

## **Simpevarp site investigation**

### **Inventory of macrophyte communities at Simpevarp nuclear power plant**

#### **Area of distribution and biomass determination**

Ronny Fredriksson, Stefan Tobiasson  
Kalmar University

June 2003

**Svensk Kärnbränslehantering AB**

Swedish Nuclear Fuel  
and Waste Management Co  
Box 5864  
SE-102 40 Stockholm Sweden  
Tel 08-459 84 00  
+46 8 459 84 00  
Fax 08-661 57 19  
+46 8 661 57 19



## **Simpevarp site investigation**

### **Inventory of macrophyte communities at Simpevarp nuclear power plant**

#### **Area of distribution and biomass determination**

Ronny Fredriksson, Stefan Tobiasson  
Kalmar University

June 2003

This report concerns a study which was conducted in part for SKB. The conclusions and viewpoints presented in the report are those of the authors and do not necessarily coincide with those of the client.

A pdf version of this document can be downloaded from [www.skb.se](http://www.skb.se)

# Abstract

By order of SKB (Swedish Nuclear Fuel and Waste Management Co) a marine inventory regarding submerged macrophyte distribution and biomass were executed at Simpevarp nuclear power plant. The inventory consisted of a general survey and 20 diving transects and were executed between late September and late November 2002.

North Simpevarp, vegetation in the inner parts of the archipelago were dominated by *Chara* sp. while the extension of *Potamogeton pectinatus* increased further east in the area. In the area south Simpevarp the vegetation in the inner parts of the archipelago consisted to a great extent of the weeds *Potamogeton pectinatus* and *Ruppia* sp. At deeper areas the contribution of *Zostera marina* increased and together with *Potamogeton pectinatus* it constituted the dominating community in the area between the inner parts and the outskirts of the archipelago, where the *Fucus vesiculosus* and red algae communities dominated.

The biomass value per square meter obtained for the different vegetation communities in this study were on level with what has been seen in earlier studies for the coastline concerned. The highest biomass per square meter and cover degree had the *Fucus vesiculosus* community. Other communities with considerable biomass were the *Chara* sp. and *Vaucheria* sp. communities. The lowest biomass per square meter and cover degree had the filamentous algae community.

The community with the largest total biomass were *Fucus vesiculosus* with almost 550 metric tons dry weight in the studied area. Smallest contribution to the total vegetation biomass made the *Potamogeton perfoliatus* community.

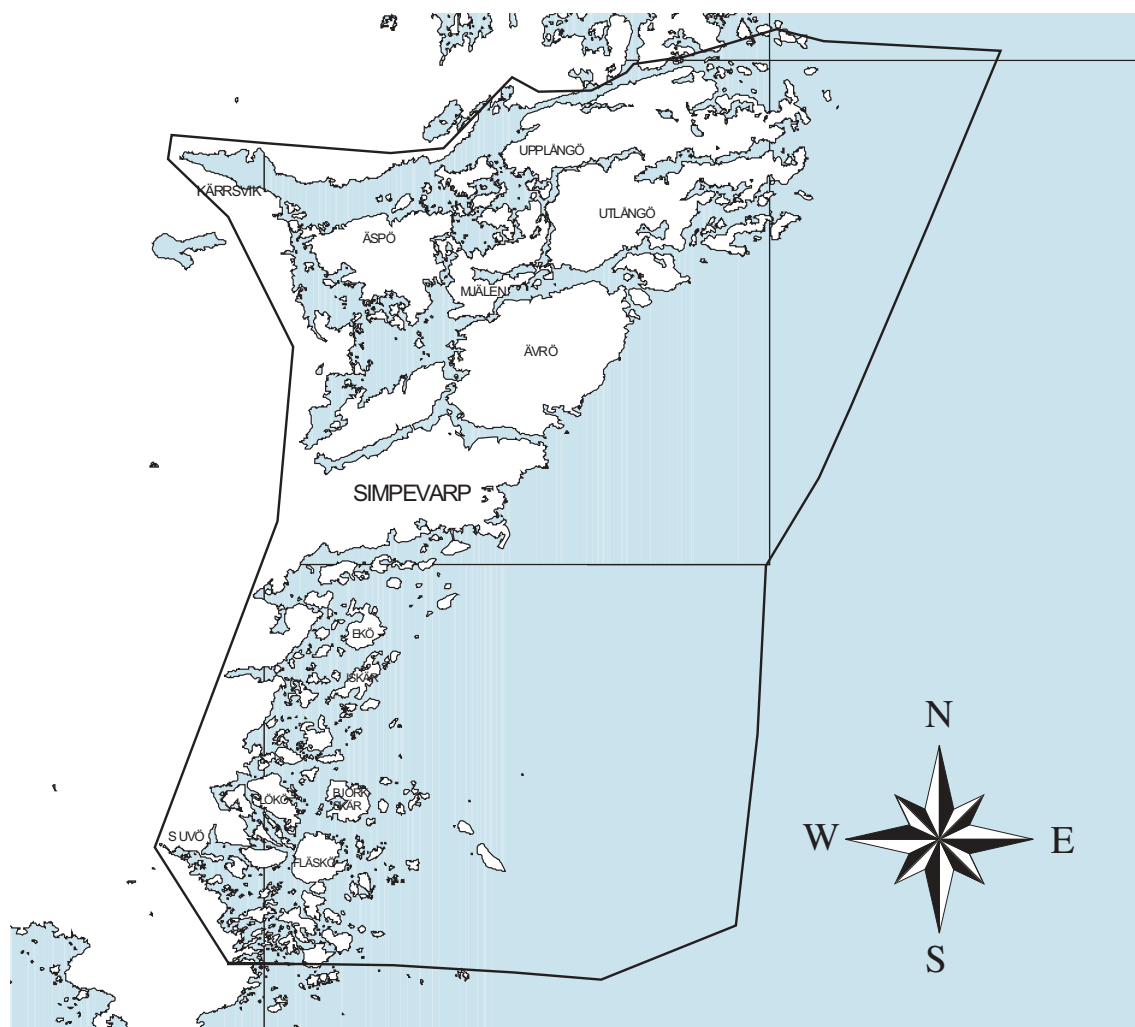
# Contents

<b>1</b>	<b>Introduction</b>	7
<b>2</b>	<b>Methods</b>	9
<b>3</b>	<b>Results</b>	11
3.1	General survey	11
3.2	Diving transects	13
3.3	Biomass estimation	15
	<b>References</b>	17
	<b>Appendices</b>	
1.	A brief description of method used	19
2.	Records from general survey	23
3.	Location of, and ocular record from diving transects	49
4.	Results from quantitative and qualitative vegetation samples	71
5.	Results from quantitative and qualitative fauna samples	73

# 1 Introduction

By order of SKB (Swedish Nuclear Fuel and Waste Management Co) a marine inventory regarding macrophytes where executed at Simpevarp nuclear power plant. The boundaries of the studied area are shown in Figure 1-1. The study was performed from late September to late November 2002.

The aim of the study was to map the area distribution of different vegetation communities and roughly determine its density and biomass.



*Figure 1-1. Boundaries of the area studied at Simpevarp nuclear power plant, 2002.*

## 2 Methods

A general survey was performed by boat. Composition and coverage percentage of the submerged vegetation was estimated by means of water field glasses and rake and the position and water depth determined by GPS with an echo sounder. The GPS displayed the position in WGS84 with a precision of at least 10 meters, which then were transformed to RT90 by means of the software FME Universal Translator from Safe Software. The determination of species was performed directly in the field and the total amount of estimated places were 1274 (Appendix 2). As a complement a study using an under water camera performed by SGU and interpreted by the University of Kalmar /Tobiasson, 2003/ was used to map the distribution and cover degree of red algae in the deeper, outer parts of the coastline.

As a complement to the general survey the vegetation along 20 diving transects was studied. Due to the large area studied the location of the profiles were chosen, not randomly placed, by means of the general survey to cover the different vegetation communities that appear in the area. From these 20 profiles quantitative samples of the vegetation were collected regarding vegetation biomass and the abundance and biomass of the associated fauna. Samples were divided into 9 plant communities on the basis of largest coverage. The different plant communities are shown in Appendix 1.

The information from the general survey and quantitative sampling was imported to and processed in a GIS-application. The software used was Arc View 3.3 from Environmental Systems Research Institute, Inc.

By means of the general survey, GIS-application and the quantitative sampling the total biomass for the different vegetation communities was estimated.

See Appendix 1 for a more detailed method description.

## 3 Results

### 3.1 General survey

#### **Northern area**

A general map of the result is shown in Figure 3-1. For more details see Appendix 2.

In the inner parts, West and East Äspö, *Chara* sp. is the dominating vegetation community and large areas have coverage of 75–100%. Almost all area with suitable substrate and depth are covered with Chara. On the shallower parts *Chara tomentosa* is the most common species while *Chara baltica* and *Chara aspera* increases with depth. Closer to the shore the contribution of *Najas marina* increases. In some parts *Najas marina* is the clearly dominating species with coverage up to 100%. In the boundary between Chara and Najas, *Chara tomentosa* and *Najas marina* often occur together. The share of each species is then hard to determine with the water field glasses.

South Äspö a large area was covered with the Xanthophyceae *Vaucheria* sp., occurring as big carpet, where the contribution of other species is minimal. The contribution of other species increased in the shallower parts of the Vaucheria belt which corresponds to earlier studies in Finland /Munsterhjelm, 1997/.

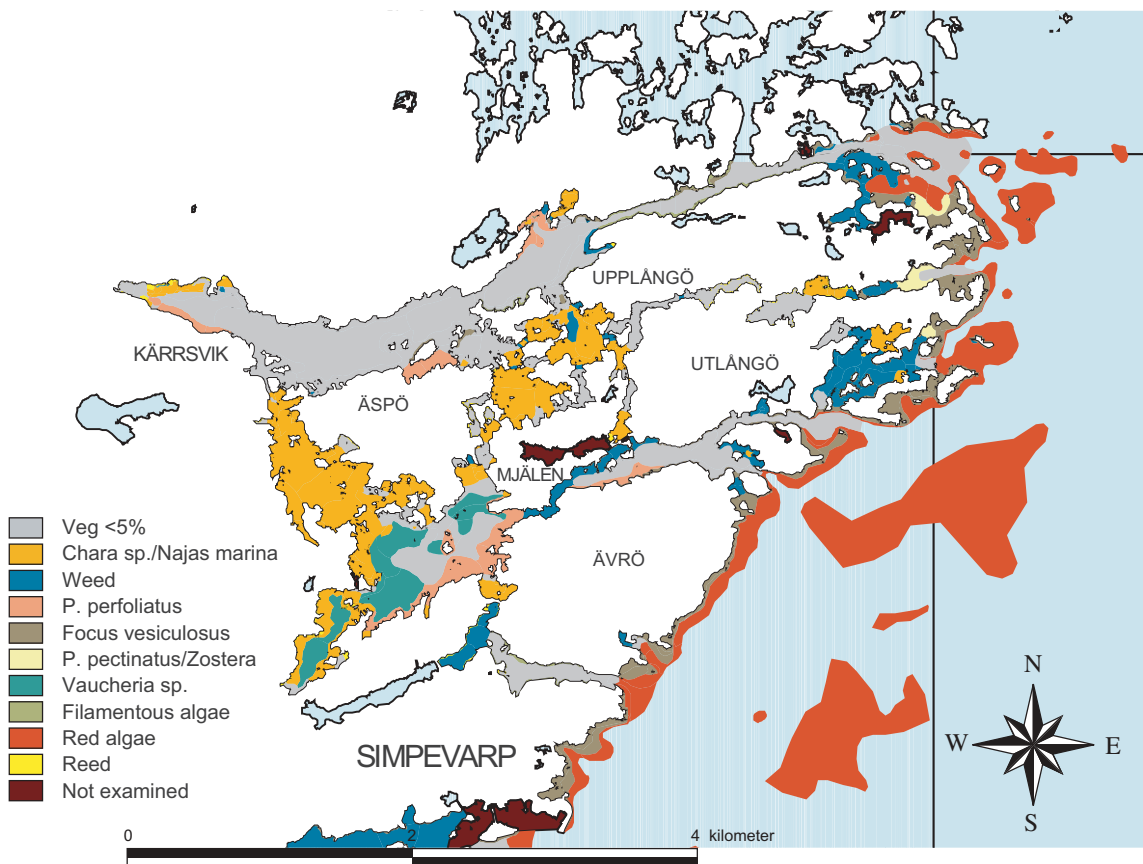


Figure 3-1. The area of distribution for different vegetation communities in the northern part of the studied area.

Large areas had a cover degree less than 5%. Which was the case in the cove from Northern Upplångö down to Kärrsvik and the cove East Mjälén due to steep rock and flat rock shorelines and great depths. Vegetation, if any, occurred only in thin borders nearest to the water's edge and consisted of filamentous algae or *Potamogeton perfoliatus* depending on substrate. The narrow coves between Upplångö and Utlångö had poor flowing through and the sediment had a considerable smell of hydrogen sulphide. Only Reed grew in considerable amounts nearest to the water's edge.

Further east in the area, east Upplångö and Utlångö, weeds were the dominating vegetation community. The Pondweed *Potamogeton pectinatus* was the most abundant species and covered large areas with coverage of 50–100%. In the waterside and on rocky shoals bladder wrack (*Fucus vesiculosus*) grew in fairly narrow borders. A little bit further east, closer to the outskirts of the archipelago, the contribution of *Zostera marina* increased, however, *Potamogeton pectinatus* still was numerous and often grew in patches alongside of *Zostera marina*.

On the outskirts of the archipelago bladder wrack was the dominating species and extended to a depth about 3 meters. Deeper red alga was the dominating vegetation community with *Furcellaria lumbricalis*, *Ceramium gobii* and *Polysiphonia fucoides* as the most common species.

At more exposed shoals at open sea red algae appeared, if there was suitable substrate, down to a depth of at least 9–10 meters. Usually the cover degree was about 25% or more.

### **Southern area**

A general map of the result is shown in Figure 3-2. For more details see Appendix 2.

In the inner parts of the archipelago weed was the dominating vegetation, covering large areas with coverage of sometimes 75–100%. Especially the area from Simpevarp south to Lökö and South-West Fläskö was dominated by weed. In this community *Potamogeton pectinatus* and *Ruppia* sp. was the dominating species and they often grew together in a patchy way making it hard to determine their contribution with the water field glasses. Along watersides with suitable substrate *Fucus vesiculosus* grew in narrow borders with a common cover degree about 50%. The most differing area was the shallow part East S Uvö where *Chara* sp. dominated the vegetation and fairly large areas had a cover degree of 75–100%. The dominating species in this *Chara* sp. community was *Chara tomentosa*. Reed occurred but there were no really extensive belts. Most numerous Reed belt was West Lökö with a few meters wide border along the waterside.

Further out in the archipelago the community shifts from being dominated by *Potamogeton pectinatus* and *Ruppia* sp. to a community where *Potamogeton pectinatus* grew together with *Zostera marina*. Just like in the Northern area *Potamogeton pectinatus* and *Zostera marina* grew together in a patchy way. On flat bottoms between island *Potamogeton pectinatus* and *Zostera marina* totally dominated the submerged vegetation if there's suitable substrate. Especially in the area North-East Fläskö the density of *Potamogeton pectinatus* and *Zostera marina* was high with coverage of 75–100%. On shoals and along watersides *Fucus vesiculosus* was common with coverage of about 50–75%.

On the outskirts of the archipelago block and flat rock was a common substrate about the areas south and north of Iskär. *Fucus* grew in narrow borders around islands and rocky islets with a narrow border of red algae following at greater water depth.



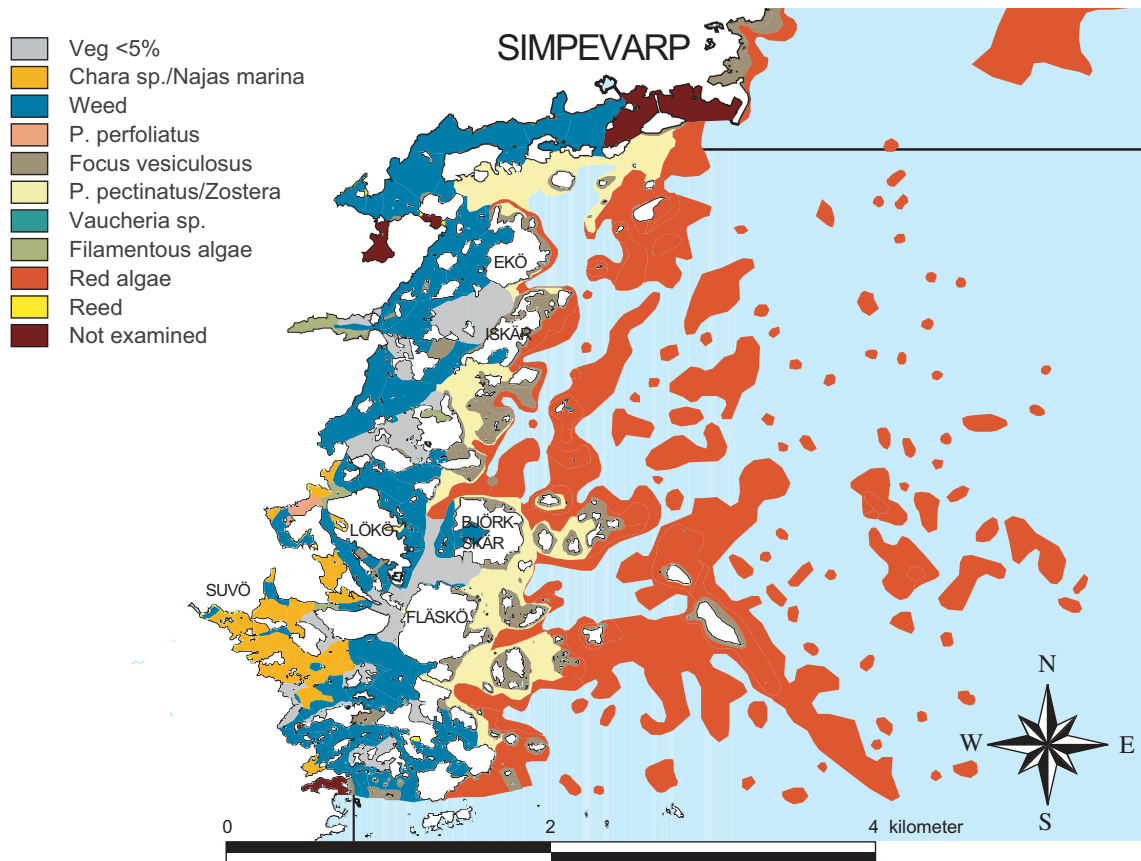


Figure 3-2. The area of distribution for different vegetation communities in the southern part of the studied area.

Further South, East Björkskär and Fläskö, *Fucus vesiculosus* still occurred along watersides but the extension of red algae community increased compared to the area around Iskär.

At more exposed shoals at open sea, just as in the Northern area, red algae appeared with a coverage of about 25% or more down to a depth of at least 9–10 m when there was suitable substrate.

## 3.2 Diving transects

### Ocular records

*Fucus vesiculosus* occurred in 3 of totally 10 diving transects (SKB 8–10) in the Northern area and all of them held belt (> 25% cover degree). The *Fucus vesiculosus* in SKB 9 and 10 were moderately grazed and recruitment appears to a moderate extent. In none of the 3 transects *Fucus vesiculosus* were substrate limited.

Transects SKB 1, 2, 5 and 6 had a clear dominance of *Chara* sp. and it confirms that the coverage of *Chara* sp., east and west Äspö, is high. The results from transects SKB 1, 2 and 5 also confirm the trend seen during the general survey, that is *Chara tomentosa* was more common on shallower part while *Chara aspera* and *Chara baltica* increases with depth (Appendix 3).

In the Southern area *Fucus vesiculosus* occurred in all diving transects and only SKB 14 and 16 lacked Fucus belt. There were no indications that lack of substrate should limit the Fucus propagation. Bladder wrack in transect SKB 11 and 13 were more grazed than in the other profiles but, however, not to a greater extent. Like in the Northern area there were moderate amounts of new recruits in the Fucus belt.

The results from transect SKB 17 confirms what had been seen during the general survey that is, that the dominating species in the weed community, *Potamogeton pectinatus* and *Ruppia* sp., grows together in a patchy way (Appendix 3).

See Appendix 3 for more detailed results and location of transects.

### Quantitative & qualitative vegetation samples

The *Fucus vesiculosus* community had the highest biomass per cover degree (8.5 g dw/m<sup>2</sup>), even when its undergrowth was not included. The *Chara* sp. and *Vaucheria* sp. communities came next with a biomass of approx 3.5 g dw/m<sup>2</sup> and cover degree (Appendix 4). Smallest biomass per cover degree had the filamentous algae and *Potamogeton perfoliatus* communities with a biomass of approx 0.5 g dw/m<sup>2</sup> and cover degree. Among them was the *Potamogeton pectinatus*, *Zostera marina* and Red algae communities with a quite similar biomass of approx 1.5 g dw/m<sup>2</sup> and cover degree. The biomass per square meter in the *Chara* sp. and *Potamogeton pectinatus* communities (Figure 3-3) correspond well with the results from earlier studies on soft bottoms in the inner archipelago of Västervik, county of Kalmar /Andersson et al, 2003/. The vegetation biomass for communities on hard substrate (eg. *Fucus vesiculosus* and red algae) fluctuates more, which has been recorded in monitoring programs along the coastline concerned /Tobiasson, 1994; Anon, 2000/. The results obtained in this study, regarding the biomass in these communities, keeps within the limit of what has been presented in earlier reports.

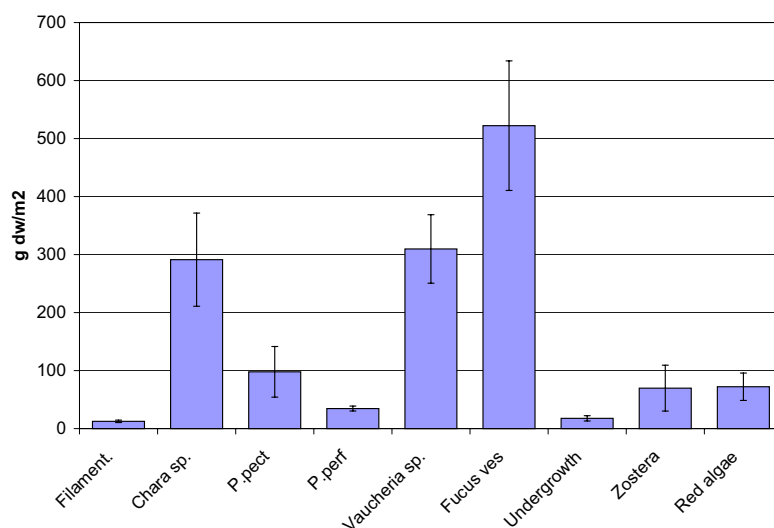


Figure 3-3. Total vegetation biomass (g dw/m<sup>2</sup> +/- SE) in the vegetation communities.

Filamentous algae and *Fucus* were the most species rich communities with 23 and 19 plant species respectively, *Fucus* undergrowth included, followed by the *Potamogeton pectinatus* community with 14 species. The lowest number of species had the *Potamogeton perfoliatus* community with *Potamogeton perfoliatus* as the only species present. Also the *Vaucheria* sp. community had a low number of species with only 2 species besides *Vaucheria* sp. Among them were the *Chara* sp., Red algae and *Zostera marina* communities with between 8 and 11 species.

For more detailed results see Appendix 4.

### **Associated fauna**

The most species rich communities regarding associated fauna species were the *Fucus vesiculosus* (with undergrowth included) and red algae communities with 31 and 28 species respectively. Lowest number of associated fauna species had the *Potamogeton perfoliatus* and *Vaucheria* sp. communities with 10 and 11 species respectively. Among them were filamentous algae, *Chara* sp. and *Potamogeton pectinatus* communities with between 19 and 21 associated fauna species.

The red algae community had the highest specimen abundance and there were mainly bivalves and molluscs that contributed to the abundance. Following red algae community in fauna abundance was the filamentous algae community and here it was the midge larva Chironomidae that was most abundant. The lowest abundance was found in the *Potamogeton perfoliatus* community.

Highest biomass of associated fauna was found in the *Fucus* (undergrowth included) and red algae communities. In both cases it was the blue mussel (*Mytilus edulis*) that contributed with a major part of the associated fauna biomass in the two vegetation communities. The filamentous algae community came next, where the mollusc *Theodoxus fluviatilis* and the bivalve *Cerastoderma hauniense* made the biggest contribution to the biomass. Biomass of associated fauna was, as in the case of abundance, lowest in the *Potamogeton perfoliatus* community.

See Appendix 5 for more detailed results.

## **3.3 Biomass estimation**

By means of the general survey, GIS-application and quantitative sampling the total biomass for the different vegetation communities, was roughly estimated (Table 3-1).

The *Fucus vesiculosus* community had the definitely largest biomass in the examined area with approx 550 metric tons dry weight, followed by the *Chara* sp. and red algae communities with a biomass between 250 and 300 metric tons. The *Potamogeton perfoliatus* and filamentous algae communities had the lowest biomass (Table 3-1).

The vegetation covering the largest area was the red algae community with an area of coverage of approx 6 million square metres. Other extensive vegetation communities were the *Fucus vesiculosus*, *Chara* sp. and *Potamogeton pectinatus* communities with an area between one and two million square meters. The filamentous algae community was the least extensive vegetation community and was approx 85 thousand square metres in area (Table 3-1).

The *Vaucheria* sp. community had the highest mean coverage (82%) of the extracted vegetation communities . Lowest coverage had the *Potamogeton perfoliatus* community (13%). The other vegetation communities had a mean coverage between 30 and 60%.

**Table 3-1. Total area of cover, cover degree and biomass for each vegetation community in the examined area.**

Community	Area m <sup>2</sup>	Cover (%)		Biomass metric ton dw
		M	+/- SE	
Filamentous algae	84 735	57	6	3
Chara sp.	1 326 117	57	2	315
Potamogeton pectinatus	1 947 944	49	2	180
Potamogeton perfoliatus	266 999	13	2	2
Vaucheria sp.	302 674	82	2	79
P. pectinatus/Z. marina	763 358	52	3	65
Fucus with undergrowth	1 026 738	62	1	548
Red algae	5 868 305	30	1	268

## References

**Andersson S, Nilsson J, Tobiasson S, 2003.** Biologiska undersökningar i samband med saneringen av Örserumsviken. Lägesrapport augusti 2002. Högskolan i Kalmar. Rapport 2003:3.

**Anon, 2000.** Samordnad kustvattenkontroll i Kalmar län. Årsrapport 2000.

**Munsterhjelm R, 1997.** The aquatic macrophyte vegetation of flads and gloes, S coast of Finland. Acta Bot. Fennica 157:1-68.

**Naturvårdsverket, 1986.** Recipientkontroll vatten. Del 1, Undersökningsmetoder basprogram. Naturvårdsverket Rapport 3108.

**Tobiasson S, 1994.** Samordnad kustvattenkontroll i Kalmar län. Årsrapport 1994. Högskolan i Kalmar. Rapport 95:2.

**Tobiasson, S. 2003.** Tolkning av undervattensfilm från Forsmark och Simpevarp. Mars 2003. Högskolan i Kalmar. Rapport 2003:6.

### A brief description of method used

#### General Survey

Between 2002-09-24 and 2002-11-20 a survey regarding distribution and cover of macrophytes was performed.

The occurrence and cover of different species and plant communities were registered according to a 7-point scale, (+) for occurrence, 5, 10, 25, 50, 75 and 100% and the position determined by GPS. These “spots” with information were imported to a GIS-project and form the basis of the map over the plant community distribution. Its dominating vegetation characterized the vegetation communities. The different plant communities extracted from the general survey were:

- Filamentous brown and green algae (eg. *Pilayella littoralis* and *Cladophora* sp.)
- *Chara* sp./*Najas marina*
- Weeds (*Potamogeton pectinatus*, *Ruppia* sp., *Zannichellia palustris* and *Myriophyllum spicatum*)
- *Potamogeton perfoliatus*
- *Vaucheria* sp.
- *Fucus vesiculosus*
- *Zostera marina*/*Potamogeton pectinatus*
- Red algae (eg. *Ceramium gobii* and *Polysiphonia fucoides*)
- Reed (*Phragmites australis*)

#### GIS-application

A GIS-application was constructed taking into account the information of occurrence and coverage of the different vegetation communities recorded in the general survey. On the map the definition of the vegetation communities was drawn by hand. In order to obtain the general coverage of a certain area, the representative coverage of the included spots were estimated. The precision in the fixing of boundaries depends on the density of recorded spots. In areas with a high number of spots the precision can be equal to the accuracy of the GPS instrument. In areas with less recorded spots the accuracy decreases. The altitude boundaries were used as a mean of assistance in fixing the boundaries.

#### Diving Transects

The method used is a modified variant of BIN V R112-113 /Naturvårdsverket, 1986/.

#### Environmental records

Besides direct sampling following environmental factors were registered.

- Wind direction
- Wind-force (m/s)
- Wave altitude (m)

### **Location of profile**

A measuring-tape was fastened at the water's edge and drawn out to between 50 to 100 meters depending on how far out vegetation grows. If the visibility allows it transects are recorded with a video camera.

### **Ocular records**

All observations along the profile were made within a 3-5 m wide zone at each side of the measuring-tape, depending on the visibility.

Water depth and distance from water's edge was recorded for:

- The cover degree for the dominating vegetation according to a 7-point scale, (+) for occurrence, 5, 10, 25, 50, 75 and 100%.
- Substrate, cover degree and sort
- Siltation
- Amount and sort of epiphytes
- Recruitment of *Fucus* sp.
- Grazing (*Fucus* sp.)
- Upper and lower border for *Fucus* belt if any. Belt is defined as a cover degree of >25% *Fucus*.
- Maximum depth of occasional *Fucus* plants and if possible maximum depth of red algae occurrence.
- Other, e.g. cover degree for blue mussel (*Mytilus edulis*)

### **Quantitative and qualitative sampling**

#### Vegetation

Quantitative and qualitative samples were collected by means of randomly placed frames in dominating vegetation communities (stratum). The frames used measured 0,2 x 0,2 m (0,04 m<sup>2</sup>), for *Vaucheria*, filamentous and red algae, and 0,5 x 0,5 m (0,25 m<sup>2</sup>) for larger macrophytes. In each stratum 3 samples were collected. One of these three samples, randomly chosen, were analysed by sorting the species separately and dried in 60°C. The remaining samples are kept frozen for future needs. The roots on phanerogams were removed and are not included in the biomass. Stratum with similar dominating vegetation from different transects were treated as replicates. Biomass is given in g dry weight per m<sup>2</sup>. The different stratum extracted from the sampling were:

- Filamentous algae (eg. *Pilayella littoralis* and *Cladophora* sp.)
- *Chara* sp.
- *Potamogeton pectinatus*
- *Potamogeton perfoliatus*
- *Vaucheria* sp.
- *Fucus vesiculosus*
- Undergrowth to *F. vesiculosus* (eg. *Furcellaria lumbricalis* and *Polysiphonia fucoides*)
- *Zostera marina*
- Red algae (eg. *Ceramium gobbii* and *Polysiphonia fucoides*)

#### Associated fauna

From the same stratum as the vegetation samples a sample regarding fauna associated to the vegetation were collected. The diver carefully collected as much vegetation he could grasp into a string bag (mesh 1 x 1 mm). Stratum sampled with the 0,04 m<sup>2</sup> frame were

not treated this way. Instead the associated fauna was sorted at the same time as the vegetation in the vegetation sample. The samples were analysed by sorting each species separately, both vegetation and fauna, and dried in 60°C. Fauna were counted and biomass is given in g dry weight per 100 g dry weight vegetation.

### **Biomass estimation**

By means of the general survey and the quantitative sampling the total biomass for the different vegetation communities were roughly estimated for the area. From the quantitative sampling g dry weight per cover degree was calculated for each vegetation community. In the GIS-project the area of the vegetation community and its cover degree was calculated. By means of these two calculations the total biomass in metric ton dry weight were estimated. No quantitative samples were collected for reed stratum and therefore no biomass estimations have been done for this community.

The mean coverage with standard error and the total area for the different vegetation communities were calculated by means of the surfaces drawn by hand in the GIS-application (see GIS-application in this appendix).



## Records from general survey North and South Simpevarp nuclear power plant, 2002

IDCODE	Depth	Position (RT90 2.5 gon V)				Cover degree (7-point scale)											Comment								
		Y	X	Batrach	Callitrich	Cerato	Chara sp.	Finlr	Chord	Dict.	F. ves.	Monosir.	Myr.	Naj.	Pot.pect.	Pot.pearf.		Reed	Rupp.	Vauch.	Zamm.	Zost.			
PSM0000426	0.7	6366543	1552784						76						50		17.5				5			I övrigt kai sand, grus & stenbotten.	
PSM0000427	3.5	6367720	1553780												1										
PSM0000428	2.5	6367730	1553774												10										5
PSM0000429	1	6367740	1553754												50										25
PSM0000430	2.4	6367578	1552322												50	1									
PSM0000431	2.8	6367725	1552573												1	5									5
PSM0000432	3	6367885	1552765												87.5										
PSM0000433	1.2	6367933	1552862												10										
PSM0000434	1	6367944	1553020												5	5									
PSM0000435	2.7	6367728	1552950												10	5									7.5
PSM0000436	1	6367896	1553604												50	25									
PSM0000437	2.5	6367879	1553678												1										1
PSM0000438	2.1	6367720	1553600												100										
PSM0000439	1.7	6367694	1553594												100										
PSM0000440	1.4	6367667	1553592												5	5									
PSM0000441	1.4	6367631	1553606												10	10									1
PSM0000442	1	6367530	1553591												50										
PSM0000443	1.8	6367282	1553606												17.5										
PSM0000444	2.6	6367283	1553633												87.5										
PSM0000445	1.5	6366979	1553428												50										
PSM0000446	2.1	6366947	1553470												1										
PSM0000447	1.5	6366693	1553234												50										
PSM0000448	1	6366501	1552801												1										
PSM0000449	2	6366681	1552329												50										
PSM0000450	1	6366503	1552790												1										
PSM0000451	2.4	6366501	1552838												75	5									
PSM0000452	2.5	6366498	1552851												5										
PSM0000453	3.4	6366487	1552898												75										
PSM0000454	1	6366552	1552889												100										10
PSM0000455	1.5	6366516	1552895												100										5
PSM0000456	0.8	6366549	1552881												1										1
PSM0000457	3.4	6366500	1552902												1										
PSM0000458	3.7	6366505	1552914												5										
PSM0000459	1	6366416	1552916												100										
PSM0000460	2.8	6366433	1552957												5										
PSM0000461	3.3	6366468	1553052												37.5										
PSM0000462	5.2	6365539	1554931												1										
PSM0000463	2.8	6366496	1554855												1										
PSM0000464	2.3	6366480	1554835												1										
PSM0000465	1.9	6366471	1554819												100										
PSM0000466	5	6366521	1555201												100										
PSM0000467	3.9	6366653	1555283												7.5										
PSM0000468	3	6366657	1555267												1										
PSM0000469	2.6	6369117	1555079												75										
PSM0000470	0.9	6369076	1555069												87.5										
PSM0000471	0.8	6369033	1555058												75										
PSM0000472	1.4	6369086	1554838												1										
PSM0000473	2.8	6369083	1554787												25										50
PSM0000474		6369083	1554795												75										5
PSM0000475	2.4	6369068	1554735												75										1
PSM0000476	2.3	6369033	1554613												10										
PSM0000477	2.5	6369021	1554589												10										

Position (RT90 2,5 pon V)										Cover degree (7-point scale)										Comment		
IDCODE	Depth	Y	X	Batrach	Callitrich	Cerato	Chara sp	FIntr	Chord	Dict	F. ves	Monostr	Myr	Naj	Pot pect	Pot per	Red	Rupp	Vauch		Zamm	Zost
PSM000478	2,6	6369083	1554766								25		1		10							
PSM000479	3,4	6369010	1554527												10							
PSM000480	1,5	6368990	1554500								17,5											
PSM000481		6368984	1554433								25		25		25							Mosaikart. Mkt påväxt.
PSM000482	2,1	6369007	1554385												10							Kalare botten.
PSM000483		6369020	1554285																			
PSM000485		6369015	1554310												1							Mer påväxt.
PSM000486		6369024	1554138												1							I övrigt kal botten. Vid ihopsnöpen slutar väg inna dess Fuc+
PSM000487		6368910	1553912																			Dött på botten med vita fläckar.
PSM000488	3,2	6369174	1554926												75						5	
PSM000489	2,2	6369167	1554923						1						75						25	
PSM000490	3,5	6369132	1554896												75							
PSM000491	3	6369319	1555186								25											
PSM000492	2,1	6369356	1555164					50			75											
PSM000493	2,5	6369380	1555192								50				5							
PSM000494	2,1	6369291	1555189								75				5							
PSM000495	1,9	6369337	1555218								100											Inre mkt påväxt.
PSM000496	2,7	6369306	1555228								100											
PSM000497	3,4	6369270	1555216								50											
PSM000498	5,1	6369254	1555207								5				25						1	Mkt slam.
PSM000499	0,8	6367791	1553764								100				37,5							Fucusballe till 3,9m djup.
PSM000500	1,5	6367921	1554096																			
PSM000501	3,9	6367941	1554108																			
PSM000502	2	6369088	1553923					20	5	5	50											
PSM000503	4,3	6368132	1553897												1						100	
PSM000504	3,5	6368141	1553907	1							17,5				17,5							Gräns mellan Zost & Pot.
PSM000505	2,2	6368139	1553869	5				100	1		75											
PSM000506	3,5	6368153	1553784												87,5						10	
PSM000507	1,7	6368190	1553775								1				1						100	
PSM000508	1,6	6369203	1553778								17,5				5							
PSM000509	1	6369234	1553771												62,5							Mkt slam.
PSM000510	1,4	6368103	1553517					50			62,5				1							
PSM000511	3	6368069	1553505								1											
PSM000512	2	6369021	1553508												1							
PSM000513	1	6368076	1553862					75			17,5				7,5							
PSM000514	2,7	6368087	1553857					25	1		17,5				1						1	
PSM000515	1,8	6368264	1554140					100	1		10				37,5							
PSM000516	2,5	6368270	1554176								17,5				10						37,5	
PSM000517	3,6	6368268	1554221												75						50	
PSM000518	2,7	6368299	1554204												87,5							
PSM000519	0,9	6368391	1554257												5							
PSM000520	2,8	6368282	1554199					87,5	1		50				25						10	
PSM000521	1,3	6368377	1554301																			
PSM000522	1,2	6368417	1554321						1						1							
PSM000523	1,2	6368590	1554436					100			37,5				5							
PSM000524	1,1	6368641	1554453					100			1				5							
PSM000525	1,2	6368642	1554486					100			1				17,5							
PSM000526	1,3	6368717	1554485					100			1				5							
PSM000527	1,5	6368727	1554393					100			5				10						1	
PSM000528	1,4	6368729	1554371																			
PSM000529	0,3	6368712	1554335																			



Position (RT190 2.5 pon V)													Cover degree (7-point scale)												
IDCODE	Depth	Y	X	Batrach	Callitrich	Ceratio	Chara sp	Fimr	Chord	Dict	F-veg	Mossstr	Myr	Naj	Pot peat	Pot perf	Reed	Rupp	Vaugh	Zamm	Zost	Comment			
PSM000582	4	6370169	1551194								1					75									
PSM000583	5,2	6370160	1552201													75									
PSM000584	2,5	6369887	1553223								1				1							Fläckvis (Fuc & Pot) på grunt annars tomt.			
PSM000585	3,1	6369700	1554854								100		5		75							37,5			
PSM000586		6369693	1555164										25						50						
PSM000587	2,2	6369697	1555169										25		25				25		25	Mossrikentat.			
PSM000588	3,4	6369691	1555112										25		5				25		75	Zostera glesar ut.			
PSM000589	4,8	6369685	1555092																		37,5	Zostera glesar ut.			
PSM000590	4,7	6369675	1555055																			Kal botten med Röda 100.			
PSM000591	6,5	6369673	1555046													100					75	Fläckvis Fuc & Pot. Mkt påväxt.			
PSM000592	4,6	6369612	1554959																						
PSM000593	1,4	6369540	1554979					75			50				50										
PSM000594		6369512	1554985								37,5														
PSM000595	1,9	6369500	1554982					75			25				100					5		Mkt påväxt.			
PSM000596	1	6369489	1554985												50										
PSM000597	4	6369564	1554957								25		5								75	Tom botten.			
PSM000598	5,1	6369576	1554965																		62,5				
PSM000599	4,4	6369628	1554903								75		1		100										
PSM000600	1,4	6369650	1554853												100										
PSM000601	1,8	6369654	1554833												100										
PSM000602	1,8	6369659	1554806								25		5		100										
PSM000603		6369703	1554784								25		5		10						5				
PSM000604	1,3	6369896	1554911								50				5							Veg endast på avsatts. Stupat seden ner till 9-10m djup.			
PSM000605	5	6369904	1554804																		62,5	Mkt påväxt.			
PSM000606	2,5	6369684	1554565					75			10				5										
PSM000607		6369687	1554695								75		5												
PSM000608	2,3	6369685	1554682																						
PSM000609	2,5	6369545	1554362					75							62,5						50	Utanför poss. Fuc 75% & Myr 5%.			
PSM000610	1,7	6369544	1554473					75							62,5							Mkt påväxt.			
PSM000611	3,7	6369667	1554502																			Mkt påväxt.			
PSM000612	2,3	6369604	1554402								5				37,5							Tomt!			
PSM000613	2,3	6369559	1554303												37,5							Slammigt.			
PSM000614		6369510	1554263																			Fuc borta.			
PSM000615	1,8	6369517	1554496					100							100							Mkt påväxt.			
PSM000616		6369686	1554504					75							50							Fläckvis med 100% täckning. Mkt påväxt.			
PSM000617	2	6369792	1554468								25				25										
PSM000618	3,3	6369773	1554510												100										
PSM000619		6369799	1554466								25		10		25						25	Mosaik.			
PSM000620	1,5	6369783	1554492										10		75										
PSM000621	5,3	6369767	1554522															50				Kalt. Röda 50%.			
PSM000622	2,4	6369883	1554380																						
PSM000623	3,3	6369926	1554325																						
PSM000624	3,1	6369923	1554316										5		10						5				
PSM000625	5,6	6369931	1554289										5		25							Zostera slutar.			
PSM000626	4,3	6370113	1554536								10														
PSM000627	3,7	6370118	1554542								5				5						25				
PSM000628	2,4	6370129	1554552						1		87,5										25				
PSM000629	3,1	6370121	1554552												1						75	Fucusballe slutar			
PSM000630	3	6370051	1554317								1		1												
PSM000631	3	6370062	1554311					7,5			50		5												
PSM000632		6370065	1554310																						
PSM000633	1,8	6370064	1554287								62,5				25										

Position (RT90 2.5 gon V)										Cover degree (7-point scale)												
IDCODE	Depth	Y	X	Balrach	Callinich	Carato	Chara sp	Flnr	Chord	Dict	F. ves	Monostr	Myr	Naj	Pot pect	Pot perf	Red	Rupp	Vauch	Zamm	Zost	Comment
PSM000634	4.1	6369930	1553705								10		5				10					Kal botten.
PSM000635	2.9	6369930	1553712																			Ingen fast Fluc. För övrigt kal botten.
PSM000636	4.2	6369891	1553755																			Kal botten.
PSM000637	2.8	6369883	1553545								5		5		5							För övrigt kal botten.
PSM000638	2.2	6369882	1553331					62.5			5		1									Slam.
PSM000639	3.7	6369676	1553301																			Kal botten.
PSM000640	2.6	6369731	1553213							7.5												Slam.
PSM000641	2.8	6369721	1553191							10			5		5							Slam.
PSM000642	3	6369691	1553154							1												Annars tomt & ackigt. Slam.
PSM000643	2.8	6369583	1552771																			Bara flnr grnt. Slam.
PSM000644	2.7	6369594	1549771																			Tom slambotten.
PSM000645		6368913	1549474													5						Ingen veg. Slambotten. H2S.
PSM000646	0.5	6369030	1549294																			
PSM000647		6369017	1549404			1	100															Veg sluter.
PSM000648	1	6369989	1549395																			
PSM000649	1.9	6369953	1549418				1					1										
PSM000650	1.6	6368942	1549426																			
PSM000651		6369038	1549477				100															
PSM000652	0.9	6369057	1549481																			
PSM000653	1	6369054	1549480				100								100							HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000654	1.2	6369049	1549475				87.5								1							HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000655		6369035	1549463				100								5							HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000656	1.5	6369028	1549458				100								5							HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000657	1.6	6369002	1549455				25							7.5								HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000658	2.5	6368978	1549445				1															Dålig sikt. HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000659	3.7	6368976	1549601				1															Veg gräns? HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000660	2.5	6369011	1549618				1															Kal botten. HK_ID 221-228 (PSM000652 - 659) transekt från vass & utåt.
PSM000661	2	6369022	1549606				17.5															
PSM000662	1.1	6369030	1549597				100															
PSM000663	0.9	6369056	1549606				100															
PSM000664	0.3	6369068	1549731				50															Chara tunnäs ut inåt för att övergå i tom botten (jmf ID 234, PSM000665).
PSM000665		6369083	1549748																			Kal botten.
PSM000666	1	6369041	1549769			1	100								1							
PSM000667	1.5	6369010	1549773				1	100														
PSM000668	2.5	6368969	1549786				1															
PSM000669	2.5	6368971	1549783				5															5
PSM000670	3.5	6368958	1549780																			Kal botten innanför denna pos (mellan 239 & 237, 238 dvs PSM000670 & PSM000668-669).
PSM000671	2.3	6368744	1549790				1															Vd vasskant.
PSM000672	2.9	6368749	1549796																			
PSM000673	1.7	6368833	1550295				1															Slam & övrigt kal botten.
PSM000674	2.6	6368838	1550280																			Kal botten.
PSM000675	4.8	6368836	1550260																			Kal botten.
PSM000676	5	6368967	1550043																			Kal botten.
PSM000677	2.8	6368983	1550056																			Slam. På sten slam & flnr.
PSM000678	1.5	6368987	1550064																			
PSM000679	1.7	6368992	1550044																			
PSM000680	1.4	6369025	1550021																			
PSM000681	2.2	6369057	1549968				100															Kal hall.
PSM000682	1.6	6369077	1549959				100															Chara böljar.
PSM000683	1	6369102	1549957				100															
PSM000684	3.5	6369032	1549920																			
PSM000685	2.3	6368998	1549907																			Kal hall.

Position (RT190 2.5 pnt V)										Cover degree (7-point scale)													
IDCODE	Depth	Y	X	Batrach	Callitrich	Ceratio	Chara sp	Fimr	Chord	Dict	F-ves	Menoslr	Myr	Naj	Pot peat	Pot perf	Reed	Rupp	Vauch	Zamm	Zost	Comment	
PSM000686	1.5	636861	1549586											87.5		5						Dalig sikt.	
PSM000687	0.9	6368275	1506633										50										
PSM000688	1.8	6367434	1552226									50											
PSM000689	1.9	6367449	1552246									50											
PSM000690	1.6	6367453	1552141									1											Stenig botten.
PSM000691	3.7	6367436	1552081									1							100				
PSM000692	2.6	6367425	1551946									1											
PSM000693	2.9	6367442	1551934																				
PSM000694	2.4	6367453	1551928																				Innanför ingenting i vasskanten.
PSM000695	2.7	6367256	1551950																				Ingen veg.
PSM000696	1.9	6367261	1551969																				Endast vassrester. Dött.
PSM000697	2.4	6367129	1551880									1											Slammigt.
PSM000698	2.1	6367090	1551857				5					1		10					100				Kal sten & blockbotten.
PSM000699	1.9	6366981	1551807																				
PSM000700	1.4	6366950	1551820			62.5																	
PSM000701	2	6366898	1551832			100								1									Slam.
PSM000702	1.7	6366854	1551842			1																	Ingen veg i vasskanten
PSM000703	1.2	6366854	1551872											87.5									Slammigt.
PSM000704	2.8	6366788	1551903											17.5									
PSM000705	1.7	6366855	1551952											25									
PSM000706	1.7	6366891	1551965											100									
PSM000707	1.1	6366921	1552001				1							10									Hela inne viken täck av Najas (mer fläckvis längst in). Slammigt.
PSM000708	1.4	6366891	1551939				100																
PSM000709	1.7	6366910	1551916				75																
PSM000710	2.2	6366932	1551874											75	1								
PSM000711	1	6366959	1551874																				Kal håll
PSM000712	1.7	6367561	1551906				1																
PSM000713	2.4	6367570	1551904				5							1									
PSM000714	2.3	6367594	1551906				1							75									
PSM000715	3.1	6367585	1551944				75																
PSM000716	3.4	6367572	1551860				1																Hårdbotten.
PSM000717	3.7	6367555	1551815				1																
PSM000718	4.5	6367546	1551805																				
PSM000719	3	6367619	1551863				1																
PSM000720	3.6	6367661	1551835				7.5																
PSM000721	4.1	6367533	1551794																				
PSM000722	2	6367688	1551826				100					1											Kal håll
PSM000723	3	6367690	1551766																				
PSM000724	3.5	6367649	1551721				1																
PSM000725	2.8	6367708	1551699				5							5									
PSM000726	2.7	6367748	1551730				5							1									
PSM000727	2.5	6367761	1551764				5																
PSM000728	1.7	6367781	1551788				1							1									I sundet.
PSM000730	1	6367825	1551863				1							75									Mkt slam.
PSM000731	0.8	6367864	1551828											50									Mkt slam.
PSM000732	1.1	6367932	1551795																				I övrigt kal slambotten.
PSM000733	0.7	6367988	1551806																				Slam på block.
PSM000734	0.5	6368111	1551852											7.5									Åklig botten med HPS-fläckar.
PSM000735	0.7	6368017	1551781																				Sund. Död botten med vita fläckar som sträcker sig inåt.
PSM000736	0.5	6368032	1551763											10									Döda fläckar.
PSM000737	0.5	6367908	1551764											1									Dött. Enstaka döende najas. H2S.

Position (RT90 2.5 gpm V)										Cover degree (7-point scale)													
IDCODE	Depth	Y	X	Balrach	Callinich	Cerato	Chara sp.	Flnr	Chord	Dict.	F. ves	Monostr.	Myr	Naj	Pot.pect.	Pot.perf	Red	Rupp	Vauch	Zamm	Zost	Comment	
PSM000738	0.5	6367855	1551782																				
PSM000739	3.5	6367781	1551720				100																Tomt. Mjukbotten.
PSM000740	0.9	6367825	1551694												25								
PSM000741	1	6367643	1551687												25								Stenskravel.
PSM000742	0.7	6367851	1551691				5								7.5								
PSM000743	2	6367598	1551704				1																
PSM000744	1	6367744	1551640				17.5																
PSM000745	0.9	6367750	1551612				5																
PSM000746	0.8	6367786	1551593																				Som HIK_ID 304 (PSM000736).
PSM000747	0.9	6367720	1551639																				sten.
PSM000748	2.5	6367693	1551672				1								5								Så gott som kal botten.
PSM000749	2.9	6367637	1551664				1																
PSM000750	3.6	6367595	1551696				1																
PSM000751	3.2	6367527	1551651																				
PSM000752	2.6	6367468	1551618																				
PSM000753	2.3	6367443	1551570				100								1								
PSM000754	2.2	6367429	1551546				10																
PSM000755	2.6	6367415	1551539				1								1								
PSM000756	3.3	6367319	1551479				1																Dött växtmtrl.
PSM000757	3.7	6367282	1551476				1																
PSM000758	2.7	6367261	1551517				5								5								
PSM000759	4.3	6367177	1551459												1								
PSM000760	2.3	6367215	1551575												17.5								
PSM000761	2.9	6367001	1551623												25								
PSM000762	3.4	6367001	1551623												17.5								
PSM000763	3	6366854	1551409												5								
PSM000764	1.7	6366783	1551386																				
PSM000765	2.9	6366799	1551304					100															
PSM000766	4.6	6366750	1551239																				
PSM000767	2.9	6366766	1551151												1								
PSM000768	3.2	6366749	1551138																				
PSM000769	2.9	6366667	1551017																				
PSM000770	2	6366619	1550975																				
PSM000771	1.7	6366598	1550971												7.5								
PSM000772	0.7	6366583	1550976																				
PSM000773	1.9	6366594	1550941																				
PSM000774	2.3	6366681	1550964																				
PSM000775	3.6	6366723	1551035																				
PSM000776	2.5	6366775	1551009																				
PSM000777	2.7	6366817	1550968																				
PSM000778		6366844	1550896																				
PSM000779	2	6366805	1550905																				
PSM000780	2.5	6366881	1550874				50								5								
PSM000781	2.8	6366991	1550968																				
PSM000782	2.2	6366879	1550827																				
PSM000783	2.7	6366854	1550770																				
PSM000784	1.8	6366877	1550691																				
PSM000785	0.8	6366880	1550652																				
PSM000786		6366847	1550655				100																
PSM000787		6366838	1550641				100																
PSM000788	0.8	6366833	1550633																				
PSM000789	2.4	6366797	1550659				50																

Position (RT190 2.5 pon V)										Cover degree (7-point scale)													
IDCODE	Depth	Y	X	Batrach	Callitrich	Ceratio	Chara sp	Finlr	Chord	Diet	F-ves	Menoslr	Myr	Naj	Pot peat	Pot perf	Reed	Rupp	Vaugh	Zamm	Zost	Comment	
PSM000790	2.4	6366784	1550686				100	7.5															
PSM000791	2.2	6366790	1550741				1						1							75			
PSM000792	2.3	6366790	1550760				10							1						75			
PSM000793	2.2	6366639	1550686				75							1									
PSM000794	0.9	6366626	1550669				5							17.5		1							
PSM000795	3.4	6366610	1550679										17.5										Tomt.
PSM000796	3	6366621	1550703																				
PSM000797	3	6366628	1550773																				
PSM000798	3.2	6366614	1550773										1										
PSM000799	1.9	6366595	1550776																				
PSM000800	3.2	6366488	1550651																				
PSM000801	1.7	6366448	1550661										50										
PSM000802	1	6366438	1550683				17.5																
PSM000803		6366438	1550717				100																
PSM000804	0.4	6366456	1550759										5										Fläckvis najas. annars dött. Slambotten.
PSM000805	0.3	6366350	1550740																				Tomt. Slambotten.
PSM000806	0.5	6366359	1550687										50										
PSM000807	0.5	6366357	1550664				100																
PSM000808	2	6366362	1550629				100																
PSM000809	2.5	6366359	1550580				1																
PSM000810	1.7	6366297	1550600											17.5									
PSM000811	1.5	6366278	1550626				87.5																Tomt. Hårdbotten.
PSM000812	1.2	6366295	1550623				50																
PSM000813		6366317	1550617				100																
PSM000814	2	6366275	1550525				1						5										
PSM000815	1.7	6366249	1550470										100										
PSM000816		6366201	1550477											1									
PSM000817	1.2	6366254	1550439				100																
PSM000818	1.1	6366259	1550413											100									
PSM000819	1	6366248	1550405				50							1									
PSM000820	1.6	6366240	1550400				50							1									
PSM000821	1.7	6366220	1550402											1									
PSM000822	1.5	6366243	1550436				25						25										
PSM000823	2.3	6366390	1550514											10									
PSM000824	1.9	6366497	1550501											25		10							
PSM000825	0.6	6366546	1550488				100																
PSM000826	1.9	6366541	1550527				5																
PSM000827	1.7	6366561	1550534				100																Kal stenstrand innanför.
PSM000828	2.1	6366543	1550579																				
PSM000829	2.2	6366566	1550632																				
PSM000830	2	6366574	1550633										1										Vid vasskant.
PSM000831	2.4	6366593	1550672				1							5									
PSM000832	2.9	6366637	1550746											5									
PSM000833	2.8	6366852	1550777																				
PSM000834		6366867	1550760				100																
PSM000835	3.2	6366874	1551041				1																
PSM000836		6366997	1551266				1																
PSM000837	4.3	6366988	1551285																				
PSM000838	3.5	6367009	1551157										1										
PSM000839	3.5	6367006	1551137																				
PSM000840	3	6366994	1551099				1							1		1							Slammigt.
PSM000841	1.8	6366966	1551052				87.5	10					5										



Position (RT90 2.5 gpm V)										Cover degree (7-point scale)										Comment		
IDCODE	Depth	Y	X	Balrach	Callitrich	Cerato	Chara sp.	Flnr	Chord	Dict.	F. ves.	Monostr.	Myr.	Naj.	Pot. pect.	Pot. perfr.	Red.	Rupp.	Vauch.		Zamm.	Zost.
PSM000842	1.8	6368957	1551050				87.5						1		7.5					75		Stenbotten.
PSM000843	1.6	6368943	1551039																			Döda växtdelar. Stenbotten.
PSM000844	2	6368904	1551021										1								75	
PSM000845	2.3	6367030	1551059										1	5	1						75	
PSM000846	1.5	6367015	1551044										1	25							75	
PSM000847	1.5	6368965	1550968				17.5						1	25								Fläckvis veg
PSM000848	1.5	6368947	1550966				1						1	50								Fläckvis veg
PSM000849	1.9	6367012	1550962				100															
PSM000850	1.5	6367017	1550948				100															
PSM000851	1.5	6367064	1550943				100															
PSM000852	1.2	6367086	1550908				75															Mkt slam.
PSM000853	1	6367109	1550872				5						5									Dött växtmtrl
PSM000854	0.5	6367120	1550865				25						50									
PSM000855	0.4	6367137	1550862										1	75								
PSM000856	0.6	6367137	1550896											1								
PSM000857	0.7	6367186	1550917				10						1	1								Slam & döda växtdelar.
PSM000858	1.1	6367218	1550921				100															
PSM000859	0.5	6367234	1550938																			Svart H2S-botten.
PSM000860	0.6	6367262	1550910																			Kal stenbotten.
PSM000861	1	6367255	1550957				17.5															Kal håll.
PSM000862	1.2	6367269	1551000				62.5															
PSM000863	2	6367260	1551033										25				5	75				Svart botten.
PSM000864	2	6367294	1551078										25	50	1		1					
PSM000865	2	6367334	1551118										25	50	1		1					Veg som HK_ID 430 (PSM000864)
PSM000866	1.5	6367369	1551173																			
PSM000867	2.2	6367333	1551248				1						1									
PSM000868	1.8	6367354	1551289				10							5	1							100
PSM000869	1	6367354	1551304																			100
PSM000870	1.4	6367334	1551291				75								7.5							Sten.
PSM000871	2	6367315	1551303				5															Stenbotten.
PSM000872	2	6367314	1551342										5									Stenbotten.
PSM000873	3.5	6367299	1551404																			Lite finträdigt annars tomt.
PSM000874	1.9	6367377	1551415				5															
PSM000875	1	6367383	1551421				10															
PSM000876	1.5	6367418	1551394				1							1								
PSM000877	1.5	6367426	1551392																			
PSM000878		6367446	1551382																			
PSM000879	1.1	6367460	1551396				1															
PSM000880	1.2	6367468	1551382																			
PSM000881	0.9	6367470	1551355				10															
PSM000882		6367471	1551333																			
PSM000883	0.5	6367471	1551290				1															Död H2S-botten utan veg.
PSM000884	0.5	6367425	1551246				1															Annars bart sed.
PSM000885	1	6367537	1551231				10															Annars bart sed ut mot änden.
PSM000886	1.3	6367580	1551233				17.5															
PSM000887	1.1	6367586	1551244																			
PSM000888	1.4	6367621	1551329				100															
PSM000889	1.4	6367620	1551346				50															
PSM000890	1.4	6367617	1551388				75															Mer kal botten.
PSM000891	0.9	6367605	1551406																			Mellan lunchklippa & Naj=0. Längst in helt tomt.
PSM000892	1.7	6367639	1551376																			Annars bart botten m baktfläckar.
PSM000893	0.4	6367675	1551293																			

Position (RT190 2.5 pon V)		Cover degree (7-point scale)													Comment								
IDCODE	Depth	Y	X	Batrach	Callitrich	Carabo	Chara sp	Fintr	Chord	Dict	F-ves	Menoslr	Myr	Naj		Pot peat	Pot perf	Reed	Rupp	Vaugh	Zamm	Zost	
PSM000894	1	6367622	1551194				10																
PSM000895	1,2	6367585	1551193				1							100									
PSM000896	1,5	6367560	1551173				10								17,5								Bar botten, slam på sten
PSM000897	1	6367580	1551106				25																
PSM000898	0,7	6367529	1551095				25																Gräns mot tom botten.
PSM000899	0,5	6367513	1551086				25																
PSM000900		6367507	1551122				25								1								Tomt.
PSM000901	1	6367529	1551049				100																
PSM000902	1,4	6367536	1551044				100																
PSM000903	0,6	6367572	1551087				100																
PSM000904	0,5	6367604	1551091				100							5									
PSM000905	1,9	6367539	1551001				100								1								
PSM000906	2,5	6367588	1550945				100																
PSM000907	1,8	6367660	1550929				100																
PSM000908	1,7	6367699	1550946				100																
PSM000909	1,5	6367761	1550951				100																
PSM000910	1,8	6367702	1550889				100																
PSM000911	2,1	6367623	1550866				100																
PSM000912	2,2	6367562	1550858				100																
PSM000913	2,2	6367483	1550843				100								1								
PSM000914	1,5	6367458	1550785				75																
PSM000915	2,1	6367412	1550719				100																
PSM000916	0,7	6367376	1550669				75																Chara glasnar ut inåt hellen (se HIK_ID 482B_PSM000917)
PSM000917		6367370	1550651				5								5								Innanför tomt
PSM000918	1,6	6367507	1550671				100																
PSM000919	2	6367573	1550580				100							1									
PSM000920	1,2	6367388	1550475				75							25									
PSM000921	0,5	6367340	1550488				25							25									
PSM000922	0,4	6367304	1550508				100							5									Veg tunnast ut. Inåt vita bakfläckar.
PSM000923	2	6367588	1550420				100																
PSM000924		6367632	1550379				100																
PSM000925	1,2	6367634	1550381				100																
PSM000926	2,1	6367749	1550470				100																
PSM000927		6367846	1550585				100																
PSM000928	1,3	6368044	1550449				100																
PSM000929	1,3	6367888	1550678				100																
PSM000930		6367864	1550703				25								1								
PSM000931	1	6367880	1550754				50																Najast Pot / Chara grön fläckvis Summa 75%
PSM000932	1	6367904	1550777				1																
PSM000933	0,9	6368121	1550424				25																
PSM000934	0,4	6368164	1550449				5																
PSM000935	2,1	6367999	1550356				75																
PSM000936	1,5	6367906	1550314				100																
PSM000937	1,2	6367908	1550294				50																
PSM000938	1	6368073	1550305				25																
PSM000939	0,5	6368095	1550289				5																
PSM000940	0,4	6368097	1550242				100																
PSM000941	2	6368171	1550348				100																
PSM000942		6368217	1550407				100								1								
PSM000943		6368223	1550421				100																
PSM000944	1,1	6368244	1550440				75																
PSM000945	1,1	6368251	1550468				17,5																Chara fläckvis längst in i viken.



Position (RT190 2.5 pgn V)													Cover degree (7-point scale)												
IDCODE	Depth	Y	X	Batrach	Callitrich	Ceratio	Chara sp	Flntr	Chord	Diet	F. vess	Menoslr	Myr	Naj	Pot peat	Pot perf	Reed	Rupp	Vaugh	Zamm	Zost	Comment			
PSM000998	1,3	6369642	1552242								62,5														
PSM000999	3,5	6369548	1552192												7,5								Härbotten.		
PSM001000	2,5	6369539	1552165										1												
PSM001001	1,7	6369552	1552160								62,5		1		25										
PSM001002	1,6	6369524	1552109				5																		
PSM001003		6369511	1552147										1												
PSM001004	2,5	6369455	1552130					17,5								5									
PSM001005		6369380	1552098													5									
PSM001006	1,4	6369351	1552686										75										Fläckvis veg.		
PSM001007	1,3	6369330	1552647								17,5		10		1								Tomt. Härbotten.		
PSM001008	2	6369308	1552596										1										Härbotten.		
PSM001009	2,5	6369199	1552431																				Kaihall.		
PSM001010	3,1	6369045	1552337																				Häll.		
PSM001011	3	6369012	1552317																				Slam.		
PSM001012	1,7	6368992	1552346								10												Kaihall m flntr grönt.		
PSM001013		6368965	1552356								17,5		1		10								Slam.		
PSM001014	0,7	6368952	1552380								7,5												Kaihall m flntr grönt.		
PSM001015	2,1	6368910	1552443																				Slam.		
PSM001016	1,7	6368939	1552502										37,5		1										
PSM001017	1,2	6368775	1552500				100																		
PSM001018	1	6368862	1552640				50							1											
PSM001019	1	6368846	1552620				75																		
PSM001020	1,2	6368818	1552595				75																		
PSM001021	2	6368807	1552576																						
PSM001022	1,3	6368812	1552559				100																		
PSM001023	1	6368805	1552526				50							1											
PSM001024	1,4	6368783	1552485				100							1											
PSM001025		6368774	1552452			1									75								Gräns för Chara, baltica ytterst		
PSM001026	2,3	6368777	1552466																						
PSM001027		6368681	1552616				100																		
PSM001028	0,5	6368680	1552715										5		5										
PSM001029	1,5	6368664	1552711				100																		
PSM001030	1,5	6368635	1552725				5																		
PSM001031	0,4	6369028	1553436											1									Chara upphör.		
PSM001032	1	6368992	1553209																				Död slambotten. Fläckar av H2S-bakt.		
PSM001033		6368947	1553107																				Vid "hämnen". Överslammad veg.		
PSM001034		6368634	1552826																				Här börjar död botten igen (jmf HK_ID 596 & 597A, PSM001031-1032).		
PSM001035		6368320	1552856																				Veg börjar igen (se HK_ID 597B, PSM001033).		
PSM001036	1	6368592	1552769				50																Slam.		
PSM001037		6368459	1552787																						
PSM001038	1	6368155	1552788																				Kaihall.		
PSM001039	1,2	6368411	1552819				25																		
PSM001040	1,3	6368477	1552747				75																		
PSM001041	0,3	6368460	1552732											1									Botten död. H2S-bakt.		
PSM001042	1,1	6368621	1552722				75																		
PSM001043	1,8	6368618	1552646				50																		
PSM001044	2	6368606	1552588				100								1										
PSM001045	2,5	6368612	1552452				100																		
PSM001046	1,9	6368577	1552292				100																		
PSM001047	2	6368529	1552162										1		1								Härbotten.		
PSM001048	1,7	6368471	1552102				100																		
PSM001049	2,1	6368429	1552018				100																		

IDCODE		Depth		Position (RT90 2.5 gon V)		Cover degree (7-point scale)										Comment								
		Y	X	Balrach	Callitrich	Cerato	Chara sp	Flnr	Chord	Dict	F. ves	Monosir	Myr	Naj	Pot pect	Pot perf	Red	Rupp	Vauch	Zamm	Zost			
PSM001050	1,9	6368384	1551916				100																	
PSM001051	1,5	6368330	1551876				50																	
PSM001052	0,5	6368318	1551865																					
PSM001053	1	6368282	1551873				37,5																	
PSM001054		6368254	1551885				100								1									
PSM001055		6368229	1551924				100																	
PSM001056	1,2	6368219	1551968				10																	
PSM001057	1,1	6368157	1551973				100								1									
PSM001058	1	6368136	1551943				100						10											
PSM001059	1,6	6368116	1551980				100																	
PSM001060		6368085	1552037				100																	
PSM001061		6368056	1552046				10																	
PSM001062		6368067	1552040				50						50											
PSM001063	0,6	6368131	1552062				5						5		1									
PSM001064	1,9	6368146	1552122				100								1									
PSM001065	1,5	6368096	1552169																					
PSM001066	1,1	6368149	1552188																					
PSM001067	1,9	6368189	1552141				100								1									
PSM001068	2,2	6368261	1552110				100																	
PSM001069		6368329	1552096				100																	
PSM001070		6368487	1552020										17,5											
PSM001071	1,3	6368361	1552120				100																	
PSM001072	1	6368483	1552009				100								1									
PSM001073	1,7	6368542	1551978				100																	
PSM001074	1,7	6368599	1551986				100																	
PSM001075	3,5	6368626	1551919				1																	
PSM001076	2,5	6368576	1551760																					
PSM001077	2	6368493	1551626				75									1								
PSM001078	2	6368487	1551617										1											
PSM001079	2,1	6368483	1551637										1											
PSM001080	2,2	6368519	1551641																					
PSM001081	3	6368654	1551626				1																	
PSM001082	2	6368657	1551614				1																	
PSM001083	2,1	6368599	1551592																					
PSM001084	2,3	6368552	1551498																					
PSM001085	2	6368499	1551437																					
PSM001086	3	6368513	1551343																					
PSM001087	6	6368480	1551219																					
PSM001088	2,5	6368597	1551225																					
PSM001089	2,5	6368589	1551291																					
PSM001090	3,5	6368801	1551712																					
PSM001091	2,1	6368734	1551686																					
PSM001092	2,1	6368729	1551810																					
PSM001093	2,9	6368647	1551931				1																	
PSM001094	0,8	6368616	1552042																					
PSM001095	0,5	6368638	1552046																					
PSM001096	1	6368646	1552061				5						7,5											
PSM001097	1,2	6368663	1552077				50																	
PSM001098		6368666	1552095																					
PSM001099	1	6368725	1552123				7,5																	
PSM001100	0,5	6368753	1552117				50																	
PSM001101	0,3	6368773	1552085				1																	

Position (RT190 2.5 gon V)		Cover degree (7-point scale)											Comment										
IDCODE	Depth	Y	X	Batrach	Callitrich	Carabid	Chara sp	Fintr	Chord	Dicel	F-ves	Menosir	Myr	Naj	Pot pecl	Pot perf	Reed	Rupp	Vauch	Zamm	Zost	Comment	
PSM001102	0,5	636778	1552154				50																lomenbosa härfran & västerut.
PSM001103	0,7	6368773	1552198				100																
PSM001104	0,3	6368805	1552265					100					1										
PSM001105	1,2	6368816	1552270				100								1								Balplatsen. Grus.
PSM001106	1,5	6366243	1552506					100															
PSM001107	7	6366346	1552274				100																Kala stenar utan påväxt.
PSM001108		6365362	1552164																				
PSM001109	3,8	6366383	1552042					100															
PSM001110	2,6	6366618	1551785					100															
PSM001111	2,1	6366405	1551593					100															
PSM001112		6366663	1551783				100																
PSM001113	2,2	6361046	1550393					75															Mkt slam.
PSM001114	2,8	6361035	1550380																				Slambotten, ingen Fuc.
PSM001115	2,8	6361087	1550304																				
PSM001116	3,1	6361069	1550288																				
PSM001117	2,8	6361010	1550342																			10	Veg fläckvis inbördes.
PSM001118		6361064	1550270					75															Mkt slam.
PSM001119		6361097	1550281																				Mkt påväxt.
PSM001120		6361085	1550131																				Slammig botten.
PSM001121	1,6	6361110	1549976					75															Slammig botten.
PSM001123	1,8	6361078	1550035					75															Slammig botten.
PSM001124	2,3	6361072	1550053					75															Slammig botten.
PSM001125	1,5	6361199	1549962					100															Mkt påväxt.
PSM001126	1,3	6361218	1549907					100															Slammig botten.
PSM001127	1	6361246	1549896					100															Slammig botten.
PSM001128	1	6361294	1549983					100															Slammig botten.
PSM001129	0,5	6361272	1549990					1															Slammig botten.
PSM001130		6361311	1549974																				Slammig botten.
PSM001131		6361308	1549912					100															Slammig botten.
PSM001132	1,5	6361262	1549906					100															Slammig botten.
PSM001133	0,5	6361216	1549737																				Slammig botten.
PSM001134	0,9	6361376	1549837					100															Slammig botten.
PSM001135	1,5	6361423	1549760					100															Slammig botten.
PSM001136	2,1	6361437	1549748					100															Slammig botten.
PSM001137	1,2	6361393	1549643																				Slammig botten.
PSM001138	2	6361460	1549597					100															Slammig botten.
PSM001139	2	6361507	1549659																				Slammig botten.
PSM001140	2,1	6361525	1549696					100															Slammig botten.
PSM001141	2,2	6361592	1549737					100															Slammig botten.
PSM001142		6361619	1549711																				Slammig botten.
PSM001143	1,7	6361583	1549698																				Slammig botten.
PSM001144	2,1	6361576	1549724					75															Slammig botten.
PSM001145		6361610	1549764					5															Slammig botten.
PSM001146	2	6361637	1549813					100															Slammig botten.
PSM001147		6361627	1549866					62,5															Slammig botten.
PSM001148	1,7	6361606	1549920																				Slammig botten.
PSM001149	2	6361639	1549953																				Slammig botten.
PSM001150	1,5	6361720	1550114					100															Slammig botten.
PSM001151	1,5	6361779	1550189					100															Slammig botten.
PSM001152	1,8	6361860	1550248					87,5															Slammig botten.
PSM001153	3,1	6361929	1550196																				Slammig botten.
PSM001154	2	6361954	1550125																				Slammig botten.

IDCODE	Depth	Position (RT90 2.5 gon V)		Cover degree (7-point scale)														Comment							
		Y	X	Balrach	Callitrich	Cerato	Chara sp	Finlr	Chord	Dict	F. ves	Monoslr	Myr	Naj	Pot pect	Pot perf	Red		Rupp	Vauch	Zamm	Zost			
PSM001155	1.8	6361955	1550070					100																	Mkt slam.
PSM001156	2	6361902	1550014					100											37.5						Vita fläckar. Svavelbotten.
PSM001157	2.1	6361868	1549991																						
PSM001158	1.5	6361841	1549974				100																		
PSM001159	1.9	6361810	1549990				75													1					
PSM001160	0.7	6361796	1549990					100			17.5														
PSM001161	1.8	6361789	1549957																						
PSM001162	1.2	6361783	1549921				100																		
PSM001163	1.2	6361782	1549853				100																		
PSM001164	2.3	6361845	1549844				50	50																	
PSM001165		6361869	1549831				50	50																	
PSM001166	1.6	6361889	1549821																						
PSM001167	1	6361941	1549803				1																		
PSM001168		6361877	1549765																						
PSM001169	2.5	6361885	1549749				50																		
PSM001170	2.3	6361893	1549710				87.5	75																	
PSM001171	2	6361931	1549651				50	75																	
PSM001172	1.6	6361908	1549617				25	50												50					
PSM001173	2	6361853	1549594																						
PSM001174	1.5	6361827	1549555				1																		
PSM001175	1	6361822	1549457					75					17.5												
PSM001176	2	6361779	1549514				75	75																	
PSM001177	1	6361757	1549561				62.5	100																	
PSM001178	0.6	6361747	1549696																						
PSM001179	1.3	6361746	1549610				17.5	100																	
PSM001180		6361707	1549639				1	100																	
PSM001181	1.4	6361670	1549646				100																		
PSM001182	0.5	6361653	1549620					50																	
PSM001183	1.7	6361642	1549655																						
PSM001184	0.9	6361656	1549688				75																		
PSM001185	0.7	6361676	1549731				100	5																	
PSM001186	0.8	6361727	1549748				1																		
PSM001187		6361749	1549799				5																		
PSM001188	1.4	6361771	1549819				25																		
PSM001189	1.6	6361796	1549809				100																		
PSM001190	1	6361820	1549766																						
PSM001191	0.5	6361943	1549331																						
PSM001192	1.6	6361972	1549353				25	100																	
PSM001193	1.2	6362010	1549335																						
PSM001194	1.3	6362041	1549282				1																		
PSM001195	0.3	6362059	1549274					1																	
PSM001196	0.4	6362086	1549332																						
PSM001197	1.4	6362093	1549382				1																		
PSM001198	0.5	6362053	1549701																						
PSM001199	1.6	6362037	1549467																						
PSM001200	1.5	6362024	1549500				75	75																	
PSM001201	1.8	6362050	1549569																						
PSM001202		6362046	1549554				1	100																	
PSM001203	1	6362008	1549556				75																		
PSM001204	0.7	6361980	1549545				100																		
PSM001205	2.3	6361943	1549534				7.5	75																	
PSM001206	1.1	6361945	1549485				100																		

Position (RT190 2.5 pon V)													Cover degree (7-point scale)												
IDCODE	Depth	Y	X	Batrach	Callitrich	Carato	Chana.sp	Fintr	Chord	Diet	F.ves	Menosir	Myr	Naj	Pot.pest	Pot.perf	Reed	Rupp	Vauch	Zamm	Zost	Comment			
PSM001207	1.9	6361903	1549486				37.5								17.5								Slam.		
PSM001208	0.7	6361959	1549475				7.5																		
PSM001209	1	6362018	1549544				75																		
PSM001210	0.5	6362045	1549672				25						1	17.5											
PSM001211	0.5	6362064	1549659				87.5	100						50										Fintr läcker allt.	
PSM001212	1.2	6362070	1549629				87.5	100							1										
PSM001213	1.2	6362102	1549611				100	75																	
PSM001214	0.5	6362142	1549593				62.5	75																	
PSM001215	0.5	6362144	1549565				100																		
PSM001216	0.5	6362160	1549520				1	75						50											
PSM001217	0.5	6362155	1549507				50							37.5											
PSM001218	0.4	6362174	1549473				1							10											
PSM001219	0.4	6362199	1549448				1							7.5	5										
PSM001220	0.8	6362247	1549476				50							25											
PSM001221	0.7	6362352	1549481				25							17.5											
PSM001222	0.5	6362372	1549487																						
PSM001223	0.4	6362402	1549500											1	10										
PSM001224	0.3	6362275	1549503												75										
PSM001225	0.6	6362253	1549510											5	5										
PSM001226	1.6	6362285	1549565												25										
PSM001227	1.5	6362221	1549615				50	75							1										
PSM001228	1	6362188	1549678				62.5																		
PSM001229	0.7	6362176	1549681				100																		
PSM001230	1.7	6362188	1549704												5										
PSM001231		6362191	1549713				5	75							17.5										
PSM001232	2	6362042	1549828					10																	
PSM001233	2.3	6362058	1549810				1								1										
PSM001234		6362106	1549773												1	1									
PSM001235	1.5	6362124	1549760				5								1										
PSM001236	1.5	6362152	1549726				1																		
PSM001237	1.8	6362187	1549140					100							50										
PSM001238	2.3	6362206	1549859				100	100																	
PSM001239	1.2	6362191	1549939					100							62.5										
PSM001240	0.9	6362225	1549997															1							
PSM001241		6362230	1550045				17.5	75						7.5											
PSM001242		6362204	1550107																						
PSM001243	0.5	6362201	1550120								1														
PSM001244	1.5	6362198	1550135				100				25														
PSM001245	-1.8	6362224	1550185					75			25				1										
PSM001246	3.6	6362228	1550184				75						5												
PSM001247	4	6362248	1550156																						
PSM001248	2	6362301	1550105				1	100	5					1											
PSM001249	2.1	6362343	1550080					87.5						62.5	25										
PSM001250	1.8	6362397	1550041				25	75	5					17.5	50										
PSM001251	1.5	6362492	1549930					75						62.5											
PSM001252	1	6362516	1549888				50	100							25										
PSM001253	1	6362547	1549881					75						7.5	1										
PSM001254	1	6362498	1549900				100																		
PSM001255	1	6362402	1549888				75	75							1	25									
PSM001256	1	6362345	1549857				50	100							50	1									
PSM001257	0.5	6362417	1549845				1							75											
PSM001258		6362485	1549799				25	100						50	25										



Position (RT90 2,5 gpm V)										Cover degree (7-point scale)										Comment		
IDCODE	Depth	Y	X	Balrach	Callitrich	Cerato	Chara sp	Flotr	Chord	Dict	F. ves	Monostr	Myr	Nal	Pot pect	Pot peir	Red	Rupp	Vauch		Zamm	Zost
PSM001289		6362492	1549788					75						25								
PSM001290	1	6362435	1549949				25	10						75								
PSM001281	2	6362562	1549999					50					1					7.5				
PSM001282		6362549	1550023					50							1							
PSM001283	2	6362542	1550038								37.5											
PSM001264		6362516	1550061					50			75											
PSM001265	1	6362487	1550093					100			75			100								Veg typ sträcker sig från 822 till 824 - grunden
PSM001286	1	6362433	1550143					75			75			100								
PSM001287		6362422	1550161					100						17.5								
PSM001288	2.1	6362334	1550200																			
PSM001289	3.5	6362284	1550248																			
PSM001270	2.1	6362663	1549857					75				5										
PSM001271		6362708	1549845					100					7.5									
PSM001272	0.4	6362749	1549862					5														
PSM001273	2.6	6362805	1549823					50														
PSM001274	1.9	6362846	1549770					75							7.5							
PSM001275	0.7	6362779	1549585					100														
PSM001276	0.2	6362771	1549520					5														
PSM001277	0.4	6362654	1549536									37.5			5							
PSM001278	1.5	6362704	1549585										1									
PSM001279	1.7	6362888	1549811					100				5		17.5								
PSM001280	1.7	6362928	1549916					100														
PSM001281	0.5	6362947	1549889											5	50							
PSM001282	0.5	6362980	1549869											50	1							
PSM001283	1.2	6363031	1549883					100					7.5	5								
PSM001284	1.6	6363058	1549909					100														
PSM001285	2.1	6364904	1550307												50							
PSM001286		6364924	1550258													1						
PSM001287	3.9	6364840	1550323					5								87.5						
PSM001288	2	6364807	1550400																			
PSM001289	0.7	6364752	1550417					7.5									5					
PSM001290	0.7	6364725	1550420					25														5
PSM001291	1.6	6364757	1550311																			
PSM001292	1.8	6364721	1550183					1						25								
PSM001293	0.8	6364775	1550008					100														
PSM001294	1.2	6364686	1549913																			
PSM001295	1.5	6364649	1550078					100														
PSM001296	1.4	6364599	1550230																			1
PSM001297	0.5	6364589	1550243																			
PSM001298	1.5	6364644	1550285					87.5														
PSM001299	1.5	6364640	1550344																			
PSM001300	4.9	6364799	1550528																			
PSM001301	1	6364779	1550556																			
PSM001302		6364735	1550571																			
PSM001303	2.3	6364779	1550723																			5
PSM001304	1.5	6364656	1550907																			
PSM001305	1.9	6364625	1550918						1													
PSM001306	1	6364598	1550922																			
PSM001307	1.6	6364621	1550833																			
PSM001308		6364582	1550829					75														
PSM001309	1.8	6364483	1550727						1													
PSM001310	1.8	6364433	1550631						1													

IDCODE		Depth		Position (RT190 2.5 gon V)		Cover degree (7-point scale)											Comment			
		Y	X	Chana sp	Fintr	Chord	Dict	F-ves	Menoslr	Myr	Naj	Pot pect	Pot perf	Reed	Rupp	Vauch	Zamm	Zost		
PSM001311	1,4	6364421	1550587		7,5	1		1			1	25			75					Samma som HIK_ID 869 (PSM001309).
PSM001312	1,2	6364395	1550512					1				10			50					
PSM001313	1,5	6364263	1550462					5							10					
PSM001314	1,9	6364189	1550409		75			1				37,5		5						
PSM001315	1,5	6364129	1550459		75			17,5												
PSM001316	3,6	6364057	1550396																	Tomt.
PSM001317		6363991	1550333	1							1	75					5			
PSM001318	~3,5	6363975	1550322											50						Gräns utåt för Pot. Endast fintr rätt.
PSM001319		6363948	1550280	1				1			1	75					5			Samma som HIK_ID 877A (PSM001317).
PSM001320	1,5	6363964	1550216		100							1					10			I övrigt kal botten.
PSM001321		6363994	1550243		100			75				87,5								
PSM001322	1	6363999	1550207									1								
PSM001323	0,8	6364006	1550164	1	100							1								Ett grund med Fucus.
PSM001324	0,5	6363979	1550213		37,5			100												
PSM001325	2,5	6363922	1550131						1			17,5								
PSM001326	1,8	6363869	1550049		100			10				1					1			Tom sten/sed botten. Fintr luudd på sten.
PSM001327	2,7	6363885	1550031		75															Slambotten.
PSM001328	1,5	6363915	1549995								1	10								
PSM001329	1,4	6363935	1549966									1								
PSM001330	0,9	6363945	1549949								5									Inne vid land.
PSM001331		6363959	1549940		25						1									Samma som HIK_ID 889A (PSM001330), men Naj endast +.
PSM001332		6363938	1549916								1	5								
PSM001333	1,9	6363916	1549893		25						1									I kant.
PSM001334		6363999	1549877		100			1												Dött växtmatt. Annars bar botten.
PSM001335	1,3	6363948	1549773		100						5									
PSM001336	0,8	6363921	1549743		100															
PSM001337	2,4	6363907	1550235		100															
PSM001338	2	6363891	1550326									37,5								
PSM001339	1,9	6363886	1550380									50			50					Sten med fintr grönt
PSM001340	1,9	6363936	1550392		50															
PSM001341	2,2	6363800	1550428					5				5			37,5					Sydlig gräns för veg typ (Pot)
PSM001342	1,6	6363790	1550463									100		5						Pos utanför vegtyp som beskrivs i HIK_ID 900 (PSM001342).
PSM001343	3	6363781	1550474									1								Block med slam.
PSM001344	3,5	6363747	1550537																	Endast döda växtdebr.
PSM001345	4-5	6363713	1550589					5				1								
PSM001346	2	6363700	1550624									25								
PSM001347	1,6	6363742	1550629	1								100								
PSM001348		6363759	1550614																	
PSM001349		6363800	1550589					25				17,5								Kal botten. (Inget djup, dock djup).
PSM001350	1,8	6363791	1550651									75								Mosalkantad veg.
PSM001351	3,7	6363882	1550638																	
PSM001352	1	6363787	1550755																	
PSM001353	2,3	6363796	1550744					87,5												
PSM001354		6364104	1550682									5								Västlig gräns för kal botten (Inget djup, dock djup).
PSM001355	3	6364113	1550689									75								
PSM001356	2	6364146	1550695												25					
PSM001357	1,8	6364188	1550707									10			37,5					
PSM001358	2,1	6364206	1550781									37,5			62,5		5			Mosalkantat - växelvis Pot & Rupp.
PSM001359	3	6364178	1550783									5								
PSM001360	2,7	6364167	1550856									1								
PSM001361	2,5	6364105	1550996					1				1			5					
PSM001362	1	6364096	1550994					87,5												17,5 Fläckvis Pot & Zost.

Position (RT90 2.5 gpm V)										Cover degree (7-point scale)												
IDCODE	Depth	Y	X	Balraach	Calliritch	Cerato	Chara sp	Flnr	Chord	Dict	F. ves	Monosir	Myr	Naj	Pot.pect.	Pot.perf	Reed	Rupp	Vauch	Zamm	Zost	Comment
PSM001363	2,8	6364157	1551097														50					Kal botten med rött på stenar.
PSM001364	3	6364254	1551119								87,5										50	
PSM001365	3,5	6364155	1551242								25			1								Kal botten med röda.
PSM001366	4,2	6364712	1551268								37,5						17,5				10	
PSM001367	3	6364746	1551263								87,5											
PSM001368	2,1	6364757	1551266								100											
PSM001369	1	6364772	1551280								50		7,5	10							10	Fläckvis av allt utom Fuc.
PSM001370	1,6	6364949	1551059								87,5											
PSM001371	0,5	6363859	1550250					5			1		1	17,5			37,5					
PSM001372	2	6365027	1550592										1	25			75					
PSM001373	2	6365048	1550650										1	5			62,5					
PSM001374		6365063	1550820											25			7,5					
PSM001375	1,7	6365105	1550930											25			75					
PSM001376	2	6365105	1550952											25			75					
PSM001377	2,1	6365113	1550992											25			75					
PSM001378	1	6365159	1551055																			Samma som HK_ID 1006 (PSM001376). Tomt förutom Fucus i kanten.
PSM001379	2,3	6365151	1551077										1	5								
PSM001380		6365095	1551164								87,5											Tomt slambotten.
PSM001381	2,5	6365108	1551194												1							
PSM001382	2	6365195	1551268												50		50					
PSM001383		6365228	1551262					10			1		25	25			25					Vid CLAB-byggan. Kal blockbotten. Blockbotten.
PSM001384		6365233	1551229																			
PSM001385	3,5	6363457	1551017																			
PSM001386	3	6363458	1551031								25											
PSM001387	3,1	6363501	1551056								37,5											
PSM001388	3,6	6363530	1551065								37,5			7,5								
PSM001389	1,6	6363558	1551050								75											
PSM001390	3,5	6363411	1550952								25											
PSM001391	2,5	6363395	1550951								62,5											
PSM001392	2	6363362	1550980								87,5											
PSM001393	3,5	6363348	1550988								1										10	
PSM001394	3,5	6363303	1550945								1											
PSM001395	3,1	6363306	1550941								50											
PSM001396	2,1	6363314	1550937								100											
PSM001397	2,5	6363274	1550892								87,5											
PSM001398	3,2	6363260	1550898								17,5			1							1	
PSM001399	3	6363227	1550917								1											Tomt
PSM001400	5	6363232	1550918								10											
PSM001401	0,9	6363297	1550663								1											
PSM001402	3	6363316	1550674								1			87,5							7,5	Mosaikartad veg.
PSM001403	2,5	6363311	1550674								75			1							1	
PSM001404	4,2	6363314	1550729											1							1	Zost & Pot på bar botten.
PSM001405	3	6363314	1550773											87,5							7,5	
PSM001406		6363305	1550822								62,5		17,5	10							5	Mosaikartad veg.
PSM001407	1,2	6363302	1550845								87,5											
PSM001408		6363256	1550766								62,5		1								5	
PSM001409	2	6363236	1550747											7,5							37,5	
PSM001410	5	6363220	1550731								5										5	
PSM001411	3,9	6363200	1550698											10							50	
PSM001412	1,5	6363197	1550679								50		5									
PSM001413	1,2	6363180	1550629								62,5											
PSM001414	1,5	6363154	1550613								7,5											

Position (RT90 2,5-pm V)		Cover degree (7-point scale)													Comment										
IDCODE	Depth	Y	X	Batrach	Callitrich	Cerato	Chara sp	Flnr	Chord	Dict	F. ves	Monostr	Myr	Naj		Pot pect	Pot perf	Red	Rupp	Vauch	Zamm	Zost			
PSM001415	2,5	6363128	1550804								75											5			
PSM001416	3,6	6363115	1550804								37,5													Tom blockbotten.	
PSM001417	4,5	6363126	1550816								7,5												5		
PSM001418	3,8	6362958	1550842																				1		
PSM001419	4,5	6362920	1550863					50			10				5								62,5		
PSM001420	2,5	6362867	1550858								62,5														
PSM001421	2	6362854	1550858								75												1		
PSM001422	1	6362826	1550839														75								Kal botten.
PSM001423	5,5	6362898	1550814																				1		
PSM001424	5,5	6362899	1550722																				1		
PSM001425	5	6362891	1550720								7,5												7,5		
PSM001560		6362877	1550713																						
PSM001561	1,4	6362869	1550720								87,5												87,5		
PSM001562	3,5	6362973	1550666									1			1										
PSM001563	2,3	6363004	1550668								75		5		1										
PSM001564	1,5	6363023	1550667								87,5				1										
PSM001565	3,1	6363000	1550611												37,5										
PSM001566	2,4	6363034	1550540												37,5										
PSM001567	1,6	6362999	1550495								62,5														
PSM001568	0,8	6362991	1550529								87,5				1										
PSM001569	2,4	6362989	1550542																						
PSM001570	2,1	6362905	1550548								5		10		37,5										
PSM001571	4	6362877	1550572												75										
PSM001572	5,5	6362872	1550577													75									
PSM001573	4	6362839	1550624								50														
PSM001574		6362835	1550635								87,5		1		5		5						1		
PSM001575	1	6362826	1550646																						
PSM001576	3	6362837	1550639																						
PSM001577	1,9	6362778	1550419												62,5										
PSM001578	2,4	6362836	1550295								1		17,5		62,5		37,5								
PSM001579	2,1	6362869	1550246												5		10								
PSM001580	1,7	6362979	1550274												50										
PSM001581	1,5	6363037	1550354												25										
PSM001582	1,6	6363051	1550417												25										
PSM001583	1	6363122	1550440																						
PSM001584	1,5	6363161	1550293								25				1										
PSM001585	1,8	6363313	1550265																						
PSM001586	1,3	6363339	1550258								10		37,5												
PSM001587	1,7	6363436	1550220												50										
PSM001588	1	6363536	1550185								5		100				37,5								
PSM001589	3	6363661	1550155												10										
PSM001590	2,5	6363756	1550199												5										
PSM001591	2,1	6363758	1550196								10				1										
PSM001592	0,5	6363764	1550186								87,5														
PSM001593	2,9	6363741	1550181												10										
PSM001594	2	6363725	1550150																						
PSM001595	1,3	6363723	1550093								5				5										
PSM001596	2,4	6363707	1550132								1				50										
PSM001597	2,6	6363678	1550180												1										
PSM001598	3,6	6363629	1550136																						
PSM001599	2,5	6363550	1550074								1				1										
PSM001600	1,4	6363546	1550061												5										

IDCODE		Depth		Position (RT90 2.5 gon V)		Cover degree (7-point scale)												Comment
		Y	X	F. ves	Monstr	Wyr	Naj	Pot.pect.	Pot.perf	Red	Rupp	Vauch	Zamm	Zost				
		Balrach	Callitrich	Cerato	Chara sp.	Flnr	Chord	Dict.										
PSM001601	3,5	6363597	1550136			5										Förlutem flnrtr gr kal botten.		
PSM001602	4,9	6363589	1550193			5												
PSM001603	2,2	6363582	1550250	1		7,5		17,5			50					I stort kal botten med flnrtr gr som täcker Pot(+).		
PSM001604	2,2	6363632	1550295													Kal botten.		
PSM001605	4,4	6363587	1550320															
PSM001606	1,3	6363517	1550405															
PSM001607	0,9	6363523	1550428	5		1		7,5			5							
PSM001608	1,9	6363559	1550508													Fläckvis av all veg.		
PSM001609	4,2	6363568	1550524													Kal botten.		
PSM001610	1,7	6363539	1550528															
PSM001611	1	6363524	1550559	7,5				25		17,5						Tom botten med slen & slam.		
PSM001612	4	6363517	1550514															
PSM001613	3,1	6363444	1550497	1				1								Vita H2S-fläckar.		
PSM001614	1,8	6363403	1550505	5				1								Vita H2S-fläckar.		
PSM001615	1,6	6363365	1550541															
PSM001616	2,4	6363558	1550578															
PSM001617	4,1	6363569	1550591															
PSM001618	1,7	6363648	1550697															
PSM001619	1,4	6363649	1550780	50				50								Fläckvis veg på annars kal botten.		
PSM001620	1,4	6363658	1550831	1				1										
PSM001621	0,8	6363739	1550901															
PSM001622	2,2	6363642	1550894															
PSM001623	2,9	6363620	1550942	1				1		10						Överslammad veg.		
PSM001624		6363648	1550971	1				1		50						Zost & Pot växlar fläckvis.		
PSM001625	4,3	6363702	1551037							100						50 Samma som HIK_ID 1047 (PSM001622).		
PSM001626	6	6363713	1551043							50								
PSM001627	1,8	6363826	1551114							17,5						Kal botten.		
PSM001628		6363847	1551107							50						Sten & sandbotten.		
PSM001629	2,9	6363883	1551198	1						7,5								
PSM001630	2,4	6363484	1550377															
PSM001631	2,3	6363426	1550277															
PSM001632	2,5	6363382	1550126															
PSM001633	1,4	6363345	1550011															
PSM001634	2	6363319	1549958															
PSM001635		6363222	1549834	5				5								Vita H2S-fläckar.		
PSM001636	1,8	6363221	1550001															
PSM001637	1,3	6363127	1550476															
PSM001638	1,5	6362935	1550208	1												Slambotten		
PSM001639	1,1	6362917	1550169															
PSM001640	1,8	6362901	1550157	25				25										
PSM001641	1,3	6362884	1550213															
PSM001642	2,5	6362813	1550250															
PSM001643	1,9	6362783	1550321															
PSM001644	1,6	6362741	1550396															
PSM001645	1,9	6362712	1550435													Samma som HIK_ID 1069(PSM001644), men utan Zost.		
PSM001646	6,1	6362701	1550473													Tom botten.		
PSM001647	1,2	6362663	1550534															
PSM001648	1,3	6362669	1550587															
PSM001649	1,3	6362574	1550410	5				5								Överslammad veg.		
PSM001650	1,1	6362664	1550323													Slam.		
PSM001651	1,5	6362624	1550528															
PSM001652	3,3	6362575	1550433													Pot börjar. Utanför position djupt (~7m)		

Position (RT190 2.5 gpm V)													Cover degree (7-point scale)												
IDCODE	Depth	Y	X	Batrach	Callitrich	Ceratio	Chara sp	Finlr	Chord	Dict	F. ves	Menoslr	Myr	Naj	Pot.pest	Pot. perf	Reed	Rupp	Vaugh	Zamm	Zost	Comment			
PSM001653	1.5	6362613	1550377								5				87,5							Samma som HK_ID 1074.			
PSM001654	1.4	6362663	1550307												50							Överslämrad Pot.			
PSM001655	1.5	6362660	1550286																			Döda växtdejar.			
PSM001656	1.2	6362330	1550428					1			10				5							Brant kant, 7m djupt ~ 10m från strand.			
PSM001657	3.2	6362390	1550356												75							Samma som HK_ID 1082.			
PSM001658	1.6	6362393	1550339												75										
PSM001659	2.2	6362315	1550326												87,5										
PSM001660	3.8	6362237	1550329																		25				
PSM001661	3.6	6362262	1550340			1									5						10	Sten & grusbotten.			
PSM001662	2.9	6362190	1550307									5			25						25	Pot. börjar.			
PSM001663	2.5	6362183	1550299																		62,5	Tom botten.			
PSM001664	4.8	6362095	1550250																						
PSM001665	2.1	6361882	1550241				1					1			10							Överslämrad veg.			
PSM001666	2.2	6361889	1550303				1								10							Överslämrad veg.			
PSM001667	1.4	6361843	1550288				5					5			75						5	Överslämrad veg.			
PSM001668	1	6361714	1550331				5	100				5			25							Finlr grönt ligger helt veg.			
PSM001669	0.9	6361661	1550357				5	100				5			25							Finlr grönt ligger helt veg. (Som HK_ID 1093, PSM001669).			
PSM001670	1.6	6361625	1550345				5								25							Slambotten med växtrester.			
PSM001671	1.4	6361621	1550328																						
PSM001672	1.1	6361616	1550311																						
PSM001673	1.6	6361621	1550286				1	100			37,5				37,5										
PSM001674	1.2	6361638	1550242				75																		
PSM001675		6361679	1550241				75																		
PSM001676	0.6	6361690	1550247				1															Slam.			
PSM001677	1.1	6361746	1550211				1	75							87,5							Samma som HK_ID 1099 (PSM001674).			
PSM001678	1.4	6361689	1550176				1	62,5	5			17,5			17,5							Veg totalt överslämrad.			
PSM001679	2.2	6361587	1550140				5	5	87,5						37,5							Veg överlätt av slam & finlr grönt.			
PSM001680	1	6361491	1550096								62,5		25			1									
PSM001681	2.3	6361455	1550115				10								50							H2S-fläcker. Död botten.			
PSM001682	0.9	6361386	1550205												1							Samma som HK_ID 1106, men lite mer Pot.			
PSM001683	1.4	6361431	1550175				10								62,5										
PSM001684	1.2	6361403	1550258												37,5										
PSM001685	1.6	6361371	1550278								1		1								62,5	Slam.			
PSM001686	1.4	6361279	1550315				1								1						37,5				
PSM001687	0.9	6361238	1550347												62,5							Slam.			
PSM001688	1	6361227	1550397												87,5							Slam.			
PSM001689	1.1	6361274	1550514												17,5							Vita H2S-fläcker.			
PSM001690	0.9	6361282	1550589								1				17,5							Samma som HK_ID 1114 (PSM001689) + Fluc.			
PSM001691	0.5	6361241	1550610								25		5		5										
PSM001692	0.9	6361207	1550634								5		1												
PSM001693	0.8	6361184	1550698								62,5				25										
PSM001694	3	6361132	1550749								25				1										
PSM001695	2.5	6361174	1550969								5														
PSM001696	2.6	6361434	1550983								87,5														
PSM001697	1	6361430	1550981								87,5														
PSM001698	2.4	6361527	1550783								87,5														
PSM001699	2.8	6361552	1550742												7,5						62,5	Tom botten.			
PSM001700	3.9	6361616	1550360																						
PSM001701	2.7	6361608	1550585												87,5						5	Tom botten.			
PSM001702	0.6	6361581	1550565								62,5		7,5												
PSM001703	3.7	6361650	1550628												10										
PSM001704	2.3	6361754	1550647								5		1									7,5			

Position (RT90 2.5 gpm V)										Cover degree (7-point scale)										Comment				
IDCODE	Depth	Y	X	Balrach	Callinich	Cerato	Chara sp.	Flnr	Chord	Dict.	F. ves	Monostir	Myr	Naj	Pot pect.	Pot perf	Red	Rupp	Vauch		Zamm	Zost		
PSM001705	2.3	6361771	1550648																			25		
PSM001706	2.3	6361795	1550646										5		25								25	
PSM001707	1.1	6361848	1550644								87.5												50	
PSM001708	3.8	6361876	1550689												5								87.5	
PSM001709	3.2	6362058	1550869												5								62.5	
PSM001710	2.6	6362130	1550873								37.5													
PSM001711	1.5	6362147	1550890										1		62.5									
PSM001712	1.7	6362177	1550882												25								50	
PSM001713	1.9	6362285	1550868												10								75	
PSM001714	3.2	6362341	1550881												1								87.5	
PSM001715	3.1	6362404	1550921												1								10	
PSM001716	1.9	6362423	1550927										1		1								87.5	
PSM001717	2.3	6362451	1550954										1		1								87.5	
PSM001718	2.1	6362470	1550970												100									
PSM001719	2.5	6362502	1551003												75								5	
PSM001720	3.3	6362522	1551043								25												50	
PSM001721	4.6	6362594	1551072																					
PSM001722	4.8	6362642	1551071																					
PSM001723	3.7	6362649	1551058																					
PSM001724	2.7	6362652	1551040																					
PSM001725	2.2	6362644	1551095								87.5				5								5	
PSM001726	6.9	6362716	1551080																					
PSM001727	5.2	6364608	1551697																					
PSM001728	3.8	6364612	1551705														50							
PSM001729	2.5	6364652	1551724								25				1									
PSM001730	2.2	6364818	1551609												5								25	
PSM001731	2.3	6364835	1551604								100													
PSM001732	3.4	6364843	1551606								50				5								25	
PSM001733	3.2	6364878	1551618																					
PSM001734	1.5	6364983	1551496								5		5		7.5								100	
PSM001735	1.7	6365042	1551492								5				7.5									
PSM001736	1.8	6365053	1551476												100									
PSM001737	3.1	6365080	1551456												75									
PSM001738	2.2	6365242	1551457								37.5				1								10	
PSM001739	1.5	6365249	1551455								87.5				7.5									
PSM001740	3.7	6362090	1551502								10													
PSM001741	4.8	6362122	1551575																					
PSM001742	2.5	6362123	1551598														25							
PSM001743	2.5	6362103	1551661														25							
PSM001744	3.5	6362085	1551683														37.5							
PSM001745	1.3	6361945	1551757												25									
PSM001746	3.1	6361863	1551878												25									
PSM001747	1.5	6361867	1551890												25									
PSM001748	2.7	6361850	1552116														10							
PSM001749	3.9	6361654	1552392														25							
PSM001750	3.7	6361156	1552516														25							
PSM001751	4.5	6361628	1552662														25							
PSM001752	3	6361588	1552732														50							
PSM001753	4.5	6361531	1552883														37.5							
PSM001754	3.7	6361305	1553075														50							
PSM001755	1.7	6362323	1552115														50							
PSM001756	3.9	6362330	1552005														10							

Position (RT190 2.5 pon V)										Cover degree (7-point scale)													
IDCODE	Depth	Y	X	Batrach	Callitrich	Carabid	Chara sp	Fimr	Chord	Diclt	F. ves	Menosir	Myr	Naj	Pot pecl	Pot perf	Red	Rupp	Vaugh	Zamm	Zost	Comment	
PSM001757	2.5	6362415	1551835													25							
PSM001758	1.8	6362437	1551894								5				5	10	5						
PSM001759	2.6	6362532	1551901												7.5								Sten & sandbotten.
PSM001760	1	6362591	1551918												25								
PSM001761	3.5	6362636	1551954								1				25								
PSM001762	1.9	6362650	1552004												25								
PSM001763	3.4	6362609	1552279												25								
PSM001764	4.8	6362439	1553463												62.5								Stefan börjar dyk från denna position.
PSM001765	3.3	6362863	1553171												50								Häll.
PSM001766	3.5	6362882	1552455												25								Grusbotten.
PSM001767	3.7	6362825	1551669												37.5								
PSM001768	2.5	6362783	1551675												75								
PSM001769	3.8	6362762	1551617												25								
PSM001770	1.5	6362763	1551594								10				25								
PSM001771	2.9	6362817	1551543								37.5				10								
PSM001772	6.3	6362876	1551510												25								Härbotten.
PSM001773	4	6362810	1551417								50				10								
PSM001774	4.7	6362801	1551340												5		5						
PSM001775	4	6362732	1551326												5		5						
PSM001776	2.7	6362681	1551376												25								
PSM001777	0.6	6362665	1551333								75				25		5						
PSM001778	3.8	6362674	1551287												25		5						
PSM001779	4	6362797	1551230												25		5						
PSM001780	1.8	6362802	1551277								25				10		10						
PSM001781	2.3	6362883	1551234								50				10		50						
PSM001782	4.1	6362904	1551315												37.5								
PSM001783	1.9	6363054	1551367																				
PSM001784	3.1	6363065	1551322								5				25								
PSM001785	1.2	6363124	1551309												25								
PSM001786	3.6	6363174	1551311								5				25								
PSM001787	2.7	6363237	1551307												62.5								
PSM001788	3	6363307	1551273												25								
PSM001789	2	6363385	1551307												1								
PSM001790	1.5	6363427	1551326												5		5						
PSM001791	1.2	6363483	1551367												50								
PSM001792	5.3	6363601	1551373												17.5								
PSM001793	4.5	6362394	1551054																				
PSM001794	0.5	6362368	1551021								10				1								
PSM001795	3.5	6362379	1551027								17.5				37.5								
PSM001796	3.7	6362401	1550959												1								
PSM001797	1.5	6362426	1550915												37.5								
PSM001798	3.5	6362422	1550874								50				10								
PSM001799	1.2	6362445	1550770												37.5								
PSM001800	3.5	6362449	1550767												1								
PSM001801	3.9	6362453	1550692																				
PSM001802	1	6362469	1550668								50												
PSM001803	3	6362460	1550638																				
PSM001804	4.8	6362367	1550622																				
PSM001805	2.5	6362331	1550680												10								
PSM001806	2.5	6362339	1550713								5				5								
PSM001807	1.7	6362361	1550738												37.5								
PSM001808	2.2	6362382	1550762												37.5								



IDCODE	Depth	Position (RT90 2.5 gon V)				Cover degree (7-point scale)							Zost	Comment								
		Y	X	Balrach	Callitrich	Cerato	Chara sp.	Flmr	Chord	Dict.	F. ves	Monostr.			Myr	Naj	Pot pect.	Pot perf.	Red	Rupp	Vauch	Zamm
PSM001809	3	6362275	1550847											12,5							12,5	Växelvis Zost & Pot.
PSM001810	2	6362182	1550936											1			10				25	
PSM001811	4	6362317	1550969											25							50	Växelvis Zost & Pot.
PSM001812	1,2	6362273	1550986																			
PSM001813	3,2	6362232	1551032											25							50	Växelvis Zost & Pot.
PSM001814	1	6362209	1551059																			
PSM001815	4,6	6364257	1551525																			
PSM001816	2	6364291	1551548																			
PSM001817	2,5	6364305	1551527																			
PSM001818	3,5	6364306	1551598																			
PSM001819	2,7	6364272	1551698																			
PSM001820	3	6364268	1551774																			
PSM001821	3,3	6364375	1551897																			
PSM001822	0,7	6364395	1551886																			
PSM001823	1	6364398	1551867																			
PSM001824	1,5	6364547	1551781																			
PSM001825	2,5	6364541	1551813																			
PSM001826	3,5	6364635	1551934																			
PSM001827	2,8	6364645	1551999																			
PSM001848	8	6362524	1553473																			
PSM001849	0,8	6362076	1551454																			
PSM001850	0,5	6362869	1551468																			
PSM001851	1,5	6365145	1552002																			
PSM001852	2	6366457	1553099																			
PSM001853	1,2	6366062	1554784																			
PSM001854	1,5	6368955	1555368																			

## Location of, and ocular record from diving transects

### Ocular records from diving transect

**Table A3-1.** Explanations for abbreviations used in the results from diving transects.

Abbreviation	Explanation
Ögb	Depth at upper Fucus belt boundary
Ugb	Depth at lower Fucus belt boundary
Ugf	Depth at lowest growing Fucus plant
Ugs	Depth at lower boundary for suitable Fucus substrate
Ugr	Depth at lower boundary for Rhodophycota
Recruits	Amount of new recruits in the Fucus belt. free-standing/at the base of established plants

**Transect** SKB1 = PSM 001 828  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6367510  
(inner) 1550591

**Co-ordinate :** 6367600  
(outer) 1550564

**Date** 2002-10-23

**Time :** 10.00 - 11.30

**Water temp. :** 9 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
60	2	0,5	3
25	1,3	0,5	3
3	0,4	0,2	3
60	2	D	1
25	1,3	D	1

TANG OBSERVATIONS	Ögb.	Recruits
Fuc. cov. 1m	Ugb.	Loose, Fuc
Sub/cov. 1m	UgF	Grazing
	UgS	Siltation
	UgR	Epiphyte

wind dir. E-SE  
wind force 12-14  
wave height 0,1

Ajusted. Y

Start **water's edge**

photo of shore : Y  
UV-photo/film : N

Cover degree (%): 0,1,5,10,25,50,75, Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Chara baltica /aspera	Chara tomentos	liten Chara	Pot pectinatus	Myriophyllum	Pilayella el dyl	Note
5	0,7	H	100						5	almost bare flat rock, thin layer of silt
12	0,9	FG	100	1	25	25	5	1		
21	1	FG	100	10	25	50	1	1		apex grazed
26	1,3	FG	100	25	75	1	1	1		apex grazed
33	1,6	FG	100	25	75		1			apex grazed
35	1,6	FG	100	75	25		1			
45	1,7	FG	100	100			1			
55	1,9	FG	100	100						
75	2,1	FG	100	100						
105	2,2	FG	100	100						

**Other transect observations :**  
great amount of swan faeces on shallow water (approx 1-1.5m). Chara apex grazed. Water rich in humus, made it meaningless to film profile.

**Transect** SKB20 = PSM 001 844  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6362526  
(inner) 1551361

**Co-ordinate :** 6362447  
(outer) 1551393

**Date** 2002-11-18

**Time** :10.00 - 11.30

**Water temp. :** 7 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

	range	depth	frame	quant
	6	1,4	0,5	3
	25	3,8	0,5	3
	59	3,4	0,2	3
	6	1,4	D	1
	25	3,8	D	1

TANG OBSERVATIONS	Ogb.	Recruits
	0,3	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
75-100	3,6	1
Sub/cov. 1m	UgF	Grazing
100	4,7	1-2
	UgS	Siltation
	>7,3	1
	UgR	Epiphyte
	>7,3	0-1

wind dir. SW  
wind force 8  
Start water's edge  
wave height 0,1

Ajusted. Y  
photo of shore: Y  
UV-photo/film: Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Fucus ser	Furcellaria	Polysiphonia ne	Phyllophora	ceramium ten	Playella el dyl	Cladophora sp	Zostera	Pot pectinatus	Ruppia	Mytilus	Note
0,5	0,3	BI	100	1						10	5					
11	2,6	BI+H	100	75			1		5	1						recruits1/1, B1, Rec1
18	3,6	BI+H	100	50			1		5	1						recruits1/1, B1, Rec0, graz1
34	4,3	BI/Gr	75/25	10	1	1	25		5			5	1	1	5	patces with sand and zost/Pot 25
48	4,4	St/S	50/50	5	1	1	10		5			10	10	5	5	
60	3,6	BI/S	75/25	10	1	1	50		5			5	5		5	graz2, B1, rec0, recruits1/1
69	4,7	BI/S	75/25	1	1	5	50					5	5		5	sandfläckar
71	5,5	BI/S	75/25			5	50	1							5	
79	7,3	BI/S	75/25	5		5	25	1							5	loose Fu ves, great amount of Cerastoderma
90	7,3	BI/S	25/75			1	10								1	

**Other transect observations :**  
great amount of Cerastoderma

**Transect** SKB3 = PSM 001 830  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6367361  
(inner) 1551267

**Co-ordinate :** 6367291  
(outer) 1551242

**Date** 2002-10-23

**Time** :15.00 - 16.15

**Water temp. :** 8 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

	range	depth	frame	quant
	50	2,8	0,2	3
	25	2,1	0,5	3
	4	0,7	0,2	3
	25	2,1	D	1

TANG OBSERVATIONS	Ögb.	Recruits
Fuc. cov. 1m	Ugb.	Loose, Fuc
Sub/cov. 1m	UgF	Grazing
	UgS	Siltation
	UgR	Epiphyte

wind dir. E-SE  
wind force 12-14  
wave height 0,1

Ajusted. Y

Start **water's edge**

photo of shore : Y  
UV-photo/film : N

Cover degree (%): 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**  
Lower borders for:

range	depth	Substrate	Cover degree	Chara sp	Pot pectinatus	Pot perfoliatus	Myriophyllum	Möja	Najas	Vaucheria	lösa fintr brun- alger	Playella el dyl	Note
7	1,4	H	100										thin layer of silt
13	1,7	FG/BI	100/1		1		1				100		
18	1,9	H	100								5		thin layer of silt, flat rock or big block
23	2,1	FG	100	1		1	1	1					
27	2,2	FG	100		1	50		1					
30	2,2	FG	100	1	1		5			10			
33	2,3	FG	100	1	1		5			75			
40	2,3	FG	100		1					100			
50	2,8	FG	100		1					100			
75	3,4	FG	100		1		1			100			

**Other transect observations :**  
Water rich in humus, made it meaningless to film profile.

**Transect** SKB4 = PSM 001 831  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6368513  
(inner) 1551475

**Co-ordinate :** 6368550  
(outer) 1551487

**Date** 2002-10-29

**Time :** 10.00 - 11.00

**Water temp. :** 8 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
5	0,7	0,2	3
20	3,1	0,5	3
20	3,1	D	1

TANG OBSERVATIONS	Ögb.	Recruits
Fuc. cov. 1m	Ugb.	Loose, Fuc
Sub/cov. 1m	UgF	Grazing
	UgS	Siltation
	UgR	Epiphyte

wind dir. W  
wind force 5  
Start water's edge  
wave height 0

Ajusted. Y  
photo of shore : Y  
UV-photo/film : N

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**  
Lower borders for:

range	depth	Substrate	Cover degree	Chara sp	Pot pectinatus	Pot perfoliatus	Myriophyllum	säv	lösa fintr brun-alger	Pilayella el dyl	myt	Note
2	0,4	BI	100					10				
6	1,4	BI/FG	75/25			5	5		100	1		
11	3,1	BI/FG	75/25			5	5			1		great amount of silt
27	3,1	FG	100	1	1	75	5					
33	2,8	BI/FG	75/25	5	1	5	5			1	1	
41	2,8	BI/FG	10/90	1	1	1	5					
50	2,5	BI/FG	75/25	1	1		10					

**Other transect observations :**  
Water rich in humus, made it meaningless to film profile.

**Transect** SKB5 = PSM 001 832  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6368348  
(inner) 1551872

**Co-ordinate :** 6368350  
(outer) 1551965

**Date** 2002-10-29

**Time** :11.30 - 12.30

**Water temp. :** 8 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
10	0,7	0,2	3
25	1,6	0,5	3
60	2,2	0,5	3
25	1,6	D	1
60	2,2	D	1

wind dir. W  
wind force 5  
wave height 0

Ajusted. Y

Start **water's edge**

photo of shore : Y

UV-photo/film : Y

Cover degree (%): 0,1,5,10,25,50,75 Assesment 0, 1, 2,

TANG OBSERVATIONS	Ögb.	Recruits
Fuc. cov. 1m	Ugb.	Loose, Fuc
Sub/cov. 1m	UgF	Grazing
	UgS	Siltation
	UgR	Epiphyte

**Linear assesment**  
Lower borders for:

range	depth	Substrate	Cover degree	Chara baltica /aspera	Chara tomentos	Pot pectinatus	Myriophyllum	vass	Playella el dyl	Note
2	0,3	BI	100					10	1	
16	1,4	BI/FG	75/25	5	1	5	1		1	
30	1,7	FG	100	25	50	25				
37	1,9	FG	100	75	25	5				
40	2	FG	100	90	5	5				
50	2,1	FG	100	100		5				
65	2,2	FG	100	100		1				great amount of swan faeces
100	2,4	FG	100	100						Chara approx 50 cm in height

**Other transect observations :**

**Transect** SKB6 = PSM 001 833  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6368518  
(inner) 1552537

**Co-ordinate :** 6368606  
(outer) 1552566

**Date** 2002-10-29

**Time** 13.30 - 15.00

**Water temp. :** 8 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
2	0,5	0,2	3
18	1,8	0,5	3
50	1,8	0,5	3
18	1,8	D	1
50	1,8	D	1

TANG OBSERVATIONS	Ogb.	Recruits
Fuc. cov. 1m	Ugb.	Loose, Fuc
Sub/cov. 1m	UgF	Grazing
	UgS	Siltation
	UgR	Epiphyte

wind dir. W  
wind force 6  
Start water's edge  
wave height 0,05

Ajusted. Y  
photo of shore: Y  
UV-photo/film: j

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Chara baltica /aspera	Pot pectinatus	Myriophyllum	Najas	Pilayella el dyl	Note
2	0,6	H	100					1	
5	1,9	BI/FG	75/25		1	10		1	
10	1,7	FG	100	25	10		5		
16	1,8	FG	100	75	10				
22	1,9	FG	100	25	50	1	1		
34	1,7	FG	100	100	1				apex grazed, great amount of swan faeces
50	1,8	FG	100	100					
75	1,7	FG	100	100					
100	1,7	FG	100	100					

**Other transect observations :**

Lot of silt on vegetation along hole transect.



**Transect** SKB7 = PSM 001 834  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6369200  
(inner) 1552501

**Co-ordinate :** 6369230  
(outer) 1552474

**Date** 2002-10-29

**Time** 15.30 - 16.30

**Water temp. :** 8 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
2	0,3	0,2	3
8	1,9	0,5	3
11	2,4	0,2	3

TANG OBSERVATIONS	Ögb.	Recruits
Fuc. cov. 1m	Ugb.	Loose, Fuc
Sub/cov. 1m	UgF	Grazing
	UgS	Siltation
	UgR	Epiphyte

wind dir. NW  
wind force 6  
wave height 0,05

Ajusted. Y

photo of shore : Y  
UV-photo/film : Y

Start water's edge

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**  
Lower borders for:

range	depth	Substrate	Cover degree	Pot pectinatus	Pot perfoliatus	Myriophyllum	Rivularia	lös Fucus	lösa fintr brun- alger	Playella el dyl	lösa fintr grön- alger	Note
2	0,5	BI	100				10		10	5		
6	1,4	BI/FG	75/25				5	10	75		25	
9	2,1	BI/FG	75/25					50-75				
12	2,8	H	100						10	5		
14	3	BI/FG	1/100	1	10	1					5	
20	3,3	BI/FG	1/100		5	5				1	5	
35	3,6	BI/FG	1/100		1	1				1		
50	4	BI/FG	1/100			1				1		

**Other transect observations :**

**Transect** SKB8 = PSM 001 835  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6368411  
(inner) 1554407

**Co-ordinate :** 6368422  
(outer) 1554361

**Date** 2002-10-29

**Time** 16.45 - 17.30

**Water temp. :** 8 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
2	0,3	0,2	3
13	1,2	0,5	3
13	1,2	D	1

TANG OBSERVATIONS	Ögb.	Recruits
	0,7	1
Fuc. cov. 1m	Ugb. 1	Loose, Fuc 1
25	UgF 1,3	Grazing 0
Sub/cov. 1m	UgS 2,7	Siltation 1
25	UgR 2,1	Epiphyte 1

wind dir. NW  
wind force 5  
Start water's edge  
wave height 0,05

Ajusted. Y  
photo of shore: Y  
UV-photo/film: Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Chara sp	Pot pectinatus	Pot perfoliatus	Myriophyllum	Zanichellia	ceranium ten	Enteromorpha	Fucus ves	iös Fucus	iösa fintr brun-alger	Pilayella el dyl	iösa fintr grön-alger	Note
1,5	0,4	BI	75-100						10					5		
3	0,7	BI/FG	50/50						1	10			10	10	10	
7	1	BI/FG	25/75		10		5		5	25			50		10	
10	1,3	BI/FG	10/90	5	50		1		1	10-25					5	
14	1,3	BI/FG	10/90	5	75		10		1	10					50	
17	1,3	BI/FG	10/90	50	25	1	5		1	10						
28	1,6	BI/FG	1/100	75	10	1	5		1							
32	2,1	BI/FG	1/100		50		5	10	1			5				
34	2,7	BI/FG	1/100		10		1	5				1				
40	3,8	FG	100		1		1					1				
50	4,4	FG	100													loose vegetation, smell of hydrogen sulphide

**Other transect observations :**

**Transect** SKB9 = PSM 001 836  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6367276  
(inner) 1553584

**Co-ordinate :** 6367266  
(outer) 1553705

**Date** 2002-10-30

**Time** 10.30 - 12.00

**Water temp. :** 8 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** 0

**Samples :**

range	depth	frame	quant
15-19	0,8	0,5	3
15-19	0,8	0,2	3
115	2,5	0,2	3
160	7	0,2	3
15-19	0,8	D	1

wind dir. SW  
wind force 2  
wave height 0,1

Ajusted. Y

Start water's edge

photo of shore : Y

UV-photo/film : Y

Cover degree (%): 0,1,5,10,25,50,75 Assesment 0, 1, 2,

TANG OBSERVATIONS		Ugb.	Recruits
		0,3	1
Fuc. cov. 1m		Ugb.	Loose, Fuc
	25-50	2,2	1
Sub/cov. 1m		UgF	Grazing
	100	10,5	1
		UgS	Siltation
		>210/12,0	0-1
		UgR	Epiphyte
		>210/12,0	1

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Furcellaria	Polysiphonia ne	Phyllophora	Ceramium ten	Mytilus	Note
3	0,3	BI	100	1		1		1		
14	0,8	BI	100	50		5		5	1	rec1, B1,recruits1/1, graz1
22	1,2	BI	100	25-50	1	10		5	1	rec1, B1, recruits1/1, graz1
29	1,8	BI	100	25	5	25		5	5	rec1, B1, recruits1/1, graz1, great amount of Theodoxus
38	2,2	BI/S	75/25	10-25	5	25		5	5	rec1, B1, recruits1/1, graz1, great amount of Theodoxus
48	2,3	BI	100	5	5	50		1	5	
56	2,9	BI/S	75/25	5	5	50		1	10	
81	3,9	BI/S	5/95	5	1	5		5	5	BI100 N of profile, cover degree according to 110/3,0
110	3	BI	100	5	5	50		25	25	graz1, recruits1/1, minimum depth 2,0 m
120	3,6	H	100	1	5	50	1	10	5	around 113/2,8 : cer 25%
130	4,2	BI	100	5	10	50	1	5	10	worn Fucus, ny1/0
170	9,8	BI	100	5	10	50	5		10	
190	10,5	BI/S	10/90	1	1	5	1		5	
210	12	BI/S	1/100		1	1	1			occasional bl med Pol fuc 5-10

**Other transect observations :**

**Transect** SKB10 = PSM 001 845  
(Name and ID)

**Area :** Simpevarp (north)

**Co-ordinate :** 6368227  
(inner) 1555030

**Co-ordinate :** 6368182  
(outer) 1555003

**Date** 2002-11-19

**Time** 10.30 - 12.00

**Water temp. :** 5 °C

**Personnel :** Tobias, Roland  
Anna

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
3,5	1,2	0,5	3
3,5	1,2	0,2	3
33	6	0,2	3
3,5	1,2	D	3

TANG OBSERVATIONS	Ogb.	Recruits
	0,1	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
100	1,6	1
Sub/cov. 1m	UgF	Grazing
100	10,2	1-2
	UgS	Siltation
	10,2	0-1
	UgR	Epiphyte
	10,2	1

wind dir. NW  
wind force 5  
Start water's edge  
wave height 0,2

Ajusted. Y  
photo of shore: Y  
UV-photo/film: Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Fucus ser	Furcellaria	Polysiphonia ne	Phyllophora	ceramium ten	Pilayella el dyl	Enteromorpha	Mytilus	Note
0,5	0,1	H	100							25			
4,5	1,2	H	100	100								1	rec1-2, graz1
5,8	1,6	H	100	25				10	1			1	rec1, graz1-2, recruits0/1
8,3	1,7	H	100	10			1	25	1			1	
12	2,2	BI	100	1			5	5	10			10	graz1, substantially worn Fucus
23	4	BI	100	1	1	1	10	1	5			10	graz1, rec1
33	6	BI/Gr	75/25	1	5-10	10	10	1				10-25	
34	6	BI/Gr	75/25	1	5-10	10-25	10	1				10	rec0, worn Fucus
42	8,2	BI/Gr	75/25	1	1	5	25	1				1	
47	9	BI/Gr	50/50	1	5	5	10	1				1	rec1
50	9,6	St/Gr	50/50	1	5	5	10	5				5	
54	9,9	St/Gr	50/50	1	1	5	5					5	
55	10,2	St/Gr	5/95		1	1	5						

**Other transect observations :**

Transect also attended 1993-2002 (OKG1H) by order of the coastal water committee, county of Kalmar. Two supplementary profiles attended.

**Transect** SKB11 = PSM 001 846  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6365958  
(inner) 1552795

**Co-ordinate :** 6365925  
(outer) 1552836

**Date** 2002-11-19

**Time** 13.30 - 15.00

**Water temp. :** 6 °C

**Personnel :** Tobias, Roland  
Anna

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
4	1	0,5	3
4	1	0,2	3
4	1	D	3
40	6	0,2	3

TANG OBSERVATIONS	Ögb.	Recruits
	0,1	1
Fuc. cov. 1m	Ugb. 5,8	Loose, Fuc 1
75		
Sub/cov. 1m	UgF >6.8	Grazing 1-2
100		
	UgS >6.8	Siltation 1
	UgR >6.8	Epiphyte 1

wind dir. NW  
wind force 4  
wave height 0,2

Ajusted. Y

photo of shore : Y  
UV-photo/film : Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**  
Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Fucus ser	Furcellaria	Polysiphonia ne	Phyllophora	ceranium ten	Playella el dyl	Enteromorpha	Mytilus	Note
0	0,1	H	100						25		25		
0,5	0,3	H	100	25	1				5	10			
4,8	0,8	H	100	75	1				5	25			recruits1/1, slightly worn Fucus
9	1,9	H	100	50	25		1		5	10			recruits1/1, receptakles dropped - slightly worn Fucus
10	2,7	H	100	1	1		1		50			50	steep section
13,5	3,7	BI	100	10-25	10-25	5	5	1				5	graz2
23	5,8	BI/S	75/25	10	25	5	1	1				5	recruits1/1, worn and grazed Fucus
27	5,5	BI/S	25/75	5	10-25	5	1	1				5	recruits1/1, worn and grazed Fucus
40	6,1	BI/S	75/25	1	5	5	5	1				5-10	recruits1/1, worn and possibly grazed Fucus
50	6,8	BI/S	75/25	1	5-10	5	1	1				5	grazed, some receptakles left

**Other transect observations :**  
Transect also attended 1993-2002 (OKG1H) by order of the coastal water committee, county of Kalmar. Two supplementary profiles attended.

**Transect** SKB12 = PSM 001 847  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6362219  
(inner) 1552189

**Co-ordinate :** 6362285  
(outer) 1552296

**Date** 2002-11-20

**Time** 10.30 - 12.00

**Water temp. :** 5 °C

**Personnel :** Tobias, Roland  
Anna

**Water-level** 0

**Samples :**

range	depth	frame	quant
25	0,8	0,5	3
50	3	0,2	3
80	5,3	0,5	3
80	5,3	0,2	3

TANG OBSERVATIONS	Ogb.	Recruits
	0,3	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
50	5,6	0
Sub/cov. 1m	UgF	Grazing
100	10,2	1
	UgS	Siltation
	10,2	0-1
	UgR	Epiphyte
	10,2	0-1

wind dir. NW  
wind force 12  
Start water's edge  
wave height 0,5

Ajusted. Y  
photo of shore: Y  
UV-photo/film: Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**  
Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Fucus ser	Furcellaria	Polysiphonia ne	Phyllophora	ceramium ten	Playella el dyl	Cladophora rup	Rhodomela	Callithamnion	Mytilus	Note
4	0,3	BI	100	5					10		1				small Fucus
7	0,5	BI	100	50							1				
17	0,6	BI	100	100			1			5	5				
27	0,8	BI	100	75			1			10	5			1	
32	1	BI	100	50		1	5			25	1			1	rec1, graz1, recruits1/1
44	1,5	BI	100	10		5	10		10	5	1			5	big blocks, Fucus in patches among blocks
55	3,3	BI	100	10		10	25		10	5-10	1			10-25	big blocks, Fucus in patches among blocks mer österut.
62	4	BI	100	25	5	5	25				1	1		10	
74	4,7	BI	100	50	10	5	10				1	1		10	
82	5,6	BI/St	50/50	25	10	5	10				1	1		10	
88	6,3	BI/St	25/75	10	10	5	10-25	1			1	1	1	5	graz1, rec0, recruits0/1
100	7,7	St/S	75/25	5	5	5	10	1			1	1	1	5	graz1, rec0, recruits0/0
110	8,1	St/S	50/50	5	1	5	10	1			1	5	1	5	
125	9,1	St/S	10/90	1	1	1	5	1				1		1	UgF=10,2

**Other transect observations :**  
Transect also attended 1993-2002 (OKG1H) by order of the coastal water committee, county of Kalmar. Two supplementary profiles attended.

**Transect** SKB13 = PSM 001 837  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6364282  
(inner) 1551144

**Co-ordinate :** 6364250  
(outer) 1551174

**Date** 2002-10-30

**Time** 13.15 - 14.00

**Water temp. :** 7 °C

**Personnel :** Tobias, Sanna  
Ronny

**Water-level** 0

**Samples :**

range	depth	frame	quant
9	1,1	0,5	3
9	1,1	0,2	3
35	6	0,2	3
9	1,1	D	1

wind dir. W  
wind force 4  
wave height 0,05

Ajusted. Y

Start water's edge

photo of shore : Y

UV-photo/film : Y

TANG OBSERVATIONS	Ögb.	Recruits
	0,3	1
Fuc. cov. 1m	Ugb. 3,8	Loose, Fuc 1
75		
Sub/cov. 1m	UgF 4,8	Grazing 1-2
100		
	UgS >8,6	Siltation 1
	UgR >8,6	Epiphyte 1

Cover degree (%): 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	lös Fucus	Furcellaria	Polysiphonia ne	Phyllophora	ceramium ten	Playella el dyl	Cladophora rup	Lösa röda mest Pol nigr	Rivularia	Pot pectinatus	Myriophyllum	Mytilus	Note
1,5	0,3	BI	100	5					5	5			1				
16	3,1	BI	100	75		1	1	1	5		1		1			5	
19	3,8	BI	100	50		1	5	1	5							5	
22	4,4	BI/Gr	75/25	10		1	25	1								5	graz2, lgreat amount of Cerastoderma
29	4,8	BI	75-100	1		5	50	1	1					1	1	5	zostera patch W of profile
32	5,6	BI	75-100			5	50	1								5	zostera 1
40	7,9	BI	75-100		1	5	50	1								5	
50	8,6	BI/FG	1/100		5							75					BI with Pol fuc 10, great amount of Cerastoderma

**Other transect observations :**

**Transect** SKB14 = PSM 001 838  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6364209  
(inner) 1550619

**Co-ordinate :** 6364254  
(outer) 1550624

**Date** 2002-10-30

**Time** 14.30 - 15.30

**Water temp. :** 6 °C

**Personnel :** Tobias, Sanna  
Ronny

**Water-level** 0

**Samples :**

range	depth	frame	quant
2,5	0,4	0,2	3
40	2,6	0,5	3
40	2,6	D	1

TANG OBSERVATIONS	Ogb.	Recruits
	-	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
1	-	0
Sub/cov. 1m	UgF	Grazing
75-100	2,7	0
	UgS	Siltation
	2,7	1-2
	UgR	Epiphyte
	2,7	1

wind dir. NW  
wind force 4  
Start water's edge  
wave height 0

Ajusted. Y  
photo of shore : Y  
UV-photo/film : Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves		Polysiphonia ne	ceramium ten	Pilayella el dyl	Enteromorpha	Lösa fintr bruna	Pot pectinatus	Ruppia	Zanichellia	Myriophyllum
3	0,5	BI	100				5	25	10	25				
8	2,7	BI	100	1		1	1			100				
29	2,6	BI/FG	1/100								5	1		1
37	2,7	BI/FG	1/100	1		1	1		1		25	10	1	5
43	2,6	BI/FG	1/100	1							25-50	5	1	5
50	2,7	BI/FG	1/100	1							10	5	5	5

Note

great amount of Cerastoderma  
BI with F10, cer5, Ent5, Pol fuc1

**Other transect observations :**



**Transect** SKB15 = PSM 001 839  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6362901  
(inner) 1550497

**Co-ordinate :** 6362869  
(outer) 1550584

**Date** 2002-10-30

**Time** 15.50 - 16.40

**Water temp. :** 7 °C

**Personnel :** Tobias, Sanna  
Ronny

**Water-level** 0

**Samples :**

range	depth	frame	quant
2	0,3	0,2	3
5	1,1	0,5	3
40	2,5	0,5	3
5	1,1	D	1
40	2,5	D	1

wind dir. NW  
wind force 4  
Start water's edge  
wave height 0,05

Ajusted. Y  
photo of shore : Y  
UV-photo/film : Y

TANG OBSERVATIONS	Ögb.	Recruits
	0,2	1
Fuc. cov. 1m	Ugb. 75	Loose, Fuc 1
Sub/cov. 1m	UgF 100	Grazing 1
	UgS >6.2	Siltation 1
	UgR >6.2	Epiphyte 1-2

Cover degree (%). 0, 1,5,10,25,50,75 Assesment 0, 1, 2,

Linear assesment															
Lower borders for:															
range	depth	Substrate	Cover degree	Fucus ves	Furcellaria	Polysiphonia ne	ceramium ten	Playella ei dyl	grönalg sp	Zostera	Pot pectinatus	Ruppia	Zanichellia	Myriophyllum	Note
1	0,2	BI+H	100						10						
9	2,1	BI+H	100	75			5	5	1						
30	2,5	BI/FG	75/25	25			1			5	10	10		5	mostly loose Fucus
50	2,5	BI/FG	10/90	1		1	1			50	10-25			10	
66	2,8	BI/FG	50/50	25			25				10		5	10	
95	5,4	BI/FG	1/100		1	1				50-75	5	5		1	zostera mostly lying
100	6,2	BI/FG	50/50		1	10									

**Other transect observations :**

**Transect** SKB16 = PSM 001 840  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6363001  
(inner) 1550031

**Co-ordinate :** 6362961  
(outer) 1550121

**Date** 2002-11-04

**Time** 9.40 - 11.00

**Water temp. :** 5 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,05

**Samples :**

range	depth	frame	quant
17	1,2	0,5	3
55	1,4	0,5	3
17	1,2	D	1
55	1,4	D	1

TANG OBSERVATIONS	Ögb.	Recruits
	-	0
Fuc. cov. 1m	Ugb.	Loose, Fuc
10	-	1
Sub/cov. 1m	UgF	Grazing
75-100	1,1	0
	UgS	Siltation
	1,1	1
	UgR	Epiphyte
		1

wind dir. E  
wind force 7  
Start water's edge  
wave height 0,1

Ajusted. Y  
photo of shore: Y  
UV-photo/film: Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Pot pectinatus	Pot perfoliatus	Myriophyllum	Ruppia	Zanichellia	Chara sp	Najas	Ceratho phyllum	iösa fintr brun- alger	Pilayella el dyl	iösa fintr grön- alger	Note
3	1,1	BI+H	100	10									10	1		
10	1,2	FG	100		75		5	1	5	1	1		75		5	
28	1,2	FG	100		75		5	1	5	1	1		5		5	
41	1,2	FG	100		50-75		5	1	5	1	1		25		25	
47	1,4	FG	100		5		5	1	1				1		1	
53	1,4	FG	100		50		10	5				1	5		5	
61	1,5	FG	100	1	10		25		10	1	1		5		10	loose Fucus
91	1,9	FG	100	1	25	1	5	5	5	1					5	loose Fucus
103	2,1	FG	100	1	10		5	5								loose Fucus

**Other transect observations :**

**Transect** SKB17 = PSM 001 841  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6361990  
(inner) 1550015

**Co-ordinate :** 6361947  
(outer) 1550018

**Date** 2002-11-04

**Time** 11.30 - 12.30

**Water temp. :** 4 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,05

**Samples :**

range	depth	frame	quant
1,5	0,2	0,2	3
2	0,7	0,5	3
33	1,7	0,5	3
2	0,7	D	1
33	1,7	D	1

TANG OBSERVