 1.00 | 0.85 | 0.1 | 12 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.60 | 0.65 | 0.71 | 0.73 | 0.75 | 0.69 | 0.08 | 12 |
| SFM0057 | LOW (2:8) | DS | 4 | 0.38 | 0.42 | 0.51 | 0.71 | 1.1 | 0.61 | 0.3 | 50 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.28 | 0.30 | 0.32 | 0.53 | 0.74 | 0.44 | 0.3 | 58 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 111 | 0.26 | 0.51 | 0.72 | 1.3 | 8.7 | 1.3 | 2 | 120 |
| Forsmark area | Soil tubes | 'Higher' | 72 | 0.26 | 0.45 | 0.56 | 0.74 | 1.8 | 0.68 | 0.4 | 55 |
| Forsmark area | Soil tubes | 'Lower' | 39 | 0.38 | 0.88 | 1.4 | 3.4 | 8.7 | 2.6 | 2 | 90 |
| Forsmark area | Soil tubes | In lake | 19 | 2.2 | 2.9 | 3.5 | 5.1 | 8.7 | 4.3 | 2 | 52 |
| Forsmark area | Soil tubes | At sea | 6 | 1.00 | 1.3 | 1.3 | 1.4 | 1.4 | 1.3 | 0.1 | 11 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 2 | 0.68 | | 0.98 | | 1.3 | 0.98 | 0.4 | 42 |
| Forsmark area | Private wells | drilled | 6 | 0.84 | 1.3 | 2.0 | 2.5 | 4.4 | 2.2 | 1 | 60 |

Ground Water

| NH4-N | | | Nitrogen as ammonium (mg/l) | | | | | | | | NH4-N |
|------------------|---------------|-----------|-----------------------------|---------|---------|----------------|---------|--------|---------|--------|-------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 11 | 0.14 | 0.17 | 0.21 | 0.27 | 0.32 | 0.22 | 0.06 | 27 |
| SFM0002 | HIGH (2:1) | DS | 11 | 0.057 | 0.069 | 0.080 | 0.088 | 0.26 | 0.093 | 0.06 | 61 |
| SFM0003 | HIGH (2:1) | DS | 11 | 0.15 | 0.21 | 0.21 | 0.22 | 0.22 | 0.21 | 0.02 | 10 |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.00080 | 0.0021 | 0.0043 | 0.011 | 0.026 | 0.0082 | 0.009 | 120 |
| SFM0006 | HIGH (5:1) | DS | 5 | 0.0030 | 0.0052 | 0.0053 | 0.020 | 0.033 | 0.013 | 0.01 | 97 |
| SFM0008 | HIGH (5:1) | DS | 8 | 0.016 | 0.018 | 0.038 | 0.048 | 0.064 | 0.036 | 0.02 | 49 |
| SFM0009 | HIGH (2:6) | DS | 6 | 0.00060 | 0.0039 | 0.0082 | 0.018 | 0.025 | 0.011 | 0.010 | 90 |
| SFM0012 | LOW (2:8) | Lake | 7 | 3.1 | 3.3 | 3.4 | 3.4 | 3.6 | 3.4 | 0.2 | 4.7 |
| SFM0015 | LOW (2:10) | Lake | 6 | 6.3 | 6.9 | 7.5 | 8.0 | 8.6 | 7.5 | 0.9 | 11 |
| SFM0022 | LOW (8:1) | Lake | 3 | 1.9 | 2.0 | 2.1 | 2.2 | 2.2 | 2.1 | 0.2 | 7.5 |
| SFM0023 | LOW (2:3) | Lake | 6 | 2.6 | 2.7 | 2.7 | 2.8 | 2.8 | 2.7 | 0.07 | 2.6 |
| SFM0024 | LOW (Coast) | Sea | 2 | 0.27 | | 0.34 | | 0.41 | 0.34 | 0.1 | 30 |
| SFM0025 | LOW (Coast) | Sea | 6 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.2 | 0.03 | 2.7 |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.30 | 0.47 | 0.48 | 0.52 | 0.58 | 0.47 | 0.09 | 20 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.049 | 0.052 | 0.070 | 0.073 | 0.15 | 0.079 | 0.04 | 52 |
| SFM0031 | HIGH (2:3) | not DS | 6 | 0.072 | 0.075 | 0.082 | 0.091 | 0.10 | 0.084 | 0.01 | 13 |
| SFM0032 | HIGH (2:3) | not DS | 6 | 0.039 | 0.070 | 0.075 | 0.081 | 0.083 | 0.071 | 0.02 | 24 |
| SFM0037 | LOW (2:1) | not DS | 6 | 0.0086 | 0.012 | 0.019 | 0.027 | 0.031 | 0.020 | 0.010 | 49 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.061 | 0.081 | 0.10 | 0.12 | 0.13 | 0.098 | 0.04 | 37 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.014 | 0.015 | 0.021 | 0.032 | 0.037 | 0.024 | 0.01 | 44 |
| SFM0060 | HIGH (Coast) | not DS | 3 | <0.0005 | <0.0005 | 0.00050 | 0.00090 | 0.0013 | 0.00068 | 0.0005 | 80 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 128 | <0.0005 | 0.032 | 0.092 | 0.47 | 8.6 | 0.86 | 2 | 200 |
| Forsmark area | Soil tubes | 'Higher' | 81 | <0.0005 | 0.025 | 0.074 | 0.16 | 0.32 | 0.097 | 0.09 | 89 |
| Forsmark area | Soil tubes | 'Lower' | 47 | 0.0086 | 0.28 | 1.3 | 3.2 | 8.6 | 2.2 | 2 | 110 |
| Forsmark area | Soil tubes | In lake | 22 | 1.9 | 2.7 | 3.3 | 5.6 | 8.6 | 4.1 | 2 | 53 |
| Forsmark area | Soil tubes | At sea | 8 | 0.27 | 1.0 | 1.2 | 1.2 | 1.3 | 1.0 | 0.4 | 42 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 18 | 0.0050 | 0.0068 | 0.021 | 0.44 | 3.4 | 0.53 | 1.0 | 190 |
| Forsmark area | Private wells | drilled | 25 | 0.020 | 0.050 | 0.91 | 1.6 | 3.9 | 1.1 | 1 | 110 |
| Simpevarp area | Private wells | excavated | 134 | | 0.010 | 0.030 | 0.060 | 5.0 | 0.13 | 0.5 | 360 |
| Simpevarp area | Private wells | drilled | 291 | | 0.010 | 0.050 | 0.13 | 2.1 | 0.10 | 0.2 | 170 |
| Uppsala County | SGU well | excavated | 65 | <0.1 | <0.1 | <0.1 | 0.16 | 0.71 | 0.11 | 0.1 | 130 |
| Uppsala County | SGU well | drilled | 669 | <0.1 | <0.1 | <0.1 | <0.1 | 8.1 | 0.11 | 0.4 | 350 |
| Kalmar County | SGU well | excavated | 115 | <0.1 | <0.1 | <0.1 | <0.1 | 0.86 | <0.1 | 0.1 | 210 |
| Kalmar County | SGU well | drilled | 256 | <0.1 | <0.1 | <0.1 | <0.1 | 2.4 | 0.11 | 0.3 | 240 |
| Sweden | SGU well | excavated | 1611 | <0.1 | <0.1 | <0.1 | <0.1 | 5.6 | 0.11 | 0.3 | 290 |
| Sweden | SGU well | drilled | 9805 | <0.1 | <0.1 | <0.1 | <0.1 | 18 | 0.12 | 0.4 | 360 |

Ground Water

| NO3-N | | | Nitrogen as nitrate (mg/l) | | | | | | | | NO3-N | |
|------------------|---------------|-----------|----------------------------|--------|--------|---------|--------|--------|---------|---------|-------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 1 | | | <0.002 | | | <0.002 | | | |
| SFM0002 | HIGH (2:1) | DS | 1 | | | 0.0015 | | | 0.0015 | | | |
| SFM0003 | HIGH (2:1) | DS | 1 | | | 0.00040 | | | 0.00040 | | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | 0.00050 | | | 0.00050 | | | |
| SFM0009 | HIGH (2:6) | DS | 1 | | | 0.042 | | | 0.042 | | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.0002 | | | <0.0002 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.00020 | | | 0.00020 | | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.0002 | | | <0.0002 | | | |
| SFM0024 | LOW (Coast) | Sea | 1 | | | <0.0002 | | | <0.0002 | | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | 0.0091 | | | 0.0091 | | | |
| SFM0027 | LOW (8:1) | not DS | 1 | | | 0.00030 | | | 0.00030 | | | |
| SFM0029 | HIGH (4:2) | not DS | 1 | | | 0.0022 | | | 0.0022 | | | |
| SFM0031 | HIGH (2:3) | not DS | 1 | | | 0.00070 | | | 0.00070 | | | |
| SFM0032 | HIGH (2:3) | not DS | 1 | | | 0.0020 | | | 0.0020 | | | |
| SFM0037 | LOW (2:1) | not DS | 1 | | | <0.0002 | | | <0.0002 | | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 15 | <0.002 | <0.002 | <0.002 | <0.002 | 0.042 | 0.0040 | 0.01 | 270 | |
| Forsmark area | Soil tubes | 'Higher' | 8 | <0.002 | <0.002 | <0.002 | 0.0021 | 0.042 | 0.0063 | 0.01 | 230 | |
| Forsmark area | Soil tubes | 'Lower' | 7 | <0.002 | <0.002 | <0.002 | <0.002 | 0.0091 | <0.002 | 0.003 | 240 | |
| Forsmark area | Soil tubes | In lake | 3 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | <0.002 | 0.00006 | 43 | |
| Forsmark area | Soil tubes | At sea | 2 | <0.002 | | 0.0046 | | 0.0091 | 0.0046 | 0.006 | 140 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Private wells | excavated | 4 | 0.050 | 0.050 | 0.33 | 1.3 | 3.3 | 1.00 | 2 | 160 | |
| Simpevarp area | Private wells | drilled | 15 | 0.050 | 0.050 | 0.050 | 0.23 | 4.2 | 0.55 | 1 | 210 | |
| Uppsala County | SGU well | excavated | 66 | <2 | <2 | 2.3 | 4.7 | 8.4 | 2.9 | 3 | 86 | |
| Uppsala County | SGU well | drilled | 671 | <2 | <2 | <2 | <2 | 18 | <2 | 2 | 180 | |
| Kalmar County | SGU well | excavated | 115 | <2 | <2 | 2.2 | 5.7 | 51 | 4.6 | 8 | 170 | |
| Kalmar County | SGU well | drilled | 259 | <2 | <2 | <2 | <2 | 40 | 2.0 | 5 | 240 | |
| Sweden | SGU well | excavated | 1724 | <2 | <2 | <2 | 3.4 | 130 | 2.9 | 6 | 200 | |
| Sweden | SGU well | drilled | 10134 | <2 | <2 | <2 | <2 | 84 | <2 | 3 | 290 | |

| NO23-N | | | Nitrogen as nitrate and nitrite (mg/l) | | | | | | | | NO23-N | |
|------------------|---------------|-----------|--|---------|---------|---------|---------|---------|---------|--------|--------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 11 | 0.00030 | 0.00040 | 0.00070 | 0.0091 | 0.069 | 0.013 | 0.02 | 190 | |
| SFM0002 | HIGH (2:1) | DS | 10 | 0.00020 | 0.00065 | 0.0014 | 0.0025 | 0.026 | 0.0043 | 0.008 | 180 | |
| SFM0003 | HIGH (2:1) | DS | 10 | <0.0002 | 0.00080 | 0.0036 | 0.0060 | 0.028 | 0.0056 | 0.008 | 150 | |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.034 | 0.043 | 0.065 | 0.18 | 0.26 | 0.11 | 0.10 | 87 | |
| SFM0006 | HIGH (5:1) | DS | 5 | 0.17 | 0.46 | 0.62 | 0.75 | 0.85 | 0.57 | 0.3 | 47 | |
| SFM0008 | HIGH (5:1) | DS | 8 | <0.0002 | <0.0002 | 0.0020 | 0.0096 | 0.011 | 0.0044 | 0.005 | 110 | |
| SFM0009 | HIGH (2:6) | DS | 6 | <0.0002 | 0.0021 | 0.025 | 0.17 | 0.48 | 0.12 | 0.2 | 160 | |
| SFM0012 | LOW (2:8) | Lake | 7 | <0.0002 | <0.0002 | 0.00030 | 0.00090 | 0.027 | 0.0042 | 0.01 | 240 | |
| SFM0015 | LOW (2:10) | Lake | 6 | <0.0002 | <0.0002 | 0.00020 | 0.0020 | 0.026 | 0.00097 | 0.001 | 130 | |
| SFM0022 | LOW (8:1) | Lake | 3 | <0.0002 | 0.00070 | 0.0013 | 0.0017 | 0.020 | 0.0011 | 0.0010 | 85 | |
| SFM0023 | LOW (2:3) | Lake | 6 | <0.0002 | 0.00030 | 0.00065 | 0.00093 | 0.0019 | 0.00075 | 0.0007 | 87 | |
| SFM0024 | LOW (Coast) | Sea | 2 | 0.00020 | | 0.00030 | | 0.00040 | 0.00030 | 0.0001 | 47 | |
| SFM0025 | LOW (Coast) | Sea | 6 | <0.0002 | <0.0002 | 0.00040 | 0.0020 | 0.0091 | 0.0021 | 0.004 | 170 | |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.00030 | 0.0031 | 0.011 | 0.016 | 0.063 | 0.017 | 0.02 | 140 | |
| SFM0029 | HIGH (4:2) | not DS | 5 | <0.0002 | 0.00080 | 0.00090 | 0.0022 | 0.0066 | 0.0021 | 0.003 | 120 | |
| SFM0031 | HIGH (2:3) | not DS | 6 | 0.00070 | 0.0030 | 0.0045 | 0.011 | 0.038 | 0.011 | 0.01 | 130 | |
| SFM0032 | HIGH (2:3) | not DS | 6 | <0.0002 | 0.00080 | 0.0022 | 0.0079 | 0.011 | 0.0043 | 0.005 | 110 | |
| SFM0037 | LOW (2:1) | not DS | 6 | 0.00030 | 0.00040 | 0.00075 | 0.0021 | 0.0027 | 0.0012 | 0.001 | 88 | |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.0002 | <0.0002 | 0.00020 | 0.00065 | 0.0011 | 0.00047 | 0.0006 | 120 | |
| SFM0057 | LOW (2:8) | DS | 5 | 0.00020 | 0.00090 | 0.0017 | 0.12 | 0.43 | 0.11 | 0.2 | 170 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.071 | 0.083 | 0.096 | 0.32 | 0.54 | 0.24 | 0.3 | 110 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 126 | <0.0002 | 0.00033 | 0.0016 | 0.011 | 0.85 | 0.048 | 0.1 | 300 | |
| Forsmark area | Soil tubes | 'Higher' | 79 | <0.0002 | 0.00060 | 0.0035 | 0.031 | 0.85 | 0.068 | 0.2 | 250 | |
| Forsmark area | Soil tubes | 'Lower' | 47 | <0.0002 | 0.00020 | 0.00060 | 0.0025 | 0.43 | 0.015 | 0.06 | 420 | |
| Forsmark area | Soil tubes | In lake | 22 | <0.0002 | <0.0002 | 0.00040 | 0.0013 | 0.027 | 0.0020 | 0.006 | 290 | |
| Forsmark area | Soil tubes | At sea | 8 | <0.0002 | <0.0002 | 0.00035 | 0.0010 | 0.0091 | 0.0017 | 0.003 | 190 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Private wells | excavated | 4 | 0.00020 | 0.00050 | 0.0012 | 0.24 | 0.97 | 0.24 | 0.5 | 200 | |
| Forsmark area | Private wells | drilled | 9 | 0.00090 | 0.0017 | 0.023 | 0.40 | 0.64 | 0.19 | 0.3 | 140 | |
| Simpevarp area | Private wells | excavated | 129 | 0.050 | 0.13 | 0.76 | 3.6 | 40 | 2.4 | 4 | 180 | |
| Simpevarp area | Private wells | drilled | 276 | 0.0050 | 0.13 | 0.25 | 1.6 | 43 | 1.8 | 4 | 250 | |

Ground Water

| PON | | | Particulate organic nitrogen (mg/l) | | | | | | | | PON |
|-------------------------|--------------|----------|-------------------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 3 | 0.0042 | 0.0064 | 0.0086 | 0.019 | 0.030 | 0.014 | 0.01 | 96 |
| SFM0002 | HIGH (2:1) | DS | 3 | 0.037 | 0.039 | 0.040 | 0.047 | 0.055 | 0.044 | 0.009 | 21 |
| SFM0003 | HIGH (2:1) | DS | 2 | 0.0046 | | 0.0064 | | 0.0081 | 0.0064 | 0.002 | 39 |
| SFM0005 | HIGH (Coast) | DS | 1 | | | 0.034 | | | 0.034 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | 0.037 | | | 0.037 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 10 | 0.0042 | 0.0083 | 0.032 | 0.037 | 0.055 | 0.026 | 0.02 | 69 |
| Forsmark area | Soil tubes | 'Higher' | 10 | 0.0042 | 0.0083 | 0.032 | 0.037 | 0.055 | 0.026 | 0.02 | 69 |

| COD | | | Chemical oxygen demand (mg/l) | | | | | | | | COD |
|----------------|---------------|-----------|-------------------------------|------|------|------------|------|-----|------|------|-----|
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 14 | 4.6 | 8.9 | 10 | 13 | 31 | 13 | 8 | 59 |
| Forsmark area | Private wells | drilled | 16 | 4.0 | 5.2 | 8.3 | 13 | 20 | 9.1 | 5 | 51 |
| Simpevarp area | Private wells | excavated | 129 | 1.3 | 7.0 | 11 | 16 | 61 | 14 | 10 | 78 |
| Simpevarp area | Private wells | drilled | 275 | 0.50 | 5.0 | 7.0 | 10 | 51 | 8.5 | 6 | 67 |
| Uppsala County | SGU well | excavated | 9 | 0.50 | 1.0 | 2.0 | 5.0 | 9.0 | 3.3 | 3 | 100 |
| Uppsala County | SGU well | drilled | 12 | 0.50 | 0.88 | 2.0 | 4.0 | 9.0 | 3.0 | 3 | 93 |
| Kalmar County | SGU well | excavated | 251 | 0.10 | 1.8 | 3.8 | 8.0 | 98 | 7.4 | 10 | 150 |
| Kalmar County | SGU well | drilled | 120 | 0.20 | 2.0 | 3.8 | 7.0 | 63 | 7.0 | 10 | 140 |
| Sweden | SGU well | excavated | 5374 | | 1.6 | 3.5 | 8.0 | 300 | 7.0 | 10 | 160 |
| Sweden | SGU well | drilled | 2887 | | 0.50 | 2.0 | 5.0 | 140 | 4.4 | 7 | 160 |

| O2 (lab + field) | | | Oxygen (lab + field) (mg/l) | | | | | | | | O2 (lab + field) |
|-------------------------|---------------|-----------|-----------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 3 | 0.050 | 0.050 | 0.050 | 0.075 | 0.10 | 0.067 | 0.03 | 43 |
| SFM0002 | HIGH (2:1) | DS | 4 | 0.30 | 0.50 | 0.73 | 1.6 | 3.7 | 1.4 | 2 | 120 |
| SFM0003 | HIGH (2:1) | DS | 4 | 0.30 | 0.33 | 0.37 | 0.58 | 1.1 | 0.54 | 0.4 | 71 |
| SFM0005 | HIGH (Coast) | DS | 2 | 0.90 | | 3.1 | | 5.2 | 3.1 | 3 | 100 |
| SFM0006 | HIGH (5:1) | DS | 2 | 6.2 | | 7.5 | | 8.7 | 7.5 | 2 | 24 |
| SFM0008 | HIGH (5:1) | DS | 1 | | | 0.30 | | | 0.30 | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 0.30 | | | 0.30 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.90 | | | 0.90 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 18 | 0.050 | 0.30 | 0.48 | 1.1 | 8.7 | 1.7 | 3 | 150 |
| Forsmark area | Soil tubes | 'Higher' | 16 | 0.050 | 0.30 | 0.48 | 1.8 | 8.7 | 1.8 | 3 | 150 |
| Forsmark area | Soil tubes | 'Lower' | 2 | 0.30 | | 0.60 | | 0.90 | 0.60 | 0.4 | 71 |
| Forsmark area | Soil tubes | In lake | 2 | 0.30 | | 0.60 | | 0.90 | 0.60 | 0.4 | 71 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 1 | | | 0.39 | | | 0.39 | | |

Ground Water

| O-18 | | | Oxygen-18 (dev. SMOW) | | | | | | | | O-18 | |
|-------------------------|---------------|-----------|-----------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 10 | -12.3 | -11.1 | -11.0 | -10.7 | -10.7 | -11.1 | 0.55 | -4.9 | |
| SFM0002 | HIGH (2:1) | DS | 10 | -12.5 | -12.2 | -12.1 | -11.9 | -11.8 | -12.1 | 0.21 | -1.8 | |
| SFM0003 | HIGH (2:1) | DS | 10 | -10.1 | -9.88 | -9.75 | -9.70 | -9.00 | -9.73 | 0.30 | -3.1 | |
| SFM0005 | HIGH (Coast) | DS | 5 | -13.1 | -12.7 | -12.3 | -12.0 | -11.9 | -12.4 | 0.50 | -4.0 | |
| SFM0006 | HIGH (5:1) | DS | 4 | -13.0 | -12.8 | -12.7 | -12.7 | -12.6 | -12.8 | 0.17 | -1.4 | |
| SFM0008 | HIGH (5:1) | DS | 7 | -12.4 | -12.3 | -12.3 | -12.2 | -12.1 | -12.3 | 0.098 | -0.80 | |
| SFM0009 | HIGH (2:6) | DS | 7 | -12.3 | -12.0 | -11.9 | -11.9 | -11.8 | -12.0 | 0.16 | -1.3 | |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | -12.3 | | | -12.3 | | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | -9.50 | | | -9.50 | | | |
| SFM0012 | LOW (2:8) | Lake | 8 | -10.0 | -9.63 | -9.60 | -9.60 | -9.50 | -9.65 | 0.15 | -1.6 | |
| SFM0013 | LOW (2:3) | not DS | 1 | | | -10.8 | | | -10.8 | | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | -12.1 | | | -12.1 | | | |
| SFM0015 | LOW (2:10) | Lake | 7 | -8.00 | -7.70 | -7.60 | -7.60 | -7.60 | -7.69 | 0.15 | -1.9 | |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | -10.1 | | | -10.1 | | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | -11.5 | | | -11.5 | | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | -11.9 | | | -11.9 | | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | -11.9 | | | -11.9 | | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | -11.9 | | | -11.9 | | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | -11.8 | | | -11.8 | | | |
| SFM0022 | LOW (8:1) | Lake | 2 | -10.0 | | -10.0 | | -10.0 | -10.0 | | | |
| SFM0023 | LOW (2:3) | Lake | 7 | -9.20 | -9.00 | -8.90 | -8.90 | -8.80 | -8.96 | 0.14 | -1.6 | |
| SFM0024 | LOW (Coast) | Sea | 3 | -10.1 | -9.95 | -9.80 | -9.75 | -9.70 | -9.87 | 0.21 | -2.1 | |
| SFM0025 | LOW (Coast) | Sea | 7 | -12.2 | -11.9 | -11.7 | -11.7 | -11.4 | -11.8 | 0.24 | -2.1 | |
| SFM0026 | LOW (8:1) | not DS | 1 | | | -12.0 | | | -12.0 | | | |
| SFM0027 | LOW (8:1) | not DS | 7 | -12.3 | -12.1 | -11.9 | -11.9 | -11.9 | -12.0 | 0.15 | -1.3 | |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | -11.9 | | | -11.9 | | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | -12.2 | -12.0 | -12.0 | -11.9 | -11.9 | -12.0 | 0.12 | -0.98 | |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | -10.2 | | | -10.2 | | | |
| SFM0031 | HIGH (2:3) | not DS | 6 | -10.5 | -10.2 | -10.2 | -10.1 | -10.0 | -10.2 | 0.17 | -1.7 | |
| SFM0032 | HIGH (2:3) | not DS | 8 | -12.0 | -11.8 | -11.8 | -11.3 | -10.9 | -11.6 | 0.41 | -3.5 | |
| SFM0034 | LOW (2:1) | not DS | 1 | | | -10.8 | | | -10.8 | | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | -11.0 | | | -11.0 | | | |
| SFM0037 | LOW (2:1) | not DS | 6 | -12.0 | -11.6 | -10.7 | -10.5 | -9.80 | -10.9 | 0.84 | -7.7 | |
| SFM0049 | HIGH (Coast) | not DS | 4 | -11.0 | -10.3 | -9.80 | -9.45 | -9.30 | -9.98 | 0.76 | -7.7 | |
| SFM0051 | HIGH (2:1) | DS | 5 | -12.5 | -12.3 | -12.3 | -12.1 | -12.0 | -12.2 | 0.19 | -1.6 | |
| SFM0053 | HIGH (4:2) | not DS | 5 | -12.3 | -12.3 | -12.1 | -11.9 | -11.9 | -12.1 | 0.20 | -1.7 | |
| SFM0056 | LOW (Coast) | not DS | 5 | -11.9 | -11.6 | -11.5 | -11.3 | -11.2 | -11.5 | 0.27 | -2.4 | |
| SFM0057 | LOW (2:8) | DS | 5 | -13.1 | -12.8 | -12.5 | -12.2 | -12.1 | -12.5 | 0.42 | -3.3 | |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | -11.1 | | | -11.1 | | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | -12.5 | -12.5 | -12.5 | -12.4 | -12.3 | -12.4 | 0.12 | -0.93 | |
| SFM0061 | HIGH (7:2) | not DS | 2 | -12.5 | | -12.4 | | -12.2 | -12.4 | 0.21 | -1.7 | |
| SFM0062 | LOW (2:3) | Lake | 2 | -11.8 | | -11.8 | | -11.8 | -11.8 | | | |
| SFM0063 | LOW (2:3) | Lake | 2 | -11.5 | | -11.3 | | -11.1 | -11.3 | 0.28 | -2.5 | |
| SFM0065 | LOW (4:2) | Lake | 1 | | | -11.2 | | | -11.2 | | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | -12.3 | -12.0 | -11.7 | -11.4 | -11.3 | -11.7 | 0.37 | -3.2 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 180 | -13.1 | -12.1 | -11.8 | -10.1 | -7.60 | -11.2 | 1.3 | -11 | |
| Forsmark area | Soil tubes | 'Higher' | 111 | -13.1 | -12.2 | -11.9 | -11.1 | -9.00 | -11.5 | 0.94 | -8.1 | |
| Forsmark area | Soil tubes | 'Lower' | 69 | -13.1 | -11.9 | -11.0 | -9.60 | -7.60 | -10.6 | 1.5 | -14 | |
| Forsmark area | Soil tubes | In lake | 29 | -11.8 | -10.0 | -9.50 | -8.80 | -7.60 | -9.35 | 1.3 | -14 | |
| Forsmark area | Soil tubes | At sea | 10 | -12.2 | -11.8 | -11.7 | -10.4 | -9.70 | -11.2 | 0.95 | -8.4 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Private wells | excavated | 2 | -12.8 | | -11.9 | | -10.9 | -11.9 | 1.3 | -11 | |
| Forsmark area | Private wells | drilled | 5 | -12.0 | -11.6 | -10.9 | -10.4 | -10.3 | -11.0 | 0.74 | -6.7 | |
| Simpevarp area | Soil tubes | All | 40 | -11.8 | -11.0 | -10.8 | -10.6 | -9.60 | -10.7 | 0.49 | -4.6 | |
| Simpevarp area | Soil tubes | 'Higher' | 10 | -11.8 | -10.8 | -10.7 | -10.1 | -9.90 | -10.6 | 0.58 | -5.5 | |
| Simpevarp area | Soil tubes | 'Lower' | 30 | -11.7 | -11.0 | -10.8 | -10.6 | -9.60 | -10.8 | 0.46 | -4.3 | |
| Laxemar pre-PLU | Soil tubes | All | 15 | -9.90 | -9.75 | -9.30 | -8.60 | -7.30 | -9.04 | 0.86 | -9.5 | |

Ground Water

| POP | | | Particulate organic phosphorus (mg/l) | | | | | | | | POP |
|-------------------------|---------------|-----------|---------------------------------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 3 | 0.0048 | 0.012 | 0.019 | 3.9 | 7.7 | 2.6 | 4 | 170 |
| SFM0002 | HIGH (2:1) | DS | 2 | 0.043 | | 0.049 | | 0.055 | 0.049 | 0.008 | 17 |
| SFM0003 | HIGH (2:1) | DS | 3 | 0.020 | 0.031 | 0.042 | 0.56 | 1.1 | 0.38 | 0.6 | 160 |
| SFM0005 | HIGH (Coast) | DS | 1 | | | 0.020 | | | 0.020 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | 0.0094 | | | 0.0094 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 10 | 0.0048 | 0.019 | 0.031 | 0.052 | 7.7 | 0.90 | 2 | 270 |
| Forsmark area | Soil tubes | 'Higher' | 10 | 0.0048 | 0.019 | 0.031 | 0.052 | 7.7 | 0.90 | 2 | 270 |
| PO4-P | | | Phosphorus as phosphate (mg/l) | | | | | | | | PO4-P |
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 11 | 0.015 | 0.022 | 0.025 | 0.031 | 0.046 | 0.027 | 0.009 | 32 |
| SFM0002 | HIGH (2:1) | DS | 11 | 0.0017 | 0.0029 | 0.0044 | 0.0059 | 0.0064 | 0.0043 | 0.002 | 42 |
| SFM0003 | HIGH (2:1) | DS | 11 | 0.0075 | 0.013 | 0.018 | 0.038 | 0.043 | 0.024 | 0.01 | 57 |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.0037 | 0.0041 | 0.0046 | 0.0051 | 0.0052 | 0.0045 | 0.0006 | 14 |
| SFM0006 | HIGH (5:1) | DS | 5 | 0.0022 | 0.0036 | 0.0043 | 0.0074 | 0.0085 | 0.0052 | 0.003 | 51 |
| SFM0008 | HIGH (5:1) | DS | 8 | 0.0014 | 0.0019 | 0.0025 | 0.0029 | 0.0039 | 0.0025 | 0.0008 | 34 |
| SFM0009 | HIGH (2:6) | DS | 6 | 0.0010 | 0.0014 | 0.0018 | 0.0023 | 0.0025 | 0.0018 | 0.0006 | 34 |
| SFM0012 | LOW (2:8) | Lake | 7 | <0.0005 | 0.00065 | 0.00090 | 0.0017 | 0.0086 | 0.0021 | 0.003 | 140 |
| SFM0015 | LOW (2:10) | Lake | 6 | 0.00080 | 0.014 | 0.032 | 0.081 | 0.20 | 0.062 | 0.07 | 120 |
| SFM0022 | LOW (8:1) | Lake | 3 | <0.0005 | 0.00058 | 0.00090 | 0.00095 | 0.0010 | 0.00072 | 0.0004 | 57 |
| SFM0023 | LOW (2:3) | Lake | 6 | <0.0005 | 0.00053 | 0.0015 | 0.0026 | 0.0051 | 0.0019 | 0.002 | 98 |
| SFM0024 | LOW (Coast) | Sea | 2 | 0.0014 | | 0.014 | | 0.027 | 0.014 | 0.02 | 130 |
| SFM0025 | LOW (Coast) | Sea | 6 | <0.0005 | 0.0012 | 0.0020 | 0.0027 | 0.0078 | 0.0027 | 0.003 | 100 |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.023 | 0.037 | 0.041 | 0.055 | 0.070 | 0.045 | 0.02 | 37 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.0084 | 0.0085 | 0.0088 | 0.013 | 0.016 | 0.011 | 0.003 | 32 |
| SFM0031 | HIGH (2:3) | not DS | 6 | 0.00050 | 0.00060 | 0.00070 | 0.00080 | 0.0015 | 0.00080 | 0.0004 | 45 |
| SFM0032 | HIGH (2:3) | not DS | 6 | 0.0025 | 0.0065 | 0.0075 | 0.0083 | 0.011 | 0.0071 | 0.003 | 38 |
| SFM0037 | LOW (2:1) | not DS | 6 | 0.0014 | 0.0022 | 0.0041 | 0.0070 | 0.010 | 0.0049 | 0.003 | 71 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.0068 | 0.0077 | 0.0086 | 0.010 | 0.012 | 0.0092 | 0.003 | 29 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.0026 | 0.0028 | 0.0042 | 0.0050 | 0.0064 | 0.0042 | 0.002 | 38 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0017 | 0.0017 | 0.0017 | 0.0019 | 0.0020 | 0.0018 | 0.0002 | 9.6 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 128 | <0.0005 | 0.0019 | 0.0050 | 0.012 | 0.20 | 0.012 | 0.02 | 180 |
| Forsmark area | Soil tubes | 'Higher' | 81 | 0.00050 | 0.0024 | 0.0055 | 0.013 | 0.046 | 0.010 | 0.01 | 110 |
| Forsmark area | Soil tubes | 'Lower' | 47 | <0.0005 | 0.0010 | 0.0027 | 0.011 | 0.20 | 0.016 | 0.03 | 210 |
| Forsmark area | Soil tubes | In lake | 22 | <0.0005 | 0.00065 | 0.0012 | 0.0077 | 0.20 | 0.018 | 0.05 | 250 |
| Forsmark area | Soil tubes | At sea | 8 | <0.0005 | 0.0013 | 0.0020 | 0.0041 | 0.027 | 0.0055 | 0.009 | 160 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 18 | 0.0022 | 0.0050 | 0.0072 | 0.021 | 1.4 | 0.089 | 0.3 | 370 |
| Forsmark area | Private wells | drilled | 25 | <0.0005 | 0.00060 | 0.0050 | 0.0050 | 0.19 | 0.011 | 0.04 | 340 |
| Simpevarp area | Private wells | excavated | 134 | 0.0025 | 0.0050 | 0.050 | 0.10 | 2.5 | 0.25 | 0.6 | 220 |
| Simpevarp area | Private wells | drilled | 291 | | 0.0050 | 0.020 | 0.055 | 2.1 | 0.087 | 0.2 | 230 |
| Laxemar pre-PLU | Soil tubes | All | 5 | 0.020 | 0.041 | 0.053 | 0.12 | 0.24 | 0.095 | 0.09 | 95 |
| Uppsala County | SGU well | excavated | 18 | <0.1 | <0.1 | <0.1 | <0.1 | 2.2 | 0.42 | 0.8 | 180 |
| Uppsala County | SGU well | drilled | 571 | <0.1 | <0.1 | <0.1 | <0.1 | 3.6 | <0.1 | 0.2 | 440 |
| Kalmar County | SGU well | excavated | 32 | <0.1 | <0.1 | <0.1 | 0.12 | 0.99 | 0.13 | 0.2 | 190 |
| Kalmar County | SGU well | drilled | 133 | <0.1 | <0.1 | <0.1 | <0.1 | 2.1 | <0.1 | 0.3 | 410 |
| Sweden | SGU well | excavated | 713 | <0.1 | <0.1 | <0.1 | <0.1 | 2.2 | <0.1 | 0.2 | 310 |
| Sweden | SGU well | drilled | 7532 | <0.1 | <0.1 | <0.1 | <0.1 | 7.9 | <0.1 | 0.1 | 440 |

Ground Water

| tot-P | | | Phosphorus- total (mg/l) | | | | | | | | tot-P |
|------------------|---------------|-----------|--------------------------|--------|--------|---------------|--------|--------|--------|--------|-------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 0.031 | 0.038 | 0.042 | 0.046 | 0.053 | 0.042 | 0.007 | 17 |
| SFM0002 | HIGH (2:1) | DS | 10 | 0.0083 | 0.010 | 0.020 | 0.096 | 0.20 | 0.061 | 0.08 | 130 |
| SFM0003 | HIGH (2:1) | DS | 10 | 0.030 | 0.039 | 0.045 | 0.053 | 3.0 | 0.34 | 0.9 | 280 |
| SFM0005 | HIGH (Coast) | DS | 5 | 0.0080 | 0.0090 | 0.010 | 0.011 | 0.013 | 0.010 | 0.002 | 20 |
| SFM0006 | HIGH (5:1) | DS | 5 | 0.015 | 0.017 | 0.017 | 0.017 | 0.019 | 0.017 | 0.001 | 7.6 |
| SFM0008 | HIGH (5:1) | DS | 7 | 0.0041 | 0.0053 | 0.0090 | 0.0099 | 0.015 | 0.0083 | 0.004 | 44 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.0076 | 0.0098 | 0.013 | 0.017 | 0.049 | 0.019 | 0.02 | 88 |
| SFM0012 | LOW (2:8) | Lake | 5 | 0.0034 | 0.012 | 0.013 | 0.028 | 0.068 | 0.025 | 0.03 | 100 |
| SFM0015 | LOW (2:10) | Lake | 5 | 0.11 | 0.20 | 0.59 | 0.63 | 0.75 | 0.45 | 0.3 | 62 |
| SFM0022 | LOW (8:1) | Lake | 2 | 0.0034 | | 0.0076 | | 0.012 | 0.0076 | 0.006 | 78 |
| SFM0023 | LOW (2:3) | Lake | 5 | 0.0038 | 0.0039 | 0.0051 | 0.0052 | 0.0065 | 0.0049 | 0.001 | 23 |
| SFM0024 | LOW (Coast) | Sea | 1 | | | 0.043 | | | 0.043 | | |
| SFM0025 | LOW (Coast) | Sea | 5 | 0.0044 | 0.013 | 0.014 | 0.015 | 0.017 | 0.013 | 0.005 | 38 |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.062 | 0.063 | 0.068 | 0.069 | 0.070 | 0.066 | 0.003 | 5.1 |
| SFM0029 | HIGH (4:2) | not DS | 4 | 0.012 | 0.017 | 0.019 | 0.020 | 0.022 | 0.018 | 0.004 | 24 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.0039 | 0.0040 | 0.0045 | 0.0066 | 0.033 | 0.010 | 0.01 | 120 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.012 | 0.013 | 0.013 | 0.013 | 0.014 | 0.013 | 0.0006 | 4.6 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.021 | 0.030 | 0.034 | 0.092 | 0.26 | 0.087 | 0.1 | 130 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.012 | 0.013 | 0.013 | 0.014 | 0.015 | 0.014 | 0.001 | 10 |
| SFM0057 | LOW (2:8) | DS | 4 | 0.0050 | 0.0066 | 0.0078 | 0.0096 | 0.013 | 0.0084 | 0.003 | 41 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0029 | 0.0032 | 0.0034 | 0.0040 | 0.0045 | 0.0036 | 0.0008 | 23 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 108 | 0.0029 | 0.0096 | 0.015 | 0.043 | 3.0 | 0.076 | 0.3 | 400 |
| Forsmark area | Soil tubes | 'Higher' | 72 | 0.0029 | 0.0099 | 0.015 | 0.039 | 3.0 | 0.069 | 0.4 | 510 |
| Forsmark area | Soil tubes | 'Lower' | 36 | 0.0034 | 0.0070 | 0.016 | 0.068 | 0.75 | 0.090 | 0.2 | 200 |
| Forsmark area | Soil tubes | In lake | 17 | 0.0034 | 0.0051 | 0.012 | 0.11 | 0.75 | 0.14 | 0.3 | 170 |
| Forsmark area | Soil tubes | At sea | 6 | 0.0044 | 0.013 | 0.014 | 0.016 | 0.043 | 0.018 | 0.01 | 75 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 2 | 0.0034 | | 0.038 | | 0.072 | 0.038 | 0.05 | 130 |
| Forsmark area | Private wells | drilled | 6 | 0.0014 | 0.0038 | 0.0046 | 0.0068 | 0.010 | 0.0053 | 0.003 | 59 |

Ground Water

| K | | | Potassium (mg/l) | | | | | | | | K |
|-------------------------|---------------|-----------|------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 11 | 15 | 16 | 19 | 24 | 17 | 4 | 24 |
| SFM0002 | HIGH (2:1) | DS | 11 | 3.8 | 4.2 | 4.5 | 5.3 | 6.2 | 4.8 | 0.8 | 17 |
| SFM0003 | HIGH (2:1) | DS | 10 | 13 | 13 | 13 | 14 | 16 | 14 | 0.9 | 6.4 |
| SFM0005 | HIGH (Coast) | DS | 6 | 1.7 | 1.8 | 1.9 | 1.9 | 2.1 | 1.9 | 0.1 | 7.7 |
| SFM0006 | HIGH (5:1) | DS | 5 | 21 | 25 | 26 | 26 | 27 | 25 | 2 | 8.1 |
| SFM0008 | HIGH (5:1) | DS | 7 | 5.9 | 6.4 | 7.1 | 7.3 | 7.5 | 6.8 | 0.6 | 9.5 |
| SFM0009 | HIGH (2:6) | DS | 7 | 1.9 | 2.2 | 2.7 | 2.7 | 3.2 | 2.5 | 0.4 | 18 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 2.2 | | | 2.2 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 24 | | | 24 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 34 | 34 | 35 | 35 | 37 | 35 | 1 | 3.2 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 31 | | | 31 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 5.2 | | | 5.2 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 28 | 28 | 29 | 29 | 50 | 31 | 8 | 25 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 3.6 | | | 3.6 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 8.6 | | | 8.6 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 6.1 | | | 6.1 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 5.9 | | | 5.9 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 5.1 | | | 5.1 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 4.9 | | | 4.9 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 27 | 30 | 31 | 31 | 32 | 30 | 2 | 8.1 |
| SFM0023 | LOW (2:3) | Lake | 8 | 63 | 64 | 65 | 66 | 70 | 65 | 2 | 3.0 |
| SFM0024 | LOW (Coast) | Sea | 3 | 39 | 40 | 42 | 43 | 43 | 41 | 2 | 5.6 |
| SFM0025 | LOW (Coast) | Sea | 8 | 13 | 18 | 19 | 19 | 19 | 18 | 2 | 11 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 8.2 | | | 8.2 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 7.8 | 8.1 | 8.2 | 8.4 | 8.7 | 8.2 | 0.3 | 3.7 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 5.7 | | | 5.7 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 4.6 | 4.7 | 4.9 | 5.3 | 5.4 | 5.0 | 0.4 | 7.3 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 13 | | | 13 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 9.1 | 9.4 | 9.8 | 10 | 11 | 9.9 | 0.6 | 6.0 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 4.9 | 4.9 | 5.4 | 5.8 | 6.1 | 5.4 | 0.5 | 8.5 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 15 | | | 15 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 12 | | | 12 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 6.8 | 7.8 | 9.0 | 11 | 13 | 9.3 | 2 | 24 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 1.8 | 2.3 | 2.7 | 3.0 | 3.2 | 2.6 | 0.6 | 23 |
| SFM0051 | HIGH (2:1) | DS | 6 | 4.9 | 5.1 | 5.1 | 5.1 | 7.6 | 5.5 | 1 | 19 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 3.9 | 4.3 | 4.5 | 4.7 | 5.0 | 4.5 | 0.4 | 8.4 |
| SFM0056 | LOW (Coast) | not DS | 5 | 4.2 | 9.7 | 9.8 | 10 | 10 | 8.8 | 3 | 29 |
| SFM0057 | LOW (2:8) | DS | 5 | 3.0 | 4.6 | 4.7 | 4.7 | 5.9 | 4.6 | 1 | 22 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 13 | | | 13 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 4.3 | 4.7 | 5.1 | 5.6 | 6.1 | 5.2 | 0.9 | 18 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 4.4 | 4.4 | 4.4 | 4.5 | 4.7 | 4.5 | 0.2 | 3.8 |
| SFM0062 | LOW (2:3) | Lake | 3 | 5.2 | 5.2 | 5.3 | 5.7 | 6.1 | 5.5 | 0.5 | 8.7 |
| SFM0063 | LOW (2:3) | Lake | 2 | 4.9 | | 6.9 | | 9.0 | 6.9 | 3 | 42 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 14 | | | 14 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 5.0 | 5.4 | 5.5 | 5.6 | 5.7 | 5.5 | 0.2 | 4.0 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 197 | 1.7 | 5.0 | 7.8 | 18 | 70 | 14 | 10 | 110 |
| Forsmark area | Soil tubes | 'Higher' | 119 | 1.7 | 4.5 | 5.4 | 10 | 27 | 7.7 | 6 | 75 |
| Forsmark area | Soil tubes | 'Lower' | 78 | 3.0 | 8.4 | 18 | 34 | 70 | 23 | 20 | 79 |
| Forsmark area | Soil tubes | In lake | 35 | 4.9 | 28 | 34 | 44 | 70 | 36 | 20 | 54 |
| Forsmark area | Soil tubes | At sea | 11 | 13 | 18 | 19 | 29 | 43 | 24 | 10 | 46 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 18 | 2.3 | 5.9 | 6.8 | 12 | 40 | 11 | 10 | 92 |
| Forsmark area | Private wells | drilled | 27 | 2.7 | 6.3 | 13 | 26 | 38 | 16 | 10 | 65 |
| Simpevarp area | Private wells | excavated | 101 | 0.050 | 2.5 | 4.7 | 9.6 | 25 | 7.3 | 7 | 91 |
| Simpevarp area | Private wells | drilled | 252 | 0.90 | 3.0 | 4.2 | 6.2 | 18 | 5.0 | 3 | 60 |
| Simpevarp area | Soil tubes | All | 41 | 1.1 | 2.5 | 4.8 | 7.0 | 46 | 7.7 | 10 | 130 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 1.6 | 2.5 | 3.3 | 5.1 | 12 | 4.5 | 3 | 70 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 1.1 | 4.1 | 5.2 | 7.4 | 46 | 8.9 | 10 | 130 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 0.70 | 2.0 | 6.5 | 13 | 36 | 9.4 | 9 | 100 |
| Uppsala County | SGU well | excavated | 56 | 0.90 | 3.2 | 5.8 | 13 | 93 | 14 | 20 | 150 |
| Uppsala County | SGU well | drilled | 85 | 0.45 | 3.0 | 4.4 | 7.7 | 51 | 8.2 | 10 | 130 |
| Kalmar County | SGU well | excavated | 95 | 0.40 | 2.4 | 4.1 | 7.2 | 180 | 7.7 | 20 | 250 |
| Kalmar County | SGU well | drilled | 133 | 0.40 | 1.8 | 3.1 | 6.6 | 100 | 7.0 | 10 | 180 |
| Sweden | SGU well | excavated | 974 | 0.030 | 1.7 | 3.2 | 6.6 | 180 | 7.0 | 10 | 180 |
| Sweden | SGU well | drilled | 2223 | 0.0050 | 1.7 | 2.9 | 5.0 | 370 | 5.6 | 10 | 260 |

Ground Water

| Pr | | | Praseodymium (µg/l) | | | | | | | | Pr |
|------------------|--------------|----------|---------------------|--------|--------|------------------|-------|-------|--------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.37 | 0.51 | 0.57 | 0.68 | 1.4 | 0.69 | 0.4 | 54 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.36 | 0.48 | 0.52 | 0.57 | 0.89 | 0.55 | 0.2 | 33 |
| SFM0003 | HIGH (2:1) | DS | 6 | 0.027 | 0.032 | 0.042 | 0.047 | 0.084 | 0.045 | 0.02 | 46 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.48 | 0.56 | 0.64 | 0.64 | 0.65 | 0.59 | 0.09 | 16 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.85 | 0.94 | 1.0 | 1.2 | 1.5 | 1.1 | 0.3 | 29 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.055 | 0.068 | 0.071 | 0.100 | 0.17 | 0.092 | 0.04 | 48 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.28 | 0.29 | 0.34 | 0.38 | 0.65 | 0.39 | 0.2 | 40 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.0060 | 0.0070 | 0.011 | 0.013 | 0.027 | 0.013 | 0.009 | 67 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.41 | 0.42 | 0.46 | 0.47 | 0.57 | 0.47 | 0.07 | 14 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.26 | 0.28 | 0.35 | 0.52 | 0.63 | 0.41 | 0.2 | 39 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.29 | 0.32 | 0.39 | 0.39 | 0.42 | 0.36 | 0.06 | 15 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.32 | 0.47 | 0.69 | 0.89 | 0.97 | 0.67 | 0.3 | 45 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.33 | 0.36 | 0.40 | 0.54 | 0.69 | 0.47 | 0.2 | 41 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.19 | 0.36 | 0.43 | 0.48 | 0.59 | 0.41 | 0.2 | 40 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.078 | 0.099 | 0.14 | 0.18 | 0.24 | 0.15 | 0.07 | 48 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.0066 | 0.0099 | 0.012 | 0.051 | 0.17 | 0.049 | 0.08 | 160 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.70 | 0.88 | 0.96 | 0.99 | 1.6 | 1.0 | 0.3 | 31 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.12 | 0.14 | 0.15 | 0.16 | 0.17 | 0.15 | 0.02 | 16 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | 0.084 | 0.36 | 0.57 | 1.6 | 0.39 | 0.3 | 88 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | 0.17 | 0.39 | 0.55 | 1.5 | 0.40 | 0.3 | 73 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.82 | 1.6 | 0.37 | 0.5 | 130 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.061 | 2.0 | 4.5 | 6.7 | 26 | 6.6 | 7 | 110 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 4.0 | 4.6 | 5.3 | 12 | 19 | 9.4 | 8 | 89 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.061 | 1.5 | 3.5 | 6.3 | 26 | 6.0 | 7 | 120 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.085 | 0.28 | 0.52 | 0.79 | 2.9 | 0.72 | 0.8 | 100 |

| Ra-226 | | | Radium-226 (Bq/l) | | | | | | | | Ra-226 |
|------------------|--------------|----------|-------------------|---------|--------|----------------|-------|------|------|------|--------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 4 | 0.10 | 0.10 | 0.30 | 0.50 | 0.50 | 0.30 | 0.2 | 77 |
| SFM0002 | HIGH (2:1) | DS | 4 | 0.20 | 0.43 | 0.55 | 0.65 | 0.80 | 0.53 | 0.3 | 48 |
| SFM0003 | HIGH (2:1) | DS | 4 | <0.1 | <0.1 | <0.1 | <0.1 | 0.10 | <0.1 | 0.03 | 40 |
| SFM0005 | HIGH (Coast) | DS | 1 | | | 0.10 | | | 0.10 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | <0.1 | | | <0.1 | | |
| SFM0008 | HIGH (5:1) | DS | 3 | 0.10 | 0.10 | 0.10 | 0.20 | 0.30 | 0.17 | 0.1 | 69 |
| SFM0009 | HIGH (2:6) | DS | 2 | 0.10 | | 0.40 | | 0.70 | 0.40 | 0.4 | 110 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 0.50 | | | 0.50 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.60 | | | 0.60 | | |
| SFM0027 | LOW (8:1) | not DS | 2 | 0.20 | | 0.20 | | 0.20 | 0.20 | | |
| SFM0029 | HIGH (4:2) | not DS | 2 | 0.10 | | 0.15 | | 0.20 | 0.15 | 0.07 | 47 |
| SFM0031 | HIGH (2:3) | not DS | 2 | 0.10 | | 0.30 | | 0.50 | 0.30 | 0.3 | 94 |
| SFM0032 | HIGH (2:3) | not DS | 2 | 0.10 | | 0.20 | | 0.30 | 0.20 | 0.1 | 71 |
| SFM0037 | LOW (2:1) | not DS | 2 | <0.1 | | 0.13 | | 0.20 | 0.13 | 0.1 | 85 |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | 0.30 | | | 0.30 | | |
| SFM0057 | LOW (2:8) | DS | 2 | 0.20 | | 0.55 | | 0.90 | 0.55 | 0.5 | 90 |
| SFM0060 | HIGH (Coast) | not DS | 1 | | | <0.1 | | | <0.1 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 35 | <0.1 | 0.10 | 0.20 | 0.50 | 0.90 | 0.27 | 0.2 | 88 |
| Forsmark area | Soil tubes | 'Higher' | 27 | <0.1 | 0.10 | 0.10 | 0.40 | 0.80 | 0.25 | 0.2 | 91 |
| Forsmark area | Soil tubes | 'Lower' | 8 | <0.1 | 0.20 | 0.20 | 0.53 | 0.90 | 0.36 | 0.3 | 80 |
| Forsmark area | Soil tubes | In lake | 2 | 0.50 | | 0.55 | | 0.60 | 0.55 | 0.07 | 13 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 27 | <0.1 | 0.10 | 0.10 | 0.20 | 0.50 | 0.14 | 0.1 | 71 |
| Simpevarp area | Soil tubes | 'Higher' | 6 | 0.10 | 0.10 | 0.10 | 0.10 | 0.20 | 0.12 | 0.04 | 35 |
| Simpevarp area | Soil tubes | 'Lower' | 21 | <0.1 | 0.10 | 0.10 | 0.20 | 0.50 | 0.15 | 0.1 | 75 |
| Sweden | SSI well | drilled | 492 | 0.00020 | 0.0050 | 0.012 | 0.035 | 2.5 | | | |

Ground Water

| Rn-222 | | | Radon-222 (Bq/l) | | | | | | | | Rn-222 | |
|-------------------------|--------------|-----------|-------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|---------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 4 | 24 | 25 | 27 | 29 | 33 | 28 | 4 | 14 | |
| SFM0002 | HIGH (2:1) | DS | 4 | 25 | 42 | 53 | 64 | 78 | 52 | 20 | 43 | |
| SFM0003 | HIGH (2:1) | DS | 4 | 9.8 | 14 | 19 | 23 | 26 | 18 | 7 | 38 | |
| SFM0005 | HIGH (Coast) | DS | 1 | | | 75 | | | 75 | | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | 7.7 | | | 7.7 | | | |
| SFM0008 | HIGH (5:1) | DS | 3 | 20 | 25 | 30 | 35 | 40 | 30 | 10 | 34 | |
| SFM0009 | HIGH (2:6) | DS | 2 | 34 | | 40 | | 46 | 40 | 9 | 22 | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 65 | | | 65 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 75 | | | 75 | | | |
| SFM0027 | LOW (8:1) | not DS | 2 | 150 | | 160 | | 180 | 160 | 20 | 12 | |
| SFM0029 | HIGH (4:2) | not DS | 2 | 9.6 | | 12 | | 15 | 12 | 4 | 29 | |
| SFM0031 | HIGH (2:3) | not DS | 2 | 29 | | 89 | | 150 | 89 | 90 | 96 | |
| SFM0032 | HIGH (2:3) | not DS | 2 | 19 | | 34 | | 48 | 34 | 20 | 63 | |
| SFM0037 | LOW (2:1) | not DS | 2 | 29 | | 31 | | 33 | 31 | 2 | 7.5 | |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | 19 | | | 19 | | | |
| SFM0057 | LOW (2:8) | DS | 2 | 23 | | 29 | | 35 | 29 | 9 | 31 | |
| SFM0060 | HIGH (Coast) | not DS | 1 | | | 36 | | | 36 | | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 35 | 7.7 | 22 | 30 | 48 | 180 | 44 | 40 | 90 | |
| Forsmark area | Soil tubes | 'Higher' | 27 | 7.7 | 19 | 28 | 43 | 150 | 36 | 30 | 80 | |
| Forsmark area | Soil tubes | 'Lower' | 8 | 23 | 32 | 50 | 93 | 180 | 73 | 60 | 80 | |
| Forsmark area | Soil tubes | In lake | 2 | 65 | | 70 | | 75 | 70 | 7 | 10 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 27 | 11 | 15 | 22 | 26 | 56 | 23 | 10 | 45 | |
| Simpevarp area | Soil tubes | 'Higher' | 6 | 11 | 16 | 21 | 23 | 24 | 19 | 5 | 29 | |
| Simpevarp area | Soil tubes | 'Lower' | 21 | 11 | 15 | 22 | 28 | 56 | 24 | 10 | 46 | |
| Sweden | SSI well | drilled | 1000 | | 30 | 85 | 220 | 9300 | | | | |
| Sweden | SSI well | excavated | 1000 | 1.0 | 8.0 | 20 | 49 | 950 | | | | |

| Rb | | | Rubidium (µg/l) | | | | | | | | Rb | |
|-------------------------|--------------|----------|------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 6 | 2.3 | 2.8 | 4.3 | 4.7 | 5.5 | 3.9 | 1 | 34 | |
| SFM0002 | HIGH (2:1) | DS | 6 | 1.5 | 1.8 | 2.0 | 2.2 | 2.5 | 2.0 | 0.3 | 17 | |
| SFM0003 | HIGH (2:1) | DS | 6 | 1.4 | 1.5 | 1.5 | 1.5 | 1.6 | 1.5 | 0.09 | 5.7 | |
| SFM0005 | HIGH (Coast) | DS | 3 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 | 0.08 | 4.9 | |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.77 | 0.81 | 0.86 | 1.2 | 1.5 | 1.0 | 0.4 | 38 | |
| SFM0008 | HIGH (5:1) | DS | 5 | 1.9 | 1.9 | 2.2 | 2.4 | 4.0 | 2.5 | 0.9 | 34 | |
| SFM0009 | HIGH (2:6) | DS | 5 | 2.3 | 2.5 | 3.5 | 4.3 | 4.3 | 3.4 | 1.0 | 28 | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 4.9 | | | 4.9 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 5.3 | | | 5.3 | | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | 17 | | | 17 | | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | 6.2 | | | 6.2 | | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 1.8 | 2.5 | 3.0 | 3.0 | 3.1 | 2.7 | 0.6 | 21 | |
| SFM0029 | HIGH (4:2) | not DS | 5 | 1.5 | 1.5 | 1.7 | 1.8 | 2.2 | 1.7 | 0.3 | 18 | |
| SFM0031 | HIGH (2:3) | not DS | 5 | 1.1 | 1.4 | 1.4 | 1.5 | 1.5 | 1.4 | 0.2 | 11 | |
| SFM0032 | HIGH (2:3) | not DS | 5 | 1.7 | 1.8 | 2.4 | 2.4 | 2.5 | 2.2 | 0.4 | 16 | |
| SFM0037 | LOW (2:1) | not DS | 4 | 2.2 | 2.2 | 3.1 | 3.9 | 3.9 | 3.0 | 1.0 | 32 | |
| SFM0049 | HIGH (Coast) | not DS | 3 | 3.0 | 3.4 | 3.9 | 4.8 | 5.7 | 4.2 | 1 | 33 | |
| SFM0051 | HIGH (2:1) | DS | 4 | 2.0 | 2.1 | 2.4 | 2.9 | 4.0 | 2.7 | 0.9 | 35 | |
| SFM0053 | HIGH (4:2) | not DS | 4 | 2.0 | 2.2 | 2.3 | 2.4 | 2.4 | 2.3 | 0.2 | 8.3 | |
| SFM0056 | LOW (Coast) | not DS | 4 | 2.0 | 2.1 | 2.2 | 2.4 | 2.7 | 2.3 | 0.3 | 13 | |
| SFM0057 | LOW (2:8) | DS | 5 | 3.3 | 3.5 | 3.8 | 5.0 | 5.5 | 4.2 | 1.0 | 23 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 4.3 | 4.4 | 4.6 | 5.2 | 5.8 | 4.9 | 0.8 | 16 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 85 | 0.77 | 1.7 | 2.3 | 3.8 | 17 | 2.9 | 2 | 70 | |
| Forsmark area | Soil tubes | 'Higher' | 63 | 0.77 | 1.6 | 2.2 | 2.5 | 5.8 | 2.5 | 1 | 49 | |
| Forsmark area | Soil tubes | 'Lower' | 22 | 1.8 | 2.4 | 3.2 | 4.6 | 17 | 4.1 | 3 | 78 | |
| Forsmark area | Soil tubes | In lake | 3 | 4.9 | 5.1 | 5.3 | 11 | 17 | 9.1 | 7 | 76 | |
| Forsmark area | Soil tubes | At sea | 1 | | | 6.2 | | | 6.2 | | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 18 | 2.2 | 7.5 | 8.7 | 24 | 45 | 16 | 10 | 83 | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 7.5 | 8.3 | 9.1 | 22 | 34 | 17 | 20 | 89 | |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 2.2 | 7.4 | 8.2 | 24 | 45 | 16 | 10 | 85 | |
| Laxemar pre-PLU | Soil tubes | All | 12 | 1.3 | 2.5 | 4.2 | 5.8 | 9.9 | 4.6 | 3 | 56 | |

Ground Water

| Sm | | | Samarium (µg/l) | | | | | | | | Sm |
|-------------------------|--------------|----------|-----------------|------------|-------------|------------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.25 | 0.35 | 0.36 | 0.46 | 0.95 | 0.46 | 0.3 | 55 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.27 | 0.32 | 0.35 | 0.40 | 0.56 | 0.38 | 0.1 | 27 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | 0.027 | 0.030 | 0.049 | 0.026 | 0.01 | 51 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.31 | 0.35 | 0.39 | 0.41 | 0.42 | 0.38 | 0.06 | 16 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.52 | 0.58 | 0.64 | 0.72 | 0.81 | 0.66 | 0.1 | 22 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.033 | 0.039 | 0.042 | 0.067 | 0.11 | 0.058 | 0.03 | 54 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.16 | 0.17 | 0.20 | 0.24 | 0.38 | 0.23 | 0.09 | 39 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.0070 | 0.0070 | 0.0080 | 0.011 | 0.027 | 0.012 | 0.008 | 71 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.22 | 0.24 | 0.27 | 0.29 | 0.34 | 0.27 | 0.05 | 17 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.15 | 0.16 | 0.20 | 0.27 | 0.36 | 0.23 | 0.09 | 38 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.20 | 0.22 | 0.24 | 0.27 | 0.29 | 0.24 | 0.04 | 15 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.24 | 0.32 | 0.49 | 0.65 | 0.71 | 0.48 | 0.2 | 47 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.24 | 0.24 | 0.25 | 0.34 | 0.44 | 0.31 | 0.1 | 38 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.15 | 0.25 | 0.31 | 0.36 | 0.42 | 0.30 | 0.1 | 39 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.056 | 0.064 | 0.094 | 0.13 | 0.17 | 0.10 | 0.05 | 51 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.005 | 0.0068 | 0.0086 | 0.035 | 0.11 | 0.033 | 0.05 | 160 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.42 | 0.48 | 0.61 | 0.64 | 1.0 | 0.64 | 0.2 | 38 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.073 | 0.085 | 0.098 | 0.099 | 0.099 | 0.090 | 0.01 | 17 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | 0.056 | 0.24 | 0.36 | 1.0 | 0.25 | 0.2 | 88 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | 0.12 | 0.24 | 0.35 | 0.95 | 0.26 | 0.2 | 72 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.46 | 1.0 | 0.24 | 0.3 | 130 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.039 | 1.3 | 2.7 | 4.1 | 15 | 3.8 | 4 | 100 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 2.6 | 3.0 | 3.5 | 6.8 | 10 | 5.4 | 4 | 77 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.039 | 0.96 | 2.3 | 3.9 | 15 | 3.5 | 4 | 110 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.075 | 0.19 | 0.35 | 0.46 | 1.9 | 0.47 | 0.5 | 100 |

Ground Water

| Sc | | | Scandium (µg/l) | | | | | | | | Sc |
|-------------------------|--------------|----------|-----------------|------------|-------------|-----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 46 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.088 | 0.11 | 0.12 | 0.12 | 0.16 | 0.12 | 0.02 | 19 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 110 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.077 | 0.090 | 0.10 | 0.11 | 0.11 | 0.096 | 0.02 | 18 |
| SFM0006 | HIGH (5:1) | DS | 3 | <0.05 | <0.05 | <0.05 | <0.05 | 0.051 | <0.05 | 0.01 | 38 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.05 | <0.05 | <0.05 | 0.056 | 0.057 | <0.05 | 0.02 | 46 |
| SFM0009 | HIGH (2:6) | DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | 0.056 | <0.05 | 0.01 | 44 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.5 | | | <0.5 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.5 | | | <0.5 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.5 | | | <0.5 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| SFM0029 | HIGH (4:2) | not DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | | |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.052 | 0.052 | 0.054 | 0.067 | 0.094 | 0.064 | 0.02 | 28 |
| SFM0032 | HIGH (2:3) | not DS | 5 | <0.05 | 0.055 | 0.066 | 0.076 | 0.077 | 0.060 | 0.02 | 36 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.071 | 0.075 | 0.13 | 0.19 | 0.22 | 0.14 | 0.08 | 55 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.082 | 0.082 | 0.082 | 0.11 | 0.14 | 0.100 | 0.03 | 31 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.14 | 0.19 | 0.21 | 0.24 | 0.32 | 0.22 | 0.07 | 34 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.091 | 0.091 | 0.11 | 0.13 | 0.16 | 0.12 | 0.03 | 29 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.08 | <0.08 | <0.08 | <0.08 | 0.12 | <0.08 | 0.04 | 85 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.10 | 0.12 | 0.18 | 0.19 | 0.27 | 0.17 | 0.07 | 38 |
| SFM0060 | HIGH (Coast) | not DS | 3 | <0.05 | <0.05 | <0.05 | <0.05 | 0.051 | <0.05 | 0.02 | 45 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.07 | 81 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.06 | 77 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.09 | 80 |
| Forsmark area | Soil tubes | In lake | 3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.5 | | | <0.5 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.05 | 0.39 | 0.82 | 1.7 | 4.0 | 1.2 | 1 | 96 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.50 | 0.60 | 0.70 | 1.9 | 3.1 | 1.4 | 1 | 100 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.05 | 0.33 | 0.83 | 1.5 | 4.0 | 1.1 | 1 | 99 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.034 | 0.046 | 0.076 | 0.12 | 0.67 | 0.14 | 0.2 | 130 |

Ground Water

| Si | | | Silicon (mg/l) | | | | | | | | Si |
|-------------------------|---------------|-----------|-----------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 6.3 | 6.4 | 6.6 | 7.6 | 8.0 | 6.9 | 0.7 | 9.6 |
| SFM0002 | HIGH (2:1) | DS | 11 | 5.1 | 5.3 | 5.5 | 6.1 | 8.2 | 5.9 | 0.9 | 15 |
| SFM0003 | HIGH (2:1) | DS | 10 | 8.8 | 9.3 | 9.5 | 10 | 14 | 10.0 | 2 | 15 |
| SFM0005 | HIGH (Coast) | DS | 6 | 3.8 | 4.0 | 4.4 | 4.6 | 5.5 | 4.4 | 0.6 | 13 |
| SFM0006 | HIGH (5:1) | DS | 5 | 5.3 | 5.5 | 5.6 | 6.0 | 6.1 | 5.7 | 0.3 | 5.9 |
| SFM0008 | HIGH (5:1) | DS | 7 | 4.5 | 4.5 | 4.6 | 4.8 | 5.2 | 4.7 | 0.3 | 5.5 |
| SFM0009 | HIGH (2:6) | DS | 7 | 3.4 | 3.8 | 4.2 | 4.3 | 4.8 | 4.1 | 0.5 | 12 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 4.1 | | | 4.1 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 5.5 | | | 5.5 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 5.7 | 6.8 | 7.2 | 7.9 | 10 | 7.4 | 1 | 17 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 5.1 | | | 5.1 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 4.5 | | | 4.5 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 7.8 | 8.0 | 8.3 | 8.8 | 14 | 9.1 | 2 | 23 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 4.9 | | | 4.9 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 7.2 | | | 7.2 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 4.2 | | | 4.2 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 5.0 | | | 5.0 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 4.5 | | | 4.5 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 4.3 | | | 4.3 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 6.8 | 8.0 | 9.0 | 10.0 | 11 | 9.0 | 2 | 20 |
| SFM0023 | LOW (2:3) | Lake | 8 | 1.2 | 3.8 | 4.9 | 6.0 | 7.0 | 4.5 | 2 | 46 |
| SFM0024 | LOW (Coast) | Sea | 3 | 5.6 | 5.9 | 6.3 | 6.4 | 6.5 | 6.1 | 0.4 | 7.2 |
| SFM0025 | LOW (Coast) | Sea | 8 | 5.5 | 8.5 | 8.9 | 9.2 | 9.7 | 8.5 | 1 | 15 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 5.6 | | | 5.6 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 7.3 | 7.7 | 8.3 | 9.0 | 10 | 8.4 | 1.0 | 12 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 5.4 | | | 5.4 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 5.0 | 5.6 | 5.7 | 6.1 | 6.3 | 5.8 | 0.4 | 7.8 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 6.1 | | | 6.1 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 7.2 | 7.5 | 7.9 | 8.6 | 9.2 | 8.1 | 0.7 | 9.3 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 5.5 | 5.9 | 6.5 | 7.0 | 8.0 | 6.5 | 0.8 | 12 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 5.0 | | | 5.0 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 5.5 | | | 5.5 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 5.3 | 6.0 | 6.8 | 7.4 | 8.2 | 6.7 | 1 | 16 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 4.0 | 4.3 | 4.6 | 4.8 | 5.0 | 4.5 | 0.4 | 9.7 |
| SFM0051 | HIGH (2:1) | DS | 6 | 7.0 | 7.2 | 7.7 | 7.9 | 9.1 | 7.7 | 0.8 | 10 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 5.1 | 5.4 | 5.7 | 5.8 | 6.3 | 5.7 | 0.4 | 7.6 |
| SFM0056 | LOW (Coast) | not DS | 6 | 5.2 | 7.3 | 8.0 | 8.8 | 9.4 | 7.8 | 2 | 20 |
| SFM0057 | LOW (2:8) | DS | 6 | 3.2 | 3.3 | 3.5 | 3.7 | 4.2 | 3.6 | 0.4 | 11 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 7.0 | | | 7.0 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.5 | 3.4 | 0.08 | 2.3 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 3.0 | 3.0 | 3.0 | 3.4 | 3.8 | 3.2 | 0.4 | 13 |
| SFM0062 | LOW (2:3) | Lake | 3 | 2.7 | 3.0 | 3.3 | 3.9 | 4.4 | 3.5 | 0.9 | 25 |
| SFM0063 | LOW (2:3) | Lake | 2 | 1.0 | | 2.4 | | 3.7 | 2.4 | 2 | 81 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 3.0 | | | 3.0 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 6.1 | 6.3 | 6.4 | 6.4 | 6.5 | 6.4 | 0.1 | 1.9 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 199 | 1.0 | 5.0 | 6.3 | 7.8 | 14 | 6.4 | 2 | 33 |
| Forsmark area | Soil tubes | 'Higher' | 119 | 3.0 | 4.9 | 6.0 | 7.0 | 14 | 6.1 | 2 | 30 |
| Forsmark area | Soil tubes | 'Lower' | 80 | 1.0 | 5.2 | 6.9 | 8.3 | 14 | 6.7 | 2 | 36 |
| Forsmark area | Soil tubes | In lake | 35 | 1.0 | 4.6 | 6.8 | 8.2 | 14 | 6.6 | 3 | 44 |
| Forsmark area | Soil tubes | At sea | 11 | 5.5 | 6.4 | 8.6 | 9.0 | 9.7 | 7.8 | 2 | 20 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 6 | 3.8 | 4.2 | 5.4 | 6.2 | 7.2 | 5.3 | 1 | 26 |
| Forsmark area | Private wells | drilled | 14 | 4.9 | 6.0 | 6.5 | 7.0 | 8.4 | 6.5 | 0.9 | 14 |
| Simpevarp area | Soil tubes | All | 41 | 4.3 | 8.5 | 11 | 15 | 26 | 12 | 5 | 42 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 4.9 | 9.8 | 11 | 14 | 20 | 12 | 4 | 33 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 4.3 | 8.1 | 11 | 15 | 26 | 12 | 5 | 45 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 6.3 | 10 | 16 | 19 | 23 | 15 | 5 | 37 |

Ground Water

| SiO2-Si | | | Silicon as silicate (mg/l) | | | | | | | | SiO2-Si | |
|-------------------------|---------------|-----------|-----------------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|----------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 11 | 4.0 | 5.3 | 6.3 | 7.2 | 7.9 | 6.2 | 1 | 21 | |
| SFM0002 | HIGH (2:1) | DS | 11 | 1.9 | 4.7 | 5.3 | 5.5 | 6.1 | 4.9 | 1 | 25 | |
| SFM0003 | HIGH (2:1) | DS | 11 | 3.6 | 8.7 | 9.7 | 9.8 | 11 | 8.9 | 2 | 23 | |
| SFM0005 | HIGH (Coast) | DS | 6 | 2.8 | 4.2 | 4.4 | 4.5 | 4.7 | 4.2 | 0.7 | 16 | |
| SFM0006 | HIGH (5:1) | DS | 5 | 5.3 | 5.4 | 5.7 | 5.9 | 6.0 | 5.7 | 0.3 | 5.8 | |
| SFM0008 | HIGH (5:1) | DS | 8 | 4.4 | 4.5 | 4.6 | 5.2 | 5.4 | 4.8 | 0.4 | 8.4 | |
| SFM0009 | HIGH (2:6) | DS | 6 | 3.7 | 3.8 | 3.9 | 4.5 | 4.9 | 4.2 | 0.5 | 12 | |
| SFM0012 | LOW (2:8) | Lake | 7 | 6.7 | 7.0 | 7.1 | 7.7 | 8.4 | 7.3 | 0.6 | 8.6 | |
| SFM0015 | LOW (2:10) | Lake | 6 | 7.4 | 8.0 | 8.5 | 8.7 | 8.8 | 8.3 | 0.6 | 6.9 | |
| SFM0022 | LOW (8:1) | Lake | 3 | 7.7 | 8.1 | 8.5 | 8.5 | 8.5 | 8.2 | 0.4 | 5.2 | |
| SFM0023 | LOW (2:3) | Lake | 6 | 1.2 | 2.2 | 3.9 | 4.5 | 5.5 | 3.5 | 2 | 48 | |
| SFM0024 | LOW (Coast) | Sea | 2 | 5.8 | | 6.4 | | 6.9 | 6.4 | 0.8 | 13 | |
| SFM0025 | LOW (Coast) | Sea | 6 | 8.3 | 8.4 | 8.9 | 9.5 | 11 | 9.1 | 1.0 | 10 | |
| SFM0027 | LOW (8:1) | not DS | 6 | 6.4 | 7.9 | 8.3 | 8.8 | 9.1 | 8.1 | 1.0 | 12 | |
| SFM0029 | HIGH (4:2) | not DS | 5 | 5.4 | 5.9 | 6.0 | 6.1 | 6.2 | 5.9 | 0.3 | 5.5 | |
| SFM0031 | HIGH (2:3) | not DS | 6 | 7.7 | 7.8 | 8.1 | 8.3 | 8.8 | 8.1 | 0.4 | 5.0 | |
| SFM0032 | HIGH (2:3) | not DS | 6 | 5.9 | 6.5 | 7.0 | 7.1 | 7.7 | 6.8 | 0.6 | 9.5 | |
| SFM0037 | LOW (2:1) | not DS | 6 | 5.1 | 5.8 | 6.1 | 6.6 | 7.7 | 6.2 | 0.9 | 14 | |
| SFM0049 | HIGH (Coast) | not DS | 3 | 3.9 | 4.1 | 4.4 | 4.7 | 5.0 | 4.4 | 0.5 | 12 | |
| SFM0057 | LOW (2:8) | DS | 5 | 3.2 | 3.2 | 3.6 | 3.7 | 4.2 | 3.6 | 0.4 | 12 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.3 | 0.07 | 2.1 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 128 | 1.2 | 4.6 | 6.0 | 7.8 | 11 | 6.2 | 2 | 33 | |
| Forsmark area | Soil tubes | 'Higher' | 81 | 1.9 | 4.5 | 5.5 | 7.1 | 11 | 5.9 | 2 | 33 | |
| Forsmark area | Soil tubes | 'Lower' | 47 | 1.2 | 5.7 | 7.3 | 8.4 | 11 | 6.8 | 2 | 32 | |
| Forsmark area | Soil tubes | In lake | 22 | 1.2 | 5.8 | 7.3 | 8.4 | 8.8 | 6.7 | 2 | 34 | |
| Forsmark area | Soil tubes | At sea | 8 | 5.8 | 8.0 | 8.4 | 9.4 | 11 | 8.4 | 2 | 18 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Private wells | excavated | 4 | 4.1 | 4.4 | 5.2 | 6.1 | 6.7 | 5.3 | 1 | 22 | |
| Forsmark area | Private wells | drilled | 9 | 4.9 | 5.9 | 6.7 | 7.5 | 7.8 | 6.5 | 1 | 16 | |

Ground Water

| Na | | | Sodium (mg/l) | | | | | | | | Na |
|-------------------------|---------------|-----------|---------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 120 | 240 | 260 | 340 | 410 | 270 | 100 | 36 |
| SFM0002 | HIGH (2:1) | DS | 11 | 15 | 19 | 22 | 39 | 47 | 28 | 10 | 41 |
| SFM0003 | HIGH (2:1) | DS | 10 | 24 | 24 | 26 | 30 | 34 | 27 | 4 | 14 |
| SFM0005 | HIGH (Coast) | DS | 6 | 5.4 | 6.0 | 7.1 | 8.2 | 8.7 | 7.1 | 1 | 19 |
| SFM0006 | HIGH (5:1) | DS | 5 | 9.5 | 18 | 20 | 23 | 30 | 20 | 7 | 36 |
| SFM0008 | HIGH (5:1) | DS | 7 | 9.2 | 19 | 30 | 36 | 64 | 30 | 20 | 60 |
| SFM0009 | HIGH (2:6) | DS | 7 | 4.7 | 5.5 | 5.9 | 6.3 | 7.2 | 5.9 | 0.8 | 14 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 2.2 | | | 2.2 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 1000 | | | 1000 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 1100 | 1100 | 1100 | 1100 | 1200 | 1100 | 30 | 2.9 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 790 | | | 790 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 15 | | | 15 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 240 | 260 | 270 | 290 | 460 | 290 | 70 | 24 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 23 | | | 23 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 150 | | | 150 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 130 | | | 130 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 7.0 | | | 7.0 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 8.0 | | | 8.0 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 11 | | | 11 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 500 | 590 | 630 | 640 | 690 | 610 | 80 | 13 |
| SFM0023 | LOW (2:3) | Lake | 8 | 1600 | 1600 | 1600 | 1600 | 1600 | 1600 | 20 | 1.4 |
| SFM0024 | LOW (Coast) | Sea | 3 | 880 | 900 | 920 | 940 | 970 | 920 | 50 | 4.9 |
| SFM0025 | LOW (Coast) | Sea | 8 | 350 | 720 | 730 | 740 | 750 | 680 | 100 | 20 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 73 | | | 73 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 120 | 130 | 130 | 140 | 140 | 130 | 8 | 6.1 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 16 | | | 16 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 15 | 15 | 16 | 26 | 33 | 21 | 8 | 39 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 110 | | | 110 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 15 | 18 | 19 | 21 | 24 | 20 | 3 | 15 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 23 | 25 | 27 | 32 | 48 | 30 | 8 | 27 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 260 | | | 260 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 130 | | | 130 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 48 | 58 | 90 | 100 | 160 | 88 | 40 | 43 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 12 | 12 | 12 | 12 | 13 | 12 | 0.4 | 3.6 |
| SFM0051 | HIGH (2:1) | DS | 6 | 5.1 | 16 | 17 | 19 | 21 | 16 | 6 | 35 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 4.6 | 9.5 | 9.6 | 9.8 | 11 | 9.1 | 2 | 25 |
| SFM0056 | LOW (Coast) | not DS | 5 | 9.3 | 490 | 500 | 500 | 500 | 400 | 200 | 55 |
| SFM0057 | LOW (2:8) | DS | 5 | 37 | 71 | 83 | 92 | 110 | 78 | 30 | 34 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 270 | | | 270 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 5.8 | 6.2 | 6.6 | 16 | 26 | 13 | 10 | 90 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 6.5 | 8.0 | 9.4 | 10 | 11 | 9.0 | 2 | 25 |
| SFM0062 | LOW (2:3) | Lake | 3 | 23 | 24 | 26 | 26 | 27 | 25 | 2 | 7.8 |
| SFM0063 | LOW (2:3) | Lake | 2 | 17 | | 61 | | 110 | 61 | 60 | 100 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 220 | | | 220 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 25 | 38 | 43 | 45 | 47 | 40 | 7 | 17 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 197 | 2.2 | 17 | 37 | 260 | 1600 | 240 | 400 | 170 |
| Forsmark area | Soil tubes | 'Higher' | 119 | 2.2 | 11 | 22 | 33 | 410 | 45 | 80 | 170 |
| Forsmark area | Soil tubes | 'Lower' | 78 | 9.3 | 130 | 340 | 910 | 1600 | 550 | 500 | 92 |
| Forsmark area | Soil tubes | In lake | 35 | 17 | 260 | 690 | 1200 | 1600 | 800 | 600 | 73 |
| Forsmark area | Soil tubes | At sea | 11 | 350 | 720 | 740 | 820 | 970 | 750 | 200 | 21 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 18 | 2.8 | 5.9 | 14 | 43 | 650 | 91 | 200 | 200 |
| Forsmark area | Private wells | drilled | 27 | 8.0 | 43 | 120 | 920 | 1900 | 500 | 600 | 130 |
| Simpevarp area | Private wells | excavated | 101 | 2.0 | 4.9 | 9.0 | 27 | 350 | 35 | 70 | 200 |
| Simpevarp area | Private wells | drilled | 252 | 4.6 | 27 | 62 | 140 | 650 | 110 | 100 | 110 |
| Simpevarp area | Soil tubes | All | 41 | 4.6 | 7.5 | 12 | 39 | 230 | 39 | 60 | 150 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 5.4 | 5.9 | 6.5 | 9.2 | 59 | 13 | 20 | 120 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 4.6 | 9.8 | 25 | 63 | 230 | 49 | 70 | 130 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 9.3 | 41 | 140 | 310 | 810 | 230 | 200 | 110 |
| Uppsala County | SGU well | excavated | 56 | 1.8 | 6.8 | 11 | 15 | 260 | 16 | 30 | 210 |
| Uppsala County | SGU well | drilled | 85 | 3.4 | 18 | 41 | 86 | 210 | 57 | 50 | 89 |
| Kalmar County | SGU well | excavated | 95 | 1.9 | 6.0 | 8.5 | 13 | 130 | 13 | 20 | 140 |
| Kalmar County | SGU well | drilled | 133 | 3.8 | 9.3 | 17 | 35 | 600 | 50 | 90 | 190 |
| Sweden | SGU well | excavated | 1054 | 0.67 | 4.5 | 7.9 | 14 | 550 | 14 | 30 | 210 |
| Sweden | SGU well | drilled | 2237 | 1.0 | 9.0 | 21 | 59 | 1800 | 56 | 100 | 200 |

Ground Water

| Sr | | | Strontium (mg/l) | | | | | | | | Sr |
|-------------------------|---------------|-----------|------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 0.24 | 0.31 | 0.33 | 0.38 | 0.50 | 0.35 | 0.08 | 22 |
| SFM0002 | HIGH (2:1) | DS | 11 | 0.15 | 0.16 | 0.17 | 0.20 | 0.25 | 0.18 | 0.03 | 16 |
| SFM0003 | HIGH (2:1) | DS | 9 | 0.42 | 0.45 | 0.46 | 0.47 | 0.50 | 0.46 | 0.02 | 4.7 |
| SFM0005 | HIGH (Coast) | DS | 6 | 0.11 | 0.11 | 0.11 | 0.12 | 0.13 | 0.11 | 0.008 | 7.1 |
| SFM0006 | HIGH (5:1) | DS | 5 | 0.15 | 0.17 | 0.19 | 0.24 | 0.26 | 0.20 | 0.05 | 24 |
| SFM0008 | HIGH (5:1) | DS | 7 | 0.20 | 0.23 | 0.24 | 0.27 | 0.30 | 0.25 | 0.03 | 14 |
| SFM0009 | HIGH (2:6) | DS | 7 | 0.087 | 0.095 | 0.098 | 0.11 | 0.13 | 0.10 | 0.01 | 13 |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 0.077 | | | 0.077 | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 1.1 | | | 1.1 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 1.9 | 1.9 | 2.0 | 2.1 | 2.3 | 2.0 | 0.2 | 7.7 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 2.4 | | | 2.4 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 0.17 | | | 0.17 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 0.43 | 0.48 | 0.50 | 0.53 | 0.83 | 0.54 | 0.1 | 23 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 0.18 | | | 0.18 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 0.17 | | | 0.17 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 0.080 | | | 0.080 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 0.27 | | | 0.27 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 0.18 | | | 0.18 | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 0.18 | | | 0.18 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 1.5 | 1.9 | 2.1 | 2.4 | 2.6 | 2.1 | 0.5 | 23 |
| SFM0023 | LOW (2:3) | Lake | 8 | 3.5 | 3.5 | 3.6 | 3.8 | 3.8 | 3.6 | 0.1 | 3.5 |
| SFM0024 | LOW (Coast) | Sea | 3 | 0.99 | 1.0 | 1.0 | 1.0 | 1.1 | 1.0 | 0.04 | 4.1 |
| SFM0025 | LOW (Coast) | Sea | 8 | 1.9 | 4.2 | 4.3 | 4.4 | 4.6 | 4.0 | 0.9 | 22 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 0.38 | | | 0.38 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 0.19 | 0.24 | 0.27 | 0.30 | 0.32 | 0.27 | 0.05 | 17 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 0.21 | | | 0.21 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 0.19 | 0.20 | 0.20 | 0.21 | 0.22 | 0.20 | 0.01 | 5.6 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 0.35 | | | 0.35 | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 0.37 | 0.39 | 0.43 | 0.45 | 0.47 | 0.42 | 0.04 | 9.0 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 0.17 | 0.19 | 0.19 | 0.21 | 0.21 | 0.20 | 0.01 | 6.2 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 0.40 | | | 0.40 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 0.40 | | | 0.40 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 0.26 | 0.29 | 0.34 | 0.37 | 0.41 | 0.34 | 0.06 | 18 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 0.075 | 0.080 | 0.083 | 0.087 | 0.094 | 0.084 | 0.008 | 9.5 |
| SFM0051 | HIGH (2:1) | DS | 6 | 0.16 | 0.17 | 0.18 | 0.19 | 0.19 | 0.18 | 0.01 | 7.0 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 0.15 | 0.18 | 0.18 | 0.19 | 0.19 | 0.18 | 0.01 | 8.1 |
| SFM0056 | LOW (Coast) | not DS | 6 | 0.15 | 0.40 | 0.40 | 0.41 | 0.41 | 0.36 | 0.1 | 29 |
| SFM0057 | LOW (2:8) | DS | 6 | 0.13 | 0.19 | 0.25 | 0.28 | 0.30 | 0.23 | 0.07 | 29 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 0.46 | | | 0.46 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.14 | 0.009 | 6.6 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 0.12 | 0.12 | 0.12 | 0.13 | 0.14 | 0.13 | 0.01 | 8.5 |
| SFM0062 | LOW (2:3) | Lake | 3 | 0.17 | 0.17 | 0.17 | 0.18 | 0.19 | 0.18 | 0.01 | 6.4 |
| SFM0063 | LOW (2:3) | Lake | 2 | 0.16 | | 0.29 | | 0.43 | 0.29 | 0.2 | 64 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 0.36 | | | 0.36 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 0.19 | 0.21 | 0.22 | 0.22 | 0.22 | 0.21 | 0.008 | 4.0 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 198 | 0.075 | 0.18 | 0.25 | 0.45 | 4.6 | 0.69 | 1 | 150 |
| Forsmark area | Soil tubes | 'Higher' | 118 | 0.075 | 0.16 | 0.20 | 0.26 | 0.50 | 0.23 | 0.1 | 49 |
| Forsmark area | Soil tubes | 'Lower' | 80 | 0.080 | 0.30 | 0.48 | 2.1 | 4.6 | 1.4 | 1 | 100 |
| Forsmark area | Soil tubes | In lake | 35 | 0.16 | 0.49 | 1.9 | 2.5 | 3.8 | 1.8 | 1 | 73 |
| Forsmark area | Soil tubes | At sea | 11 | 0.99 | 1.5 | 4.3 | 4.4 | 4.6 | 3.2 | 2 | 49 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 6 | 0.23 | 0.24 | 0.30 | 0.45 | 0.64 | 0.36 | 0.2 | 46 |
| Forsmark area | Private wells | drilled | 14 | 0.30 | 0.47 | 1.5 | 7.3 | 8.7 | 3.5 | 4 | 100 |
| Simpevarp area | Soil tubes | All | 41 | 0.025 | 0.076 | 0.13 | 0.19 | 0.54 | 0.15 | 0.10 | 65 |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 0.035 | 0.069 | 0.076 | 0.14 | 0.27 | 0.12 | 0.08 | 66 |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 0.025 | 0.096 | 0.14 | 0.20 | 0.54 | 0.16 | 0.1 | 64 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 0.060 | 0.19 | 0.28 | 0.57 | 0.78 | 0.36 | 0.2 | 64 |

Ground Water

| Sr-87 | | | Strontium-87 (Sr87/Sr86) (ratio) | | | | | | | | Sr-87 | |
|------------------|--------------|----------|----------------------------------|--------|--------|---------------|--------|--------|--------|----------|--------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 7 | 0.7209 | 0.7210 | 0.7210 | 0.7211 | 0.7212 | 0.7210 | 0.000120 | 0.017 | |
| SFM0002 | HIGH (2:1) | DS | 7 | 0.7217 | 0.7222 | 0.7222 | 0.7224 | 0.7242 | 0.7225 | 0.000807 | 0.11 | |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.7241 | 0.7247 | 0.7247 | 0.7247 | 0.7248 | 0.7246 | 0.000236 | 0.033 | |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.7228 | 0.7229 | 0.7231 | 0.7234 | 0.7236 | 0.7232 | 0.000427 | 0.059 | |
| SFM0006 | HIGH (5:1) | DS | 2 | 0.7223 | | 0.7224 | | 0.7226 | 0.7224 | 0.000237 | 0.033 | |
| SFM0008 | HIGH (5:1) | DS | 6 | 0.7269 | 0.7270 | 0.7271 | 0.7273 | 0.7286 | 0.7274 | 0.000652 | 0.090 | |
| SFM0009 | HIGH (2:6) | DS | 6 | 0.7241 | 0.7242 | 0.7245 | 0.7251 | 0.7279 | 0.7251 | 0.00145 | 0.20 | |
| SFM0012 | LOW (2:8) | Lake | 6 | 0.7221 | 0.7221 | 0.7222 | 0.7222 | 0.7222 | 0.7221 | | 0.0052 | |
| SFM0015 | LOW (2:10) | Lake | 5 | 0.7121 | 0.7121 | 0.7127 | 0.7128 | 0.7130 | 0.7125 | 0.000424 | 0.059 | |
| SFM0022 | LOW (8:1) | Lake | 2 | 0.7173 | | 0.7173 | | 0.7173 | 0.7173 | | 0.0019 | |
| SFM0023 | LOW (2:3) | Lake | 6 | 0.7250 | 0.7250 | 0.7250 | 0.7250 | 0.7250 | 0.7250 | | 0.0025 | |
| SFM0024 | LOW (Coast) | Sea | 2 | 0.7138 | | 0.7139 | | 0.7140 | 0.7139 | 0.000144 | 0.020 | |
| SFM0025 | LOW (Coast) | Sea | 6 | 0.7185 | 0.7186 | 0.7186 | 0.7186 | 0.7186 | 0.7186 | | 0.0033 | |
| SFM0027 | LOW (8:1) | not DS | 6 | 0.7368 | 0.7374 | 0.7375 | 0.7378 | 0.7381 | 0.7375 | 0.000432 | 0.059 | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 0.7247 | 0.7249 | 0.7249 | 0.7249 | 0.7250 | 0.7249 | | 0.012 | |
| SFM0031 | HIGH (2:3) | not DS | 6 | 0.7269 | 0.7270 | 0.7271 | 0.7273 | 0.7274 | 0.7272 | 0.000193 | 0.027 | |
| SFM0032 | HIGH (2:3) | not DS | 6 | 0.7263 | 0.7263 | 0.7265 | 0.7268 | 0.7270 | 0.7266 | 0.000334 | 0.046 | |
| SFM0037 | LOW (2:1) | not DS | 6 | 0.7184 | 0.7185 | 0.7186 | 0.7189 | 0.7195 | 0.7187 | 0.000412 | 0.057 | |
| SFM0049 | HIGH (Coast) | not DS | 2 | 0.7229 | | 0.7229 | | 0.7230 | 0.7229 | 0.000123 | 0.017 | |
| SFM0051 | HIGH (2:1) | DS | 5 | 0.7234 | 0.7235 | 0.7236 | 0.7237 | 0.7238 | 0.7236 | 0.000176 | 0.024 | |
| SFM0053 | HIGH (4:2) | not DS | 5 | 0.7247 | 0.7247 | 0.7247 | 0.7248 | 0.7251 | 0.7248 | 0.000184 | 0.025 | |
| SFM0057 | LOW (2:8) | DS | 5 | 0.7189 | 0.7190 | 0.7194 | 0.7198 | 0.7204 | 0.7195 | 0.000646 | 0.090 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.7265 | 0.7266 | 0.7267 | 0.7268 | 0.7269 | 0.7267 | 0.000235 | 0.032 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 115 | 0.7121 | 0.7210 | 0.7241 | 0.7252 | 0.7381 | 0.7235 | 0.00496 | 0.69 | |
| Forsmark area | Soil tubes | 'Higher' | 71 | 0.7209 | 0.7231 | 0.7247 | 0.7266 | 0.7286 | 0.7246 | 0.00203 | 0.28 | |
| Forsmark area | Soil tubes | 'Lower' | 44 | 0.7121 | 0.7185 | 0.7192 | 0.7250 | 0.7381 | 0.7217 | 0.00730 | 1.0 | |
| Forsmark area | Soil tubes | In lake | 19 | 0.7121 | 0.7151 | 0.7222 | 0.7250 | 0.7250 | 0.7200 | 0.00513 | 0.71 | |
| Forsmark area | Soil tubes | At sea | 8 | 0.7138 | 0.7174 | 0.7186 | 0.7186 | 0.7186 | 0.7174 | 0.00218 | 0.30 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 40 | 0.7117 | 0.7163 | 0.7194 | 0.7220 | 0.7336 | 0.7201 | 0.00503 | 0.70 | |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 0.7124 | 0.7217 | 0.7220 | 0.7227 | 0.7286 | 0.7219 | 0.00394 | 0.55 | |
| Simpevarp area | Soil tubes | 'Lower' | 29 | 0.7117 | 0.7160 | 0.7187 | 0.7198 | 0.7336 | 0.7194 | 0.00529 | 0.73 | |

| S2 (HS) | | | Hydrogen sulphide as total sulphide (mg/l) | | | | | | | | S2 (HS) | |
|------------------|--------------|----------|--|--------|--------|-----------------|--------|--------|--------|-------|---------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 7 | <0.03 | 0.052 | 0.054 | 0.061 | 0.085 | 0.054 | 0.02 | 38 | |
| SFM0002 | HIGH (2:1) | DS | 6 | <0.03 | <0.03 | <0.03 | 0.042 | 0.070 | 0.031 | 0.02 | 76 | |
| SFM0003 | HIGH (2:1) | DS | 7 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 42 | |
| SFM0005 | HIGH (Coast) | DS | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.005 | 45 | |
| SFM0006 | HIGH (5:1) | DS | 4 | 0.0060 | 0.0060 | 0.0060 | 0.0060 | 0.0060 | 0.0060 | | | |
| SFM0008 | HIGH (5:1) | DS | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.006 | 80 | |
| SFM0009 | HIGH (2:6) | DS | 4 | 0.0050 | 0.0065 | 0.028 | 0.049 | 0.050 | 0.028 | 0.02 | 90 | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 0.13 | | | 0.13 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.091 | | | 0.091 | | | |
| SFM0027 | LOW (8:1) | not DS | 3 | 0.0080 | 0.0085 | 0.0090 | 0.016 | 0.023 | 0.013 | 0.008 | 63 | |
| SFM0029 | HIGH (4:2) | not DS | 3 | 0.0050 | 0.0085 | 0.012 | 0.014 | 0.015 | 0.011 | 0.005 | 48 | |
| SFM0031 | HIGH (2:3) | not DS | 3 | 0.0040 | 0.014 | 0.024 | 0.034 | 0.043 | 0.024 | 0.02 | 82 | |
| SFM0032 | HIGH (2:3) | not DS | 4 | 0.037 | 0.042 | 0.047 | 0.070 | 0.13 | 0.065 | 0.04 | 66 | |
| SFM0037 | LOW (2:1) | not DS | 2 | 0.083 | | 0.17 | | 0.25 | 0.17 | 0.1 | 72 | |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | 0.44 | | | 0.44 | | | |
| SFM0057 | LOW (2:8) | DS | 4 | <0.002 | 0.0040 | 0.0060 | 0.0078 | 0.010 | 0.0058 | 0.004 | 66 | |
| SFM0060 | HIGH (Coast) | not DS | 1 | | | 0.018 | | | 0.018 | | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 59 | <0.03 | <0.03 | <0.03 | 0.050 | 0.44 | 0.039 | 0.07 | 170 | |
| Forsmark area | Soil tubes | 'Higher' | 48 | <0.03 | <0.03 | <0.03 | 0.048 | 0.44 | 0.035 | 0.07 | 190 | |
| Forsmark area | Soil tubes | 'Lower' | 11 | <0.03 | <0.03 | <0.03 | 0.087 | 0.25 | 0.057 | 0.08 | 140 | |
| Forsmark area | Soil tubes | In lake | 2 | 0.091 | | 0.11 | | 0.13 | 0.11 | 0.03 | 27 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 26 | <0.002 | 0.0060 | 0.0070 | 0.015 | 0.042 | 0.012 | 0.01 | 93 | |
| Simpevarp area | Soil tubes | 'Higher' | 6 | 0.0060 | 0.0070 | 0.0075 | 0.015 | 0.023 | 0.011 | 0.007 | 62 | |
| Simpevarp area | Soil tubes | 'Lower' | 20 | <0.002 | 0.0053 | 0.0070 | 0.014 | 0.042 | 0.012 | 0.01 | 100 | |

Ground Water

| SO4 | | | Sulphate (mg/l) | | | | | | | | SO4 |
|-------------------------|---------------|-----------|-----------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 10 | 98 | 130 | 160 | 190 | 220 | 160 | 40 | 25 |
| SFM0002 | HIGH (2:1) | DS | 11 | 17 | 19 | 20 | 23 | 47 | 23 | 9 | 37 |
| SFM0003 | HIGH (2:1) | DS | 10 | 48 | 52 | 57 | 60 | 81 | 59 | 10 | 19 |
| SFM0005 | HIGH (Coast) | DS | 6 | 8.1 | 12 | 15 | 16 | 20 | 14 | 4 | 28 |
| SFM0006 | HIGH (5:1) | DS | 4 | 63 | 71 | 81 | 93 | 110 | 83 | 20 | 22 |
| SFM0008 | HIGH (5:1) | DS | 7 | 52 | 74 | 79 | 90 | 94 | 79 | 10 | 18 |
| SFM0009 | HIGH (2:6) | DS | 7 | 17 | 18 | 21 | 25 | 68 | 27 | 20 | 67 |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 220 | | | 220 | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 200 | 210 | 220 | 230 | 230 | 220 | 10 | 5.4 |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 160 | | | 160 | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 14 | | | 14 | | |
| SFM0015 | LOW (2:10) | Lake | 8 | <0.2 | 0.27 | 0.49 | 0.96 | 3.4 | 0.86 | 1 | 130 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 15 | | | 15 | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 7.4 | | | 7.4 | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 20 | | | 20 | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 30 | | | 30 | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 43 | | | 43 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 84 | 95 | 110 | 120 | 120 | 110 | 20 | 17 |
| SFM0023 | LOW (2:3) | Lake | 7 | 340 | 350 | 350 | 360 | 390 | 360 | 10 | 4.0 |
| SFM0024 | LOW (Coast) | Sea | 3 | 250 | 260 | 270 | 280 | 280 | 270 | 20 | 5.8 |
| SFM0025 | LOW (Coast) | Sea | 8 | 160 | 230 | 240 | 240 | 270 | 230 | 30 | 14 |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 50 | | | 50 | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 47 | 47 | 48 | 50 | 52 | 49 | 2 | 3.8 |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 46 | | | 46 | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 49 | 50 | 51 | 54 | 58 | 52 | 4 | 6.8 |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 100 | | | 100 | | |
| SFM0031 | HIGH (2:3) | not DS | 6 | 120 | 120 | 120 | 120 | 120 | 120 | 4 | 3.0 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 26 | 37 | 39 | 41 | 44 | 38 | 5 | 14 |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 49 | | | 49 | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 110 | | | 110 | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 88 | 110 | 120 | 140 | 190 | 130 | 40 | 28 |
| SFM0049 | HIGH (Coast) | not DS | 4 | 0.55 | 0.92 | 2.5 | 4.3 | 5.4 | 2.7 | 2 | 85 |
| SFM0051 | HIGH (2:1) | DS | 6 | 14 | 16 | 17 | 19 | 20 | 17 | 2 | 14 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 38 | 42 | 43 | 44 | 45 | 42 | 2 | 5.4 |
| SFM0056 | LOW (Coast) | not DS | 6 | 44 | 250 | 250 | 260 | 260 | 220 | 90 | 39 |
| SFM0057 | LOW (2:8) | DS | 6 | 13 | 19 | 25 | 26 | 31 | 23 | 7 | 28 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 280 | | | 280 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 67 | 69 | 70 | 71 | 71 | 70 | 2 | 3.1 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 52 | 55 | 57 | 64 | 70 | 60 | 9 | 15 |
| SFM0062 | LOW (2:3) | Lake | 3 | 33 | 36 | 39 | 40 | 42 | 38 | 5 | 12 |
| SFM0063 | LOW (2:3) | Lake | 2 | 18 | | 40 | | 62 | 40 | 30 | 79 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 87 | | | 87 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 41 | 44 | 45 | 45 | 45 | 44 | 1 | 2.7 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 194 | <0.2 | 27 | 50 | 120 | 390 | 92 | 90 | 99 |
| Forsmark area | Soil tubes | 'Higher' | 115 | 0.55 | 22 | 45 | 73 | 280 | 58 | 50 | 84 |
| Forsmark area | Soil tubes | 'Lower' | 79 | <0.2 | 43 | 120 | 230 | 390 | 140 | 100 | 81 |
| Forsmark area | Soil tubes | In lake | 34 | <0.2 | 21 | 120 | 230 | 390 | 150 | 100 | 89 |
| Forsmark area | Soil tubes | At sea | 11 | 160 | 230 | 240 | 260 | 280 | 240 | 30 | 14 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 20 | 7.0 | 14 | 58 | 120 | 280 | 87 | 90 | 110 |
| Forsmark area | Private wells | drilled | 30 | 6.0 | 71 | 120 | 210 | 360 | 140 | 100 | 76 |
| Simpevarp area | Private wells | excavated | 134 | 2.0 | 13 | 22 | 33 | 130 | 29 | 30 | 89 |
| Simpevarp area | Private wells | drilled | 290 | 3.0 | 14 | 30 | 46 | 200 | 40 | 40 | 100 |
| Simpevarp area | Soil tubes | All | 55 | <0.2 | 13 | 22 | 62 | 180 | 42 | 40 | 99 |
| Simpevarp area | Soil tubes | 'Higher' | 14 | 4.5 | 13 | 18 | 31 | 74 | 25 | 20 | 83 |
| Simpevarp area | Soil tubes | 'Lower' | 41 | <0.2 | 14 | 24 | 68 | 180 | 48 | 50 | 95 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 1.8 | 8.2 | 14 | 110 | 350 | 70 | 100 | 140 |
| Uppsala County | SGU well | excavated | 65 | 7.2 | 16 | 24 | 34 | 84 | 27 | 10 | 54 |
| Uppsala County | SGU well | drilled | 299 | <2 | 21 | 29 | 43 | 260 | 36 | 30 | 82 |
| Kalmar County | SGU well | excavated | 362 | 7.0 | 20 | 27 | 38 | 140 | 31 | 20 | 57 |
| Kalmar County | SGU well | drilled | 302 | <2 | 14 | 23 | 39 | 430 | 33 | 40 | 120 |
| Sweden | SGU well | excavated | 7762 | <2 | 10 | 16 | 25 | 410 | 20 | 20 | 95 |
| Sweden | SGU well | drilled | 8726 | <2 | 9.2 | 18 | 32 | 1000 | 26 | 30 | 130 |

Ground Water

| SO4-S | | | Sulphate as sulphur (mg/l) | | | | | | | | SO4-S | |
|-------------------------|---------------|-----------|----------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 10 | 32 | 46 | 52 | 59 | 71 | 52 | 10 | 24 | |
| SFM0002 | HIGH (2:1) | DS | 11 | 5.8 | 6.6 | 6.8 | 7.7 | 9.9 | 7.4 | 1 | 19 | |
| SFM0003 | HIGH (2:1) | DS | 10 | 17 | 17 | 18 | 19 | 26 | 19 | 3 | 16 | |
| SFM0005 | HIGH (Coast) | DS | 6 | 2.3 | 4.1 | 5.1 | 5.9 | 6.2 | 4.8 | 1 | 31 | |
| SFM0006 | HIGH (5:1) | DS | 5 | 22 | 24 | 24 | 29 | 39 | 28 | 7 | 24 | |
| SFM0008 | HIGH (5:1) | DS | 7 | 16 | 23 | 25 | 28 | 29 | 24 | 5 | 18 | |
| SFM0009 | HIGH (2:6) | DS | 7 | 5.4 | 5.8 | 7.8 | 8.9 | 22 | 9.2 | 6 | 63 | |
| SFM0010 | HIGH (2:8) | not DS | 1 | | | 2.9 | | | 2.9 | | | |
| SFM0011 | LOW (2:8) | not DS | 1 | | | 83 | | | 83 | | | |
| SFM0012 | LOW (2:8) | Lake | 9 | 68 | 71 | 71 | 72 | 80 | 72 | 3 | 4.8 | |
| SFM0013 | LOW (2:3) | not DS | 1 | | | 63 | | | 63 | | | |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 6.0 | | | 6.0 | | | |
| SFM0015 | LOW (2:10) | Lake | 8 | 0.25 | 0.47 | 0.52 | 0.79 | 1.5 | 0.68 | 0.4 | 59 | |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 5.8 | | | 5.8 | | | |
| SFM0017 | LOW (2:10) | not DS | 1 | | | 2.8 | | | 2.8 | | | |
| SFM0018 | LOW (2:10) | not DS | 1 | | | 7.7 | | | 7.7 | | | |
| SFM0019 | HIGH (2:3) | not DS | 1 | | | 10 | | | 10 | | | |
| SFM0020 | HIGH (2:6) | not DS | 1 | | | 14 | | | 14 | | | |
| SFM0021 | HIGH (2:3) | not DS | 1 | | | 14 | | | 14 | | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 26 | 32 | 36 | 39 | 44 | 35 | 7 | 20 | |
| SFM0023 | LOW (2:3) | Lake | 8 | 110 | 110 | 110 | 120 | 120 | 110 | 3 | 2.6 | |
| SFM0024 | LOW (Coast) | Sea | 3 | 90 | 91 | 92 | 92 | 93 | 92 | 1 | 1.4 | |
| SFM0025 | LOW (Coast) | Sea | 8 | 44 | 75 | 76 | 76 | 78 | 72 | 10 | 16 | |
| SFM0026 | LOW (8:1) | not DS | 1 | | | 17 | | | 17 | | | |
| SFM0027 | LOW (8:1) | not DS | 8 | 14 | 15 | 15 | 16 | 16 | 16 | 0.7 | 4.3 | |
| SFM0028 | HIGH (4:2) | not DS | 1 | | | 16 | | | 16 | | | |
| SFM0029 | HIGH (4:2) | not DS | 6 | 15 | 15 | 17 | 18 | 18 | 17 | 2 | 9.3 | |
| SFM0030 | HIGH (2:3) | not DS | 1 | | | 31 | | | 31 | | | |
| SFM0031 | HIGH (2:3) | not DS | 7 | 37 | 39 | 39 | 40 | 44 | 40 | 2 | 5.5 | |
| SFM0032 | HIGH (2:3) | not DS | 9 | 8.4 | 12 | 13 | 13 | 16 | 12 | 2 | 16 | |
| SFM0034 | LOW (2:1) | not DS | 1 | | | 16 | | | 16 | | | |
| SFM0036 | LOW (2:1) | not DS | 1 | | | 40 | | | 40 | | | |
| SFM0037 | LOW (2:1) | not DS | 7 | 29 | 36 | 44 | 48 | 59 | 43 | 10 | 25 | |
| SFM0049 | HIGH (Coast) | not DS | 4 | 1.1 | 1.1 | 1.2 | 1.6 | 2.4 | 1.5 | 0.6 | 43 | |
| SFM0051 | HIGH (2:1) | DS | 6 | 4.9 | 5.2 | 5.5 | 5.6 | 6.7 | 5.6 | 0.6 | 11 | |
| SFM0053 | HIGH (4:2) | not DS | 6 | 13 | 13 | 14 | 14 | 14 | 14 | 0.6 | 4.6 | |
| SFM0056 | LOW (Coast) | not DS | 6 | 13 | 80 | 83 | 84 | 87 | 71 | 30 | 40 | |
| SFM0057 | LOW (2:8) | DS | 6 | 4.4 | 6.2 | 7.3 | 8.0 | 8.4 | 6.9 | 2 | 22 | |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 84 | | | 84 | | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 21 | 22 | 22 | 23 | 23 | 22 | 1 | 5.3 | |
| SFM0061 | HIGH (7:2) | not DS | 3 | 16 | 16 | 17 | 19 | 21 | 18 | 3 | 16 | |
| SFM0062 | LOW (2:3) | Lake | 3 | 9.6 | 11 | 12 | 13 | 13 | 12 | 2 | 16 | |
| SFM0063 | LOW (2:3) | Lake | 2 | 5.3 | | 11 | | 17 | 11 | 8 | 75 | |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 30 | | | 30 | | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 13 | 14 | 14 | 14 | 15 | 14 | 0.4 | 2.7 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 199 | 0.25 | 8.4 | 16 | 43 | 120 | 30 | 30 | 99 | |
| Forsmark area | Soil tubes | 'Higher' | 119 | 1.1 | 7.7 | 14 | 23 | 84 | 19 | 20 | 82 | |
| Forsmark area | Soil tubes | 'Lower' | 80 | 0.25 | 13 | 43 | 76 | 120 | 47 | 40 | 80 | |
| Forsmark area | Soil tubes | In lake | 35 | 0.25 | 7.5 | 44 | 77 | 120 | 51 | 40 | 86 | |
| Forsmark area | Soil tubes | At sea | 11 | 44 | 75 | 76 | 84 | 93 | 77 | 10 | 17 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Private wells | excavated | 6 | 20 | 23 | 34 | 59 | 81 | 43 | 30 | 60 | |
| Forsmark area | Private wells | drilled | 14 | 14 | 33 | 53 | 92 | 110 | 60 | 30 | 55 | |
| Simpevarp area | Soil tubes | All | 41 | 0.26 | 5.2 | 8.7 | 20 | 59 | 14 | 10 | 100 | |
| Simpevarp area | Soil tubes | 'Higher' | 11 | 0.78 | 3.8 | 5.5 | 12 | 26 | 8.7 | 8 | 91 | |
| Simpevarp area | Soil tubes | 'Lower' | 30 | 0.26 | 5.6 | 8.9 | 21 | 59 | 17 | 20 | 97 | |
| Laxemar pre-PLU | Soil tubes | All | 22 | 0.61 | 2.7 | 4.6 | 37 | 120 | 23 | 30 | 140 | |

Ground Water

| S-34 | | | Sulphur-34 (dev. CDT) | | | | | | | | S-34 |
|------------------|--------------|----------|-----------------------|--------|--------|---------------|--------|-------|--------|------|-------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 8 | 0.400 | 1.88 | 4.45 | 7.33 | 10.4 | 4.84 | 3.7 | 76 |
| SFM0002 | HIGH (2:1) | DS | 8 | 4.70 | 5.98 | 7.10 | 8.35 | 12.0 | 7.50 | 2.3 | 31 |
| SFM0003 | HIGH (2:1) | DS | 8 | -7.40 | -0.300 | 0.650 | 0.850 | 1.90 | -0.550 | 3.0 | -550 |
| SFM0005 | HIGH (Coast) | DS | 4 | -1.00 | -0.325 | 0.500 | 1.15 | 1.30 | 0.325 | 1.1 | 330 |
| SFM0006 | HIGH (5:1) | DS | 4 | -7.50 | -6.08 | -5.35 | -4.28 | -1.80 | -5.00 | 2.4 | -47 |
| SFM0008 | HIGH (5:1) | DS | 7 | -13.0 | -10.9 | -5.10 | -3.90 | 0.800 | -6.70 | 5.1 | -76 |
| SFM0009 | HIGH (2:6) | DS | 6 | -12.1 | -9.35 | -3.20 | -0.800 | 0.300 | -4.93 | 5.4 | -110 |
| SFM0012 | LOW (2:8) | Lake | 7 | 15.7 | 28.5 | 29.3 | 29.8 | 30.3 | 27.4 | 5.2 | 19 |
| SFM0022 | LOW (8:1) | Lake | 2 | 17.0 | | 18.5 | | 19.9 | 18.5 | 2.1 | 11 |
| SFM0023 | LOW (2:3) | Lake | 6 | 9.30 | 24.8 | 27.8 | 28.9 | 40.9 | 26.5 | 10 | 39 |
| SFM0024 | LOW (Coast) | Sea | 2 | 15.1 | | 16.4 | | 17.6 | 16.4 | 1.8 | 11 |
| SFM0025 | LOW (Coast) | Sea | 6 | 9.20 | 15.9 | 16.7 | 16.9 | 17.2 | 15.4 | 3.1 | 20 |
| SFM0027 | LOW (8:1) | not DS | 6 | -2.00 | 1.78 | 2.05 | 2.48 | 3.50 | 1.65 | 1.9 | 110 |
| SFM0029 | HIGH (4:2) | not DS | 6 | -7.60 | -6.78 | -6.30 | -5.68 | -4.60 | -6.20 | 1.1 | -17 |
| SFM0031 | HIGH (2:3) | not DS | 6 | -17.4 | -11.4 | -10.1 | -9.78 | -9.70 | -11.5 | 3.0 | -26 |
| SFM0032 | HIGH (2:3) | not DS | 6 | -0.500 | -0.275 | 0.750 | 1.10 | 2.20 | 0.633 | 1.1 | 170 |
| SFM0037 | LOW (2:1) | not DS | 6 | -4.60 | -2.95 | -2.15 | 0.300 | 9.30 | -0.283 | 5.1 | -1800 |
| SFM0049 | HIGH (Coast) | not DS | 1 | | | 22.3 | | | 22.3 | | |
| SFM0057 | LOW (2:8) | DS | 5 | 14.5 | 18.4 | 18.8 | 20.0 | 20.3 | 18.4 | 2.3 | 13 |
| SFM0060 | HIGH (Coast) | not DS | 3 | -7.80 | -6.35 | -4.90 | -4.70 | -4.50 | -5.73 | 1.8 | -31 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 107 | -17.4 | -4.50 | 1.10 | 13.3 | 40.9 | 4.81 | 12 | 250 |
| Forsmark area | Soil tubes | 'Higher' | 67 | -17.4 | -6.30 | -0.500 | 1.85 | 22.3 | -1.46 | 7.0 | -480 |
| Forsmark area | Soil tubes | 'Lower' | 40 | -4.60 | 3.28 | 16.9 | 24.8 | 40.9 | 15.3 | 12 | 76 |
| Forsmark area | Soil tubes | In lake | 15 | 9.30 | 21.9 | 28.2 | 29.4 | 40.9 | 25.8 | 7.6 | 30 |
| Forsmark area | Soil tubes | At sea | 8 | 9.20 | 15.6 | 16.7 | 17.0 | 17.6 | 15.6 | 2.7 | 17 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 36 | -14.6 | -6.00 | 1.75 | 9.75 | 22.8 | 2.37 | 10 | 440 |
| Simpevarp area | Soil tubes | 'Higher' | 9 | -9.30 | -3.50 | 4.20 | 6.40 | 15.7 | 2.74 | 8.0 | 290 |
| Simpevarp area | Soil tubes | 'Lower' | 27 | -14.6 | -6.25 | -0.300 | 10.2 | 22.8 | 2.25 | 11 | 500 |

| Tb | | | Terbium (µg/l) | | | | | | | | Tb |
|------------------|--------------|----------|----------------|-------|-------|------------------|-------|-------|--------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | <0.1 | <0.1 | <0.1 | <0.1 | 0.12 | <0.1 | 0.03 | 45 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.048 | 0.052 | 0.063 | 0.072 | 0.085 | 0.064 | 0.01 | 23 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 100 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.044 | 0.050 | 0.055 | 0.058 | 0.061 | 0.053 | 0.009 | 16 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.070 | 0.075 | 0.081 | 0.10 | 0.13 | 0.092 | 0.03 | 32 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 66 |
| SFM0009 | HIGH (2:6) | DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.003 | 13 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.5 | | | <0.5 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.010 | 110 |
| SFM0029 | HIGH (4:2) | not DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 29 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.023 | 0.028 | 0.033 | 0.055 | 0.056 | 0.039 | 0.02 | 40 |
| SFM0032 | HIGH (2:3) | not DS | 5 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.009 | 23 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.036 | 0.066 | 0.087 | 0.099 | 0.10 | 0.078 | 0.03 | 39 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.027 | 0.029 | 0.031 | 0.042 | 0.053 | 0.037 | 0.01 | 38 |
| SFM0051 | HIGH (2:1) | DS | 4 | <0.05 | <0.05 | <0.05 | <0.05 | 0.060 | <0.05 | 0.02 | 46 |
| SFM0053 | HIGH (4:2) | not DS | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.008 | 54 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 140 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.058 | 0.082 | 0.090 | 0.10 | 0.15 | 0.097 | 0.04 | 36 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.012 | 0.016 | 0.021 | 0.021 | 0.021 | 0.018 | 0.005 | 29 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.04 | 94 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.03 | 70 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.06 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.1 | 150 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.5 | | | <0.5 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.05 | 0.16 | 0.34 | 0.50 | 1.6 | 0.47 | 0.5 | 100 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.31 | 0.36 | 0.41 | 0.82 | 1.2 | 0.65 | 0.5 | 77 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.05 | 0.12 | 0.27 | 0.48 | 1.6 | 0.43 | 0.5 | 110 |

Ground Water

| TI | | | Thallium (µg/l) | | | | | | | | TI |
|-------------------------|--------------|----------|-----------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | <0.05 | <0.05 | <0.05 | <0.05 | 0.82 | 0.15 | 0.3 | 220 |
| SFM0002 | HIGH (2:1) | DS | 6 | <0.03 | <0.03 | <0.03 | <0.03 | 0.076 | <0.03 | 0.03 | 110 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.01 | 72 |
| SFM0005 | HIGH (Coast) | DS | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | | |
| SFM0006 | HIGH (5:1) | DS | 3 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.006 | 30 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | 0.095 | 0.031 | 0.04 | 120 |
| SFM0009 | HIGH (2:6) | DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | 0.080 | <0.03 | 0.03 | 100 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.3 | | | <0.3 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.03 | | | <0.03 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.3 | | | <0.3 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.3 | | | <0.3 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | 0.072 | <0.03 | 0.03 | 97 |
| SFM0029 | HIGH (4:2) | not DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | 0.073 | <0.03 | 0.03 | 98 |
| SFM0031 | HIGH (2:3) | not DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | 0.049 | <0.03 | 0.02 | 70 |
| SFM0032 | HIGH (2:3) | not DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | 0.072 | <0.03 | 0.03 | 97 |
| SFM0037 | LOW (2:1) | not DS | 4 | <0.03 | <0.03 | <0.03 | 0.030 | 0.076 | 0.030 | 0.03 | 100 |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.03 | <0.03 | <0.03 | 0.030 | 0.045 | <0.03 | 0.02 | 69 |
| SFM0051 | HIGH (2:1) | DS | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.002 | 18 |
| SFM0053 | HIGH (4:2) | not DS | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.002 | 18 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | <0.03 | 0.002 | 18 |
| SFM0057 | LOW (2:8) | DS | 5 | <0.03 | <0.03 | <0.03 | <0.03 | 0.13 | 0.038 | 0.05 | 140 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.040 | 0.044 | 0.048 | 0.098 | 0.15 | 0.079 | 0.06 | 76 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.3 | <0.3 | <0.3 | <0.3 | 0.82 | <0.3 | 0.09 | 240 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.3 | <0.3 | <0.3 | <0.3 | 0.82 | <0.3 | 0.1 | 280 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.05 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | <0.3 | 0.08 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.3 | | | <0.3 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.03 | 0.045 | 0.060 | 0.15 | 0.31 | 0.10 | 0.09 | 85 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.053 | 0.055 | 0.057 | 0.15 | 0.25 | 0.12 | 0.1 | 94 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.03 | 0.044 | 0.064 | 0.14 | 0.31 | 0.098 | 0.09 | 87 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.00050 | 0.00050 | 0.0025 | 0.0040 | 0.010 | 0.0030 | 0.003 | 92 |

Ground Water

| Th | | | Thorium (µg/l) | | | | | | | | Th |
|------------------------|--------------|----------|----------------|-------|-------|-----------------|-------|-------|-------|-------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | <0.1 | <0.1 | 0.15 | 0.24 | 0.30 | 0.16 | 0.1 | 70 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.067 | 0.094 | 0.12 | 0.17 | 0.25 | 0.14 | 0.07 | 49 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | 0.02 | 85 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.033 | 0.036 | 0.039 | 0.050 | 0.061 | 0.044 | 0.01 | 33 |
| SFM0006 | HIGH (5:1) | DS | 3 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.026 | 0.028 | 0.029 | 0.030 | 0.042 | 0.031 | 0.006 | 20 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.2 | | | <0.2 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.02 | | | <0.02 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.2 | | | <0.2 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.2 | | | <0.2 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| SFM0029 | HIGH (4:2) | not DS | 5 | <0.02 | <0.02 | <0.02 | <0.02 | 0.021 | <0.02 | 0.005 | 40 |
| SFM0031 | HIGH (2:3) | not DS | 5 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.032 | 0.049 | 0.068 | 0.094 | 0.13 | 0.075 | 0.04 | 52 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.048 | 0.091 | 0.15 | 0.21 | 0.24 | 0.15 | 0.09 | 59 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.12 | 0.13 | 0.14 | 0.17 | 0.20 | 0.15 | 0.04 | 28 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.30 | 0.44 | 0.56 | 0.68 | 0.80 | 0.56 | 0.2 | 39 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.084 | 0.13 | 0.20 | 0.26 | 0.27 | 0.19 | 0.09 | 49 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.04 | <0.04 | <0.04 | 0.066 | 0.19 | 0.062 | 0.09 | 140 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.059 | 0.062 | 0.15 | 0.15 | 0.26 | 0.14 | 0.08 | 61 |
| SFM0060 | HIGH (Coast) | not DS | 3 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.2 | <0.2 | <0.2 | <0.2 | 0.80 | <0.2 | 0.1 | 140 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.2 | <0.2 | <0.2 | <0.2 | 0.80 | <0.2 | 0.2 | 150 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.2 | <0.2 | <0.2 | <0.2 | 0.26 | <0.2 | 0.08 | 95 |
| Forsmark area | Soil tubes | In lake | 3 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 0.05 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.2 | | | <0.2 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.089 | 0.82 | 1.5 | 3.4 | 8.1 | 2.7 | 3 | 110 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.83 | 1.0 | 1.2 | 4.5 | 7.9 | 3.3 | 4 | 120 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.089 | 0.78 | 1.8 | 3.0 | 8.1 | 2.6 | 3 | 110 |
| Laxemar pre-PLU Sweden | Soil tubes | All | 12 | 0.030 | 0.069 | 0.100 | 0.17 | 0.71 | 0.16 | 0.2 | 120 |
| | SSI well | drilled | 300 | 0.010 | 0.020 | 0.040 | 0.12 | 1.1 | | | |

| Th-230 | | | Thorium-230 (mBq/kg) | | | | | | | | Th-230 |
|------------------|--------------|----------|----------------------|-----|------|---------------|------|-----|------|------|--------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 2 | <50 | | <50 | | <50 | <50 | | |
| SFM0002 | HIGH (2:1) | DS | 2 | <50 | | <50 | | <50 | <50 | | |
| SFM0003 | HIGH (2:1) | DS | 2 | <50 | | <50 | | <50 | <50 | | |
| SFM0005 | HIGH (Coast) | DS | 1 | | | <50 | | | <50 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | <50 | | | <50 | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | <50 | | | <50 | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <50 | | | <50 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <50 | | | <50 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 11 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | Soil tubes | 'Higher' | 9 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | Soil tubes | 'Lower' | 2 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | Soil tubes | In lake | 2 | <50 | | <50 | | <50 | <50 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 16 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | Soil tubes | 'Lower' | 13 | <50 | <50 | <50 | <50 | <50 | <50 | | |

Ground Water

| Th-232 | | | Thorium-232 (mBq/kg) | | | | | | | Th-232 | |
|-------------------------|--------------|----------|-----------------------------|------------|-------------|---------------|-------------|------------|-------------|---------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 2 | <50 | | <50 | | <50 | <50 | | |
| SFM0002 | HIGH (2:1) | DS | 2 | <50 | | <50 | | <50 | <50 | | |
| SFM0003 | HIGH (2:1) | DS | 2 | <50 | | <50 | | <50 | <50 | | |
| SFM0005 | HIGH (Coast) | DS | 1 | | | <50 | | | <50 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | <50 | | | <50 | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | <50 | | | <50 | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <50 | | | <50 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <50 | | | <50 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 11 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | Soil tubes | 'Higher' | 9 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Forsmark area | Soil tubes | 'Lower' | 2 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | Soil tubes | In lake | 2 | <50 | | <50 | | <50 | <50 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 16 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | Soil tubes | 'Lower' | 13 | <50 | <50 | <50 | <50 | <50 | <50 | | |

| Tm | | | Thulium (µg/l) | | | | | | | Tm | |
|-------------------------|--------------|----------|-----------------------|------------|-------------|------------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | <0.02 | 0.028 | 0.033 | 0.036 | 0.057 | 0.033 | 0.02 | 47 |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.035 | 0.040 | 0.045 | 0.049 | 0.059 | 0.045 | 0.008 | 19 |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.003 | 79 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.019 | 0.021 | 0.022 | 0.024 | 0.027 | 0.023 | 0.004 | 17 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.033 | 0.035 | 0.036 | 0.046 | 0.057 | 0.042 | 0.01 | 31 |
| SFM0008 | HIGH (5:1) | DS | 5 | <0.005 | <0.005 | 0.0060 | 0.0080 | 0.011 | 0.0060 | 0.004 | 62 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.0070 | 0.0080 | 0.010 | 0.014 | 0.016 | 0.011 | 0.004 | 36 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0051 | <0.005 | 0.001 | 39 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.0080 | 0.011 | 0.011 | 0.011 | 0.013 | 0.011 | 0.002 | 17 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.013 | 0.015 | 0.021 | 0.026 | 0.028 | 0.021 | 0.006 | 31 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.020 | 0.022 | 0.022 | 0.028 | 0.031 | 0.025 | 0.005 | 19 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.025 | 0.038 | 0.050 | 0.058 | 0.058 | 0.046 | 0.02 | 34 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.012 | 0.013 | 0.015 | 0.018 | 0.022 | 0.016 | 0.005 | 32 |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.014 | 0.019 | 0.022 | 0.025 | 0.032 | 0.023 | 0.007 | 33 |
| SFM0053 | HIGH (4:2) | not DS | 4 | <0.005 | <0.005 | <0.005 | 0.0069 | 0.0090 | 0.0051 | 0.003 | 63 |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.005 | <0.005 | <0.005 | <0.005 | 0.0065 | <0.005 | 0.002 | 62 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.026 | 0.035 | 0.038 | 0.046 | 0.060 | 0.041 | 0.01 | 31 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.0070 | 0.0072 | 0.0074 | 0.0087 | 0.010 | 0.0081 | 0.002 | 20 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | <0.05 | <0.05 | <0.05 | 0.060 | <0.05 | 0.02 | 81 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | <0.05 | <0.05 | <0.05 | 0.059 | <0.05 | 0.01 | 76 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | <0.05 | 0.060 | <0.05 | 0.02 | 92 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.005 | 0.061 | 0.11 | 0.17 | 0.51 | 0.15 | 0.1 | 92 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.12 | 0.13 | 0.14 | 0.24 | 0.35 | 0.20 | 0.1 | 63 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.005 | 0.049 | 0.11 | 0.16 | 0.51 | 0.14 | 0.1 | 100 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.014 | 0.017 | 0.022 | 0.033 | 0.15 | 0.035 | 0.04 | 110 |

Ground Water

| U | | | Uranium (µg/l) | | | | | | | | U | |
|-------------------------|--------------|----------|-----------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 6 | 3.0 | 3.6 | 4.1 | 4.9 | 6.1 | 4.3 | 1 | 26 | |
| SFM0002 | HIGH (2:1) | DS | 6 | 4.5 | 4.8 | 5.4 | 5.6 | 7.0 | 5.4 | 0.9 | 17 | |
| SFM0003 | HIGH (2:1) | DS | 6 | 0.42 | 0.46 | 0.48 | 0.50 | 0.55 | 0.48 | 0.05 | 9.5 | |
| SFM0005 | HIGH (Coast) | DS | 3 | 3.7 | 4.4 | 5.1 | 5.7 | 6.3 | 5.0 | 1 | 25 | |
| SFM0006 | HIGH (5:1) | DS | 3 | 20 | 20 | 20 | 22 | 24 | 21 | 2 | 11 | |
| SFM0008 | HIGH (5:1) | DS | 5 | 9.6 | 11 | 11 | 12 | 14 | 12 | 1 | 13 | |
| SFM0009 | HIGH (2:6) | DS | 5 | 7.4 | 7.7 | 7.7 | 7.7 | 10 | 8.1 | 1 | 15 | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 20 | | | 20 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.041 | | | 0.041 | | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | 0.11 | | | 0.11 | | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | 3.9 | | | 3.9 | | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.71 | 0.73 | 0.81 | 1.6 | 1.6 | 1.1 | 0.5 | 42 | |
| SFM0029 | HIGH (4:2) | not DS | 5 | 3.1 | 3.2 | 3.4 | 5.7 | 6.7 | 4.4 | 2 | 38 | |
| SFM0031 | HIGH (2:3) | not DS | 5 | 7.3 | 8.0 | 8.3 | 8.4 | 8.7 | 8.1 | 0.5 | 6.4 | |
| SFM0032 | HIGH (2:3) | not DS | 5 | 4.1 | 5.2 | 5.9 | 6.4 | 7.9 | 5.9 | 1 | 24 | |
| SFM0037 | LOW (2:1) | not DS | 4 | 8.6 | 9.1 | 9.6 | 10 | 11 | 9.8 | 1 | 11 | |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.17 | 0.18 | 0.20 | 0.25 | 0.30 | 0.22 | 0.07 | 31 | |
| SFM0051 | HIGH (2:1) | DS | 4 | 1.2 | 1.2 | 1.3 | 1.5 | 2.0 | 1.4 | 0.4 | 26 | |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.21 | 0.25 | 0.28 | 0.31 | 0.32 | 0.27 | 0.05 | 19 | |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.10 | 0.12 | 0.13 | 0.17 | 0.25 | 0.15 | 0.06 | 42 | |
| SFM0057 | LOW (2:8) | DS | 5 | 2.8 | 4.4 | 7.2 | 7.2 | 7.4 | 5.8 | 2 | 36 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 30 | 32 | 34 | 35 | 36 | 33 | 3 | 9.3 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 85 | 0.041 | 0.81 | 5.0 | 7.9 | 36 | 6.3 | 7 | 110 | |
| Forsmark area | Soil tubes | 'Higher' | 63 | 0.17 | 1.7 | 5.3 | 7.9 | 36 | 6.9 | 8 | 110 | |
| Forsmark area | Soil tubes | 'Lower' | 22 | 0.041 | 0.36 | 2.2 | 7.3 | 20 | 4.5 | 5 | 120 | |
| Forsmark area | Soil tubes | In lake | 3 | 0.041 | 0.076 | 0.11 | 10 | 20 | 6.7 | 10 | 170 | |
| Forsmark area | Soil tubes | At sea | 1 | | | 3.9 | | | 3.9 | | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 18 | 0.024 | 2.0 | 5.2 | 9.5 | 14 | 6.0 | 4 | 74 | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 1.2 | 1.6 | 1.9 | 4.0 | 6.0 | 3.0 | 3 | 85 | |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.024 | 2.6 | 8.0 | 9.9 | 14 | 6.6 | 5 | 69 | |
| Laxemar pre-PLU Sweden | Soil tubes | All | 12 | 0.17 | 0.31 | 0.41 | 0.71 | 2.1 | 0.63 | 0.5 | 86 | |
| | SSI well | drilled | 300 | 0.10 | 1.7 | 7.2 | 21 | 140 | | | | |

| U-234 | | | Uranium-234 (mBq/kg) | | | | | | | | U-234 | |
|-------------------------|--------------|----------|-----------------------------|------------|-------------|---------------|-------------|------------|-------------|-------------|--------------|--|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 2 | 70 | | 85 | | 100 | 85 | 20 | 25 | |
| SFM0002 | HIGH (2:1) | DS | 2 | 70 | | 240 | | 400 | 240 | 200 | 99 | |
| SFM0003 | HIGH (2:1) | DS | 2 | <50 | | 63 | | 100 | 63 | 50 | 85 | |
| SFM0005 | HIGH (Coast) | DS | 1 | | | 60 | | | 60 | | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | 150 | | | 150 | | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | 110 | | | 110 | | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 180 | | | 180 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <50 | | | <50 | | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 11 | <50 | 65 | 100 | 130 | 400 | 120 | 100 | 90 | |
| Forsmark area | Soil tubes | 'Higher' | 9 | <50 | 70 | 100 | 110 | 400 | 120 | 100 | 92 | |
| Forsmark area | Soil tubes | 'Lower' | 2 | <50 | | 100 | | 180 | 100 | 100 | 110 | |
| Forsmark area | Soil tubes | In lake | 2 | <50 | | 100 | | 180 | 100 | 100 | 110 | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 16 | <50 | <50 | 50 | 80 | 240 | 67 | 60 | 86 | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <50 | <50 | <50 | <50 | 50 | <50 | 10 | 43 | |
| Simpevarp area | Soil tubes | 'Lower' | 13 | <50 | <50 | 80 | 80 | 240 | 74 | 60 | 82 | |

Ground Water

| U-235 | | | Uranium-235 (mBq/kg) | | | | | | | U-235 | |
|-------------------------|--------------|----------|-----------------------------|------------|-------------|---------------|-------------|------------|-------------|--------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 2 | <50 | | <50 | | <50 | <50 | 7 | 35 |
| SFM0002 | HIGH (2:1) | DS | 2 | <50 | | <50 | | <50 | <50 | 7 | 35 |
| SFM0003 | HIGH (2:1) | DS | 2 | <50 | | <50 | | <50 | <50 | 7 | 35 |
| SFM0005 | HIGH (Coast) | DS | 1 | | | <50 | | | <50 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | <50 | | | <50 | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | <50 | | | <50 | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <50 | | | <50 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <50 | | | <50 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 11 | <50 | <50 | <50 | <50 | <50 | <50 | 5 | 21 |
| Forsmark area | Soil tubes | 'Higher' | 9 | <50 | <50 | <50 | <50 | <50 | <50 | 5 | 23 |
| Forsmark area | Soil tubes | 'Lower' | 2 | <50 | | <50 | | <50 | <50 | | |
| Forsmark area | Soil tubes | In lake | 2 | <50 | | <50 | | <50 | <50 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 16 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | Soil tubes | 'Lower' | 13 | <50 | <50 | <50 | <50 | <50 | <50 | | |

| U-238 | | | Uranium-238 (mBq/kg) | | | | | | | U-238 | |
|-------------------------|--------------|----------|-----------------------------|------------|-------------|---------------|-------------|------------|-------------|--------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 2 | 70 | | 85 | | 100 | 85 | 20 | 25 |
| SFM0002 | HIGH (2:1) | DS | 2 | 70 | | 240 | | 400 | 240 | 200 | 99 |
| SFM0003 | HIGH (2:1) | DS | 2 | <50 | | 63 | | 100 | 63 | 50 | 85 |
| SFM0005 | HIGH (Coast) | DS | 1 | | | 60 | | | 60 | | |
| SFM0006 | HIGH (5:1) | DS | 1 | | | 150 | | | 150 | | |
| SFM0008 | HIGH (5:1) | DS | 1 | | | 110 | | | 110 | | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 180 | | | 180 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <50 | | | <50 | | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 11 | <50 | 65 | 100 | 130 | 400 | 120 | 100 | 90 |
| Forsmark area | Soil tubes | 'Higher' | 9 | <50 | 70 | 100 | 110 | 400 | 120 | 100 | 92 |
| Forsmark area | Soil tubes | 'Lower' | 2 | <50 | | 100 | | 180 | 100 | 100 | 110 |
| Forsmark area | Soil tubes | In lake | 2 | <50 | | 100 | | 180 | 100 | 100 | 110 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 16 | <50 | <50 | <50 | 68 | 130 | <50 | 40 | 74 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | <50 | <50 | <50 | <50 | <50 | <50 | | |
| Simpevarp area | Soil tubes | 'Lower' | 13 | <50 | <50 | <50 | 90 | 130 | 54 | 40 | 70 |

Ground Water

| V | | | Vanadium (µg/l) | | | | | | | | | V |
|------------------|--------------|----------|-----------------|-------|-------|--------|------|------|-------|------|-----|---|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 8 | 1.4 | 1.8 | 1.9 | 2.0 | 3.0 | 2.0 | 0.5 | 25 | |
| SFM0002 | HIGH (2:1) | DS | 8 | 1.6 | 1.8 | 2.1 | 2.5 | 3.7 | 2.3 | 0.7 | 31 | |
| SFM0003 | HIGH (2:1) | DS | 7 | 0.28 | 0.30 | 0.31 | 0.34 | 0.37 | 0.32 | 0.04 | 11 | |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.31 | 0.33 | 0.34 | 0.42 | 0.65 | 0.41 | 0.2 | 38 | |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.28 | 0.30 | 0.33 | 0.51 | 0.70 | 0.44 | 0.2 | 52 | |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.089 | 0.095 | 0.14 | 0.17 | 0.36 | 0.17 | 0.1 | 65 | |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.22 | 0.26 | 0.30 | 0.40 | 0.43 | 0.32 | 0.09 | 28 | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 0.11 | | | 0.11 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.19 | | | 0.19 | | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | 0.050 | | | 0.050 | | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.33 | 0.40 | 0.43 | 0.47 | 0.67 | 0.46 | 0.1 | 28 | |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.41 | 0.48 | 0.50 | 0.52 | 0.61 | 0.50 | 0.07 | 14 | |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.23 | 0.24 | 0.26 | 0.27 | 0.29 | 0.26 | 0.02 | 9.4 | |
| SFM0032 | HIGH (2:3) | not DS | 5 | 1.4 | 1.4 | 1.6 | 1.7 | 2.3 | 1.7 | 0.3 | 20 | |
| SFM0037 | LOW (2:1) | not DS | 4 | 2.0 | 2.1 | 2.3 | 2.5 | 2.7 | 2.3 | 0.3 | 14 | |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.91 | 0.94 | 0.97 | 1.3 | 1.6 | 1.2 | 0.4 | 34 | |
| SFM0051 | HIGH (2:1) | DS | 4 | 1.6 | 1.9 | 2.4 | 3.5 | 5.4 | 2.9 | 2 | 58 | |
| SFM0053 | HIGH (4:2) | not DS | 4 | 1.2 | 1.2 | 1.2 | 1.3 | 1.5 | 1.3 | 0.2 | 13 | |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.24 | 0.28 | 0.30 | 0.55 | 1.3 | 0.52 | 0.5 | 94 | |
| SFM0057 | LOW (2:8) | DS | 5 | 0.58 | 0.59 | 0.62 | 0.98 | 1.1 | 0.78 | 0.3 | 33 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.13 | 0.14 | 0.16 | 0.17 | 0.18 | 0.16 | 0.03 | 18 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 91 | <0.05 | 0.30 | 0.58 | 1.6 | 5.4 | 1.0 | 1.0 | 95 | |
| Forsmark area | Soil tubes | 'Higher' | 69 | 0.089 | 0.30 | 0.61 | 1.7 | 5.4 | 1.1 | 1 | 94 | |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | 0.29 | 0.53 | 1.1 | 2.7 | 0.82 | 0.8 | 99 | |
| Forsmark area | Soil tubes | In lake | 3 | 0.050 | 0.080 | 0.11 | 0.15 | 0.19 | 0.12 | 0.07 | 60 | |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 18 | 0.63 | 4.5 | 7.8 | 19 | 55 | 13 | 10 | 100 | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 4.3 | 5.7 | 7.1 | 18 | 29 | 13 | 10 | 99 | |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.63 | 4.5 | 8.4 | 19 | 55 | 13 | 10 | 110 | |

| Yb | | | Ytterbium (µg/l) | | | | | | | | | Yb |
|------------------|--------------|----------|------------------|--------|--------|--------|-------|-------|--------|-------|-----|----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| SFM0001 | HIGH (Coast) | DS | 6 | 0.13 | 0.17 | 0.20 | 0.23 | 0.37 | 0.22 | 0.08 | 38 | |
| SFM0002 | HIGH (2:1) | DS | 6 | 0.24 | 0.27 | 0.29 | 0.31 | 0.40 | 0.30 | 0.05 | 18 | |
| SFM0003 | HIGH (2:1) | DS | 6 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | <0.02 | 0.003 | 27 | |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.12 | 0.13 | 0.13 | 0.15 | 0.16 | 0.14 | 0.02 | 14 | |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.19 | 0.19 | 0.20 | 0.23 | 0.27 | 0.22 | 0.04 | 19 | |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.018 | 0.024 | 0.031 | 0.050 | 0.068 | 0.038 | 0.02 | 54 | |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.048 | 0.049 | 0.059 | 0.086 | 0.10 | 0.068 | 0.02 | 34 | |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | <0.005 | | | <0.005 | | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.018 | 0.021 | 0.023 | 0.025 | 0.033 | 0.024 | 0.006 | 24 | |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.046 | 0.062 | 0.062 | 0.063 | 0.078 | 0.062 | 0.01 | 18 | |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.077 | 0.089 | 0.13 | 0.14 | 0.15 | 0.12 | 0.03 | 28 | |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.13 | 0.15 | 0.15 | 0.16 | 0.19 | 0.16 | 0.02 | 15 | |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.15 | 0.22 | 0.31 | 0.37 | 0.38 | 0.29 | 0.1 | 38 | |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.074 | 0.080 | 0.086 | 0.11 | 0.14 | 0.10 | 0.04 | 35 | |
| SFM0051 | HIGH (2:1) | DS | 4 | 0.091 | 0.14 | 0.15 | 0.17 | 0.22 | 0.15 | 0.05 | 34 | |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.023 | 0.025 | 0.034 | 0.047 | 0.063 | 0.038 | 0.02 | 47 | |
| SFM0056 | LOW (Coast) | not DS | 4 | <0.005 | <0.005 | <0.005 | 0.012 | 0.039 | 0.012 | 0.02 | 160 | |
| SFM0057 | LOW (2:8) | DS | 5 | 0.16 | 0.21 | 0.21 | 0.26 | 0.35 | 0.24 | 0.07 | 30 | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.043 | 0.044 | 0.046 | 0.050 | 0.055 | 0.048 | 0.006 | 14 | |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Forsmark area | Soil tubes | All | 85 | <0.05 | <0.05 | 0.086 | 0.18 | 0.40 | 0.12 | 0.1 | 87 | |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.05 | <0.05 | 0.091 | 0.17 | 0.40 | 0.12 | 0.09 | 77 | |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | <0.05 | <0.05 | 0.21 | 0.38 | 0.12 | 0.1 | 110 | |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | <0.05 | 0.01 | 74 | |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% | |
| Simpevarp area | Soil tubes | All | 18 | 0.030 | 0.43 | 0.74 | 1.1 | 3.4 | 0.97 | 0.9 | 90 | |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 0.79 | 0.85 | 0.91 | 1.5 | 2.2 | 1.3 | 0.8 | 60 | |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.030 | 0.34 | 0.70 | 1.1 | 3.4 | 0.91 | 0.9 | 100 | |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.097 | 0.12 | 0.14 | 0.23 | 1.0 | 0.24 | 0.3 | 110 | |

Ground Water

| Y | | | Yttrium (µg/l) | | | | | | | | Y |
|------------------|--------------|----------|----------------|-------|-------|--------|-------|-------|-------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 1.7 | 2.3 | 2.8 | 3.1 | 5.6 | 3.1 | 1 | 44 |
| SFM0002 | HIGH (2:1) | DS | 6 | 2.8 | 2.8 | 3.1 | 3.7 | 5.0 | 3.4 | 0.9 | 25 |
| SFM0003 | HIGH (2:1) | DS | 6 | 0.16 | 0.18 | 0.20 | 0.25 | 0.40 | 0.23 | 0.09 | 39 |
| SFM0005 | HIGH (Coast) | DS | 3 | 2.3 | 2.8 | 3.2 | 3.3 | 3.4 | 3.0 | 0.6 | 19 |
| SFM0006 | HIGH (5:1) | DS | 3 | 5.3 | 5.7 | 6.1 | 6.8 | 7.6 | 6.3 | 1 | 18 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.45 | 0.55 | 0.68 | 0.88 | 1.6 | 0.83 | 0.4 | 54 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.86 | 0.98 | 1.2 | 1.4 | 2.1 | 1.3 | 0.5 | 37 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | 0.055 | | | 0.055 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.027 | | | 0.027 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.05 | | | <0.05 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.05 | | | <0.05 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.31 | 0.36 | 0.39 | 0.39 | 0.74 | 0.44 | 0.2 | 39 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 1.5 | 1.6 | 1.7 | 1.7 | 2.3 | 1.8 | 0.3 | 17 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 2.5 | 2.8 | 3.8 | 4.0 | 5.2 | 3.7 | 1 | 29 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 1.9 | 2.0 | 2.0 | 2.5 | 2.5 | 2.2 | 0.3 | 13 |
| SFM0037 | LOW (2:1) | not DS | 4 | 1.9 | 2.5 | 3.7 | 4.9 | 5.4 | 3.7 | 2 | 45 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 1.1 | 1.1 | 1.1 | 1.6 | 2.1 | 1.4 | 0.6 | 40 |
| SFM0051 | HIGH (2:1) | DS | 4 | 1.00 | 1.4 | 1.6 | 1.8 | 2.4 | 1.6 | 0.6 | 35 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 0.29 | 0.31 | 0.39 | 0.53 | 0.74 | 0.45 | 0.2 | 46 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.030 | 0.038 | 0.046 | 0.16 | 0.49 | 0.15 | 0.2 | 150 |
| SFM0057 | LOW (2:8) | DS | 5 | 3.2 | 3.4 | 4.2 | 4.7 | 6.4 | 4.4 | 1 | 30 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.88 | 0.96 | 1.0 | 1.1 | 1.2 | 1.0 | 0.1 | 14 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.05 | 0.49 | 1.7 | 2.9 | 7.6 | 2.0 | 2 | 86 |
| Forsmark area | Soil tubes | 'Higher' | 63 | 0.16 | 0.93 | 1.7 | 2.8 | 7.6 | 2.1 | 2 | 76 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.05 | 0.053 | 0.44 | 3.3 | 6.4 | 1.8 | 2 | 120 |
| Forsmark area | Soil tubes | In lake | 3 | <0.05 | <0.05 | <0.05 | <0.05 | 0.055 | <0.05 | 0.02 | 48 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.05 | | | <0.05 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | 0.31 | 5.0 | 11 | 14 | 44 | 14 | 10 | 95 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 9.9 | 11 | 13 | 24 | 36 | 19 | 10 | 72 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | 0.31 | 4.0 | 9.0 | 14 | 44 | 13 | 10 | 100 |
| Laxemar pre-PLU | Soil tubes | All | 12 | 0.87 | 1.4 | 2.4 | 2.8 | 14 | 3.3 | 4 | 110 |

| Zn | | | Zinc (µg/l) | | | | | | | | Zn |
|------------------|---------------|-----------|-------------|------|------|--------|------|------|------|------|-----|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 7 | <1 | <1 | 1.3 | 2.3 | 3.2 | 1.6 | 1 | 72 |
| SFM0002 | HIGH (2:1) | DS | 5 | 0.79 | 1.1 | 1.5 | 2.5 | 3.7 | 1.9 | 1 | 62 |
| SFM0003 | HIGH (2:1) | DS | 7 | <1 | <1 | <1 | 1.1 | 2.6 | <1 | 0.8 | 76 |
| SFM0005 | HIGH (Coast) | DS | 4 | 0.46 | 0.67 | 0.77 | 0.96 | 1.4 | 0.85 | 0.4 | 48 |
| SFM0006 | HIGH (5:1) | DS | 3 | 1.1 | 1.1 | 1.1 | 2.7 | 4.2 | 2.2 | 2 | 82 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.24 | 0.31 | 0.39 | 0.61 | 0.63 | 0.44 | 0.2 | 41 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.71 | 0.91 | 0.95 | 1.1 | 1.3 | 0.99 | 0.2 | 21 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <2 | | | <2 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.25 | | | 0.25 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <2 | | | <2 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <2 | | | <2 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.35 | 0.37 | 0.63 | 0.80 | 1.2 | 0.67 | 0.3 | 51 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.33 | 0.44 | 0.54 | 0.55 | 0.62 | 0.50 | 0.1 | 23 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.75 | 0.82 | 1.1 | 1.3 | 1.7 | 1.1 | 0.4 | 33 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 0.21 | 0.30 | 0.30 | 0.84 | 3.0 | 0.92 | 1 | 130 |
| SFM0037 | LOW (2:1) | not DS | 4 | 0.21 | 0.44 | 0.69 | 0.99 | 1.4 | 0.74 | 0.5 | 67 |
| SFM0049 | HIGH (Coast) | not DS | 3 | <0.2 | 0.25 | 0.40 | 0.49 | 0.57 | 0.36 | 0.2 | 67 |
| SFM0051 | HIGH (2:1) | DS | 4 | 3.5 | 4.8 | 5.9 | 9.8 | 20 | 8.7 | 7 | 84 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 2.5 | 2.8 | 3.1 | 4.0 | 5.6 | 3.6 | 1 | 39 |
| SFM0056 | LOW (Coast) | not DS | 4 | 2.8 | 4.5 | 6.5 | 9.1 | 13 | 7.1 | 4 | 60 |
| SFM0057 | LOW (2:8) | DS | 5 | 0.44 | 0.57 | 0.61 | 1.00 | 2.1 | 0.94 | 0.7 | 72 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 1.3 | 1.4 | 1.6 | 1.8 | 2.1 | 1.7 | 0.4 | 25 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 87 | <2 | <2 | <2 | <2 | 20 | <2 | 3 | 150 |
| Forsmark area | Soil tubes | 'Higher' | 65 | <2 | <2 | <2 | <2 | 20 | <2 | 3 | 150 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <2 | <2 | <2 | <2 | 13 | <2 | 3 | 150 |
| Forsmark area | Soil tubes | In lake | 3 | <2 | <2 | <2 | <2 | <2 | <2 | 0.4 | 58 |
| Forsmark area | Soil tubes | At sea | 1 | | | <2 | | | <2 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 12 | 10 | 10 | 15 | 50 | 140 | 35 | 40 | 110 |
| Forsmark area | Private wells | drilled | 13 | 10 | 10 | 10 | 100 | 500 | 92 | 200 | 170 |

Ground Water

| Zr | | | Zirconium (µg/l) | | | | | | | | Zr |
|-------------------------|--------------|----------|------------------|------------|-------------|----------------|-------------|------------|-------------|-------------|------------|
| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| SFM0001 | HIGH (Coast) | DS | 6 | 3.6 | 4.7 | 5.6 | 6.9 | 8.5 | 5.8 | 2 | 31 |
| SFM0002 | HIGH (2:1) | DS | 6 | 4.5 | 5.5 | 7.5 | 8.9 | 11 | 7.5 | 3 | 35 |
| SFM0003 | HIGH (2:1) | DS | 6 | 0.31 | 0.33 | 0.39 | 0.42 | 0.44 | 0.38 | 0.06 | 15 |
| SFM0005 | HIGH (Coast) | DS | 3 | 0.78 | 0.85 | 0.91 | 0.93 | 0.96 | 0.88 | 0.09 | 10 |
| SFM0006 | HIGH (5:1) | DS | 3 | 0.59 | 0.65 | 0.71 | 1.0 | 1.3 | 0.87 | 0.4 | 44 |
| SFM0008 | HIGH (5:1) | DS | 5 | 0.27 | 0.43 | 0.60 | 1.3 | 1.3 | 0.78 | 0.5 | 63 |
| SFM0009 | HIGH (2:6) | DS | 5 | 0.61 | 0.72 | 1.00 | 1.5 | 1.6 | 1.1 | 0.4 | 41 |
| SFM0012 | LOW (2:8) | Lake | 1 | | | <0.3 | | | <0.3 | | |
| SFM0015 | LOW (2:10) | Lake | 1 | | | 0.63 | | | 0.63 | | |
| SFM0023 | LOW (2:3) | Lake | 1 | | | <0.3 | | | <0.3 | | |
| SFM0025 | LOW (Coast) | Sea | 1 | | | <0.3 | | | <0.3 | | |
| SFM0027 | LOW (8:1) | not DS | 5 | 0.54 | 0.77 | 0.81 | 0.84 | 1.1 | 0.82 | 0.2 | 25 |
| SFM0029 | HIGH (4:2) | not DS | 5 | 0.94 | 0.98 | 1.1 | 1.4 | 1.4 | 1.2 | 0.2 | 19 |
| SFM0031 | HIGH (2:3) | not DS | 5 | 0.24 | 0.26 | 0.28 | 0.28 | 0.33 | 0.28 | 0.03 | 12 |
| SFM0032 | HIGH (2:3) | not DS | 5 | 3.1 | 3.6 | 3.6 | 3.8 | 4.9 | 3.8 | 0.7 | 18 |
| SFM0037 | LOW (2:1) | not DS | 4 | 3.0 | 3.6 | 4.1 | 4.5 | 4.6 | 4.0 | 0.8 | 19 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 0.35 | 0.40 | 0.45 | 0.73 | 1.0 | 0.60 | 0.4 | 59 |
| SFM0051 | HIGH (2:1) | DS | 4 | 3.4 | 3.9 | 5.1 | 6.6 | 7.6 | 5.3 | 2 | 36 |
| SFM0053 | HIGH (4:2) | not DS | 4 | 1.7 | 1.8 | 1.8 | 2.0 | 2.1 | 1.9 | 0.2 | 9.4 |
| SFM0056 | LOW (Coast) | not DS | 4 | 0.19 | 0.22 | 0.26 | 0.67 | 1.8 | 0.63 | 0.8 | 130 |
| SFM0057 | LOW (2:8) | DS | 5 | 1.2 | 1.3 | 1.3 | 1.8 | 2.2 | 1.6 | 0.4 | 28 |
| SFM0060 | HIGH (Coast) | not DS | 3 | 0.54 | 0.57 | 0.61 | 0.65 | 0.70 | 0.62 | 0.08 | 13 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 85 | <0.3 | 0.54 | 1.1 | 3.6 | 11 | 2.2 | 2 | 110 |
| Forsmark area | Soil tubes | 'Higher' | 63 | <0.3 | 0.56 | 1.3 | 3.7 | 11 | 2.5 | 3 | 110 |
| Forsmark area | Soil tubes | 'Lower' | 22 | <0.3 | 0.35 | 0.98 | 1.8 | 4.6 | 1.4 | 1 | 97 |
| Forsmark area | Soil tubes | In lake | 3 | <0.3 | <0.3 | <0.3 | 0.39 | 0.63 | 0.31 | 0.3 | 89 |
| Forsmark area | Soil tubes | At sea | 1 | | | <0.3 | | | <0.3 | | |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Simpevarp area | Soil tubes | All | 18 | <0.3 | 2.1 | 3.6 | 6.1 | 9.9 | 3.9 | 3 | 70 |
| Simpevarp area | Soil tubes | 'Higher' | 3 | 2.0 | 3.0 | 4.0 | 6.9 | 9.9 | 5.3 | 4 | 78 |
| Simpevarp area | Soil tubes | 'Lower' | 15 | <0.3 | 2.2 | 3.6 | 5.6 | 7.8 | 3.7 | 3 | 69 |

Electrical conductivity (lab) (mS/m)

| Soil tube | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|------------------|---------------|-----------|-------|------|------|-------------|------|------|------|------|-----|
| SFM0001 | HIGH (Coast) | DS | 8 | 110 | 160 | 180 | 240 | 270 | 190 | 60 | 33 |
| SFM0002 | HIGH (2:1) | DS | 9 | 62 | 68 | 71 | 72 | 92 | 73 | 9 | 13 |
| SFM0003 | HIGH (2:1) | DS | 8 | 73 | 75 | 75 | 76 | 84 | 76 | 3 | 4.3 |
| SFM0005 | HIGH (Coast) | DS | 5 | 55 | 56 | 63 | 64 | 64 | 60 | 5 | 7.5 |
| SFM0006 | HIGH (5:1) | DS | 5 | 83 | 85 | 90 | 92 | 110 | 93 | 10 | 13 |
| SFM0008 | HIGH (5:1) | DS | 7 | 81 | 88 | 100 | 120 | 140 | 110 | 20 | 22 |
| SFM0009 | HIGH (2:6) | DS | 6 | 45 | 48 | 51 | 53 | 62 | 52 | 6 | 12 |
| SFM0012 | LOW (2:8) | Lake | 8 | 710 | 730 | 740 | 750 | 770 | 740 | 20 | 2.6 |
| SFM0014 | HIGH (2:10) | not DS | 1 | | | 53 | | | 53 | | |
| SFM0015 | LOW (2:10) | Lake | 7 | 190 | 200 | 200 | 210 | 220 | 200 | 10 | 5.6 |
| SFM0016 | HIGH (2:10) | not DS | 1 | | | 68 | | | 68 | | |
| SFM0022 | LOW (8:1) | Lake | 4 | 340 | 400 | 420 | 440 | 480 | 420 | 60 | 13 |
| SFM0023 | LOW (2:3) | Lake | 7 | 1100 | 1200 | 1200 | 1200 | 1200 | 1200 | 20 | 1.8 |
| SFM0024 | LOW (Coast) | Sea | 2 | 580 | | 600 | | 620 | 600 | 20 | 3.8 |
| SFM0025 | LOW (Coast) | Sea | 7 | 600 | 620 | 640 | 660 | 670 | 640 | 30 | 4.0 |
| SFM0027 | LOW (8:1) | not DS | 7 | 86 | 88 | 89 | 90 | 93 | 89 | 2 | 2.4 |
| SFM0029 | HIGH (4:2) | not DS | 6 | 70 | 71 | 73 | 77 | 79 | 74 | 4 | 5.1 |
| SFM0031 | HIGH (2:3) | not DS | 7 | 82 | 87 | 89 | 89 | 91 | 88 | 3 | 3.4 |
| SFM0032 | HIGH (2:3) | not DS | 9 | 64 | 65 | 67 | 68 | 75 | 67 | 3 | 5.2 |
| SFM0037 | LOW (2:1) | not DS | 7 | 88 | 97 | 100 | 120 | 150 | 110 | 20 | 20 |
| SFM0049 | HIGH (Coast) | not DS | 3 | 36 | 36 | 37 | 37 | 38 | 37 | 1 | 2.9 |
| SFM0051 | HIGH (2:1) | DS | 6 | 64 | 67 | 69 | 70 | 75 | 69 | 4 | 5.8 |
| SFM0053 | HIGH (4:2) | not DS | 6 | 66 | 68 | 71 | 72 | 76 | 71 | 4 | 5.0 |
| SFM0056 | LOW (Coast) | not DS | 6 | 68 | 250 | 270 | 270 | 280 | 230 | 80 | 35 |
| SFM0057 | LOW (2:8) | DS | 6 | 66 | 110 | 150 | 150 | 170 | 130 | 40 | 30 |
| SFM0059 | HIGH (7:2) | not DS | 1 | | | 250 | | | 250 | | |
| SFM0060 | HIGH (Coast) | not DS | 3 | 67 | 68 | 68 | 73 | 78 | 71 | 6 | 8.3 |
| SFM0061 | HIGH (7:2) | not DS | 3 | 60 | 60 | 60 | 61 | 63 | 61 | 2 | 2.8 |
| SFM0062 | LOW (2:3) | Lake | 3 | 58 | 58 | 58 | 61 | 63 | 60 | 3 | 5.5 |
| SFM0063 | LOW (2:3) | Lake | 2 | 48 | | 83 | | 120 | 83 | 50 | 59 |
| SFM0065 | LOW (4:2) | Lake | 1 | | | 200 | | | 200 | | |
| SFM0074 | HIGH (2:3) | not DS | 10 | 68 | 75 | 76 | 78 | 100 | 78 | 9 | 11 |
| Summary Forsmark | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Soil tubes | All | 171 | 36 | 68 | 86 | 200 | 1200 | 210 | 300 | 130 |
| Forsmark area | Soil tubes | 'Higher' | 104 | 36 | 66 | 73 | 85 | 270 | 84 | 40 | 50 |
| Forsmark area | Soil tubes | 'Lower' | 67 | 48 | 100 | 220 | 660 | 1200 | 400 | 400 | 88 |
| Forsmark area | Soil tubes | In lake | 32 | 48 | 200 | 450 | 760 | 1200 | 550 | 400 | 74 |
| Forsmark area | Soil tubes | At sea | 9 | 580 | 620 | 620 | 660 | 670 | 630 | 30 | 4.7 |
| Reference | | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
| Forsmark area | Private wells | excavated | 18 | 23 | 47 | 72 | 120 | 490 | 120 | 100 | 110 |
| Forsmark area | Private wells | drilled | 26 | 14 | 68 | 120 | 880 | 1400 | 420 | 500 | 130 |
| Simpevarp area | Private wells | excavated | 133 | 2.0 | 11 | 25 | 43 | 280 | 36 | 40 | 120 |
| Simpevarp area | Private wells | drilled | 286 | 9.0 | 37 | 55 | 89 | 430 | 77 | 70 | 85 |
| Simpevarp area | Soil tubes | All | 63 | 4.0 | 19 | 29 | 57 | 120 | 42 | 30 | 78 |
| Simpevarp area | Soil tubes | 'Higher' | 16 | 4.0 | 16 | 20 | 23 | 62 | 23 | 10 | 66 |
| Simpevarp area | Soil tubes | 'Lower' | 47 | 6.5 | 22 | 34 | 65 | 120 | 48 | 30 | 72 |
| Laxemar pre-PLU | Soil tubes | All | 22 | 18 | 55 | 120 | 200 | 610 | 170 | 200 | 97 |

Precipitation

| | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|--|-----------|-------|--------|--------|------------------|--------|--------|--------|-------|-----|
| Aluminium (Al) µg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | <0.015 | <0.015 | 0.019 | 0.041 | 0.15 | 0.041 | 0.06 | 130 |
| PFM002564 | Forsmark | 8 | <0.015 | <0.015 | 0.021 | 0.028 | 0.043 | 0.022 | 0.01 | 62 |
| Bromide (Br) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 8 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| PFM002457 | Forsmark | 6 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | | |
| PSM002170 | Simpevarp | 37 | <0.2 | <0.2 | <0.2 | <0.2 | 3.4 | 0.21 | 0.6 | 260 |
| Calcium (Ca) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 8 | 0.070 | 0.088 | 0.16 | 0.32 | 0.46 | 0.21 | 0.1 | 70 |
| PFM002457 | Forsmark | 6 | 0.090 | 0.19 | 0.37 | 0.50 | 0.83 | 0.39 | 0.3 | 70 |
| PSM002170 | Simpevarp | 11 | 0.20 | 0.45 | 0.60 | 1.4 | 5.2 | 1.3 | 1 | 110 |
| IVL:289 | Enköping | 5 | 0.12 | 0.13 | 0.16 | 0.19 | 0.20 | 0.16 | 0.04 | 22 |
| IVL:261 | Vimmerby | 5 | 0.11 | 0.12 | 0.13 | 0.13 | 0.18 | 0.13 | 0.03 | 20 |
| IVL:1554 | Gotland | 3 | 0.24 | 0.31 | 0.38 | 0.38 | 0.38 | 0.33 | 0.08 | 24 |
| Dissolved organic carbon (DOC) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | 1.3 | 2.0 | 2.5 | 2.7 | 3.3 | 2.4 | 0.7 | 29 |
| PFM002564 | Forsmark | 8 | 0.60 | 0.90 | 2.5 | 3.0 | 3.4 | 2.1 | 1 | 55 |
| Bicarbonate (HCO₃) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| PFM002564 | Forsmark | 8 | <1 | <1 | <1 | <1 | <1 | <1 | | |
| PSM002170 | Simpevarp | 15 | <0.2 | <0.2 | <0.2 | <0.2 | 1.0 | 0.20 | 0.3 | 140 |
| Chloride (Cl) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | 0.42 | 0.55 | 0.72 | 1.0 | 2.9 | 1.1 | 0.9 | 87 |
| PFM002564 | Forsmark | 8 | 0.30 | 0.41 | 0.70 | 0.93 | 1.5 | 0.74 | 0.4 | 55 |
| PSM002170 | Simpevarp | 37 | 0.40 | 0.80 | 1.2 | 1.8 | 440 | 13 | 70 | 530 |
| IVL:289 | Enköping | 5 | 0.40 | 0.41 | 0.45 | 0.47 | 0.49 | 0.44 | 0.04 | 8.7 |
| IVL:261 | Vimmerby | 5 | 0.26 | 0.29 | 0.36 | 0.42 | 0.49 | 0.36 | 0.09 | 26 |
| IVL:1554 | Gotland | 5 | 1.2 | 1.3 | 1.4 | 1.5 | 1.8 | 1.4 | 0.2 | 16 |
| Chlorine-37 (Cl-37) dev. SMOC | | | | | | | | | | |
| PSM002170 | Simpevarp | 1 | 0.0700 | | | | 0.0700 | 0.0700 | | |
| Deuterium (D) dev. SMOW | | | | | | | | | | |
| PFM002564 | Forsmark | 7 | -109 | -94.3 | -77.9 | -76.2 | -57.1 | -83.5 | 19 | -22 |
| PSM002170 | Simpevarp | 14 | -125 | -92.1 | -75.7 | -65.0 | -44.4 | -78.7 | 23 | -29 |
| Fluoride (F) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 1 | <0.2 | | | | <0.2 | <0.2 | | |
| PSM002170 | Simpevarp | 37 | <0.2 | <0.2 | <0.2 | <0.2 | 0.68 | <0.2 | 0.1 | 93 |
| Iodide (I) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 1 | <0.001 | | | | <0.001 | <0.001 | | |
| Iron (total) (Fe) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | 0.0030 | 0.0078 | 0.012 | 0.016 | 0.29 | 0.057 | 0.1 | 200 |
| PFM002564 | Forsmark | 8 | 0.0010 | 0.0010 | 0.0030 | 0.0088 | 0.025 | 0.0076 | 0.01 | 130 |
| PSM002170 | Simpevarp | 11 | <0.02 | <0.02 | 0.022 | 0.034 | 0.10 | 0.032 | 0.03 | 94 |
| Lithium (Li) mg/l | | | | | | | | | | |
| PSM002170 | Simpevarp | 10 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | <0.004 | | |
| Magnesium (Mg) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | 0.046 | 0.065 | 0.078 | 0.082 | 0.17 | 0.086 | 0.04 | 50 |
| PFM002564 | Forsmark | 8 | 0.020 | 0.065 | 0.078 | 0.090 | 0.14 | 0.078 | 0.03 | 43 |
| PSM002170 | Simpevarp | 11 | <0.1 | 0.10 | 0.10 | 0.20 | 0.30 | 0.15 | 0.09 | 59 |
| IVL:289 | Enköping | 5 | 0.040 | 0.040 | 0.040 | 0.050 | 0.060 | 0.046 | 0.009 | 19 |
| IVL:261 | Vimmerby | 5 | 0.040 | 0.040 | 0.040 | 0.050 | 0.060 | 0.046 | 0.009 | 19 |
| IVL:1554 | Gotland | 5 | 0.090 | 0.11 | 0.15 | 0.17 | 0.21 | 0.15 | 0.05 | 33 |
| Manganese (Mn) mg/l | | | | | | | | | | |
| PSM002170 | Simpevarp | 11 | 0.0049 | 0.0067 | 0.014 | 0.037 | 0.070 | 0.024 | 0.02 | 94 |
| Nitrogen - total (tot-N) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 1 | 0.25 | | | | 0.25 | 0.25 | | |

Precipitation

| | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|--|-----------|-------|--------|--------|------------------|--------|-------|--------|-------|-----|
| Nitrogen as nitrate (NO3-N) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | 0.044 | 0.36 | 0.43 | 0.57 | 0.72 | 0.43 | 0.2 | 54 |
| PFM002564 | Forsmark | 8 | 0.14 | 0.31 | 0.34 | 0.43 | 0.80 | 0.40 | 0.2 | 52 |
| IVL:289 | Enköping | 5 | 0.25 | 0.31 | 0.31 | 0.40 | 0.40 | 0.33 | 0.07 | 19 |
| IVL:261 | Vimmerby | 5 | 0.22 | 0.25 | 0.33 | 0.34 | 0.35 | 0.30 | 0.06 | 20 |
| IVL:1554 | Gotland | 5 | 0.51 | 0.54 | 0.57 | 0.60 | 0.63 | 0.57 | 0.05 | 8.3 |
| Nitrogen as ammonium (NH4-N) mg/l | | | | | | | | | | |
| IVL:289 | Enköping | 5 | 0.25 | 0.28 | 0.31 | 0.34 | 0.42 | 0.32 | 0.07 | 20 |
| IVL:261 | Vimmerby | 5 | 0.22 | 0.23 | 0.29 | 0.31 | 0.31 | 0.27 | 0.04 | 16 |
| IVL:1554 | Gotland | 4 | 0.39 | 0.44 | 0.50 | 0.58 | 0.70 | 0.52 | 0.1 | 26 |
| Nitrogen as Kjeldahl nitrogen (Kj-N) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | <0.15 | 0.20 | 0.31 | 0.33 | 0.77 | 0.33 | 0.2 | 73 |
| PFM002564 | Forsmark | 8 | 0.20 | 0.35 | 0.41 | 1.2 | 1.5 | 0.71 | 0.5 | 76 |
| Oxygen-18 (O-18) dev. SMOW | | | | | | | | | | |
| PFM002564 | Forsmark | 7 | -15.4 | -13.2 | -11.2 | -10.7 | -8.30 | -11.8 | 2.5 | -21 |
| PSM002170 | Simpevarp | 14 | -16.9 | -12.4 | -10.4 | -8.75 | -6.60 | -10.8 | 3.1 | -28 |
| Phosphorus- total (tot-P) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | <0.002 | <0.002 | <0.002 | 0.0028 | 0.019 | 0.0045 | 0.007 | 160 |
| PFM002564 | Forsmark | 8 | 0.0010 | 0.0018 | 0.0065 | 0.084 | 0.11 | 0.039 | 0.05 | 130 |
| Potassium (K) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | <0.08 | <0.08 | <0.08 | 0.14 | 0.35 | 0.13 | 0.1 | 92 |
| PFM002564 | Forsmark | 8 | 0.070 | 0.098 | 0.14 | 0.22 | 0.67 | 0.22 | 0.2 | 94 |
| PSM002170 | Simpevarp | 11 | <0.4 | <0.4 | 0.42 | 0.73 | 1.7 | 0.58 | 0.5 | 89 |
| IVL:289 | Enköping | 5 | 0.10 | 0.11 | 0.12 | 0.12 | 0.14 | 0.12 | 0.01 | 13 |
| IVL:261 | Vimmerby | 5 | 0.10 | 0.10 | 0.11 | 0.12 | 0.13 | 0.11 | 0.01 | 12 |
| IVL:1554 | Gotland | 5 | 0.12 | 0.12 | 0.15 | 0.17 | 0.31 | 0.17 | 0.08 | 45 |
| Silicon (Si) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 1 | <0.03 | | | | <0.03 | <0.03 | | |
| PSM002170 | Simpevarp | 11 | <0.03 | <0.03 | <0.03 | 0.040 | 0.10 | 0.032 | 0.03 | 82 |
| Sodium (Na) mg/l | | | | | | | | | | |
| PFM002457 | Forsmark | 6 | 0.26 | 0.44 | 0.53 | 0.66 | 1.1 | 0.59 | 0.3 | 49 |
| PFM002564 | Forsmark | 8 | 0.22 | 0.31 | 0.44 | 0.58 | 1.0 | 0.49 | 0.3 | 51 |
| PSM002170 | Simpevarp | 11 | 0.40 | 0.55 | 1.2 | 2.4 | 8.1 | 2.3 | 3 | 110 |
| IVL:289 | Enköping | 5 | 0.25 | 0.27 | 0.27 | 0.29 | 0.31 | 0.28 | 0.02 | 8.2 |
| IVL:261 | Vimmerby | 5 | 0.16 | 0.16 | 0.25 | 0.28 | 0.30 | 0.23 | 0.07 | 29 |
| IVL:1554 | Gotland | 5 | 0.70 | 0.79 | 0.87 | 0.91 | 1.0 | 0.86 | 0.1 | 14 |
| Strontium (Sr) mg/l | | | | | | | | | | |
| PSM002170 | Simpevarp | 11 | 0.0010 | 0.0030 | 0.0050 | 0.025 | 0.067 | 0.018 | 0.02 | 140 |
| Sulphate (SO4) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 1 | 0.52 | | | | 0.52 | 0.52 | | |
| PSM002170 | Simpevarp | 37 | 0.44 | 0.87 | 1.7 | 2.3 | 25 | 2.6 | 4 | 160 |
| Sulphate as sulphur (SO4-S) mg/l | | | | | | | | | | |
| PFM002564 | Forsmark | 8 | 0.21 | 0.35 | 0.40 | 0.60 | 0.78 | 0.47 | 0.2 | 43 |
| PFM002457 | Forsmark | 6 | 0.38 | 0.51 | 0.55 | 0.56 | 0.63 | 0.53 | 0.08 | 16 |
| PSM002170 | Simpevarp | 11 | 0.35 | 0.49 | 0.67 | 1.0 | 1.3 | 0.74 | 0.4 | 50 |
| IVL:289 | Enköping | 5 | 0.26 | 0.33 | 0.39 | 0.41 | 0.47 | 0.37 | 0.08 | 22 |
| IVL:261 | Vimmerby | 5 | 0.26 | 0.30 | 0.38 | 0.38 | 0.41 | 0.35 | 0.06 | 18 |
| IVL:1554 | Gotland | 5 | 0.53 | 0.59 | 0.62 | 0.69 | 0.72 | 0.63 | 0.08 | 12 |
| Tritium (Tr) TU | | | | | | | | | | |
| PFM002564 | Forsmark | 7 | 7.40 | 8.55 | 9.70 | 13.0 | 13.9 | 10.6 | 2.7 | 25 |
| PSM002170 | Simpevarp | 13 | 9.00 | 10.5 | 12.7 | 14.4 | 18.8 | 12.5 | 2.9 | 23 |
| Electrical conductivity () mS/m | | | | | | | | | | |
| PFM002457 | Forsmark | 3 | 1.5 | 1.7 | 1.9 | 2.6 | 3.4 | 2.2 | 1 | 46 |
| PFM002564 | Forsmark | 8 | 1.0 | 1.8 | 2.4 | 2.9 | 3.1 | 2.2 | 0.8 | 36 |
| PSM002170 | Simpevarp | 37 | 1.2 | 2.2 | 3.2 | 4.9 | 120 | 6.5 | 20 | 280 |
| IVL:289 | Enköping | 5 | 1.1 | 1.5 | 1.5 | 1.5 | 2.3 | 1.6 | 0.4 | 27 |
| IVL:261 | Vimmerby | 5 | 1.1 | 1.2 | 1.6 | 1.6 | 1.6 | 1.4 | 0.2 | 17 |
| IVL:1554 | Gotland | 5 | 2.1 | 2.1 | 2.7 | 2.8 | 4.0 | 2.7 | 0.8 | 28 |

Precipitation

| | | Count | Min | 25-p | Median | 75-p | Max | Mean | Sdev | CV% |
|----------------|----------------|-------|------|------|-------------|------|------|------|-------|-----|
| pH (pH) | pH unit | | | | | | | | | |
| PFM002564 | Forsmark | 8 | 4.32 | 4.82 | 5.00 | 5.25 | 6.81 | 5.16 | 0.74 | 14 |
| PFM002457 | Forsmark | 6 | 4.42 | 4.54 | 4.85 | 5.41 | 6.89 | 5.17 | 0.94 | 18 |
| PSM002170 | Simpevarp | 37 | 4.06 | 4.57 | 4.88 | 5.11 | 6.17 | 4.87 | 0.43 | 8.9 |
| IVL:289 | Enköping | 5 | 4.64 | 4.74 | 4.79 | 4.83 | 4.92 | 4.78 | 0.10 | 2.2 |
| IVL:261 | Vimmerby | 5 | 4.57 | 4.59 | 4.79 | 4.85 | 4.89 | 4.74 | 0.15 | 3.1 |
| IVL:1554 | Gotland | 3 | 4.63 | 4.64 | 4.64 | 4.69 | 4.73 | 4.67 | 0.055 | 1.2 |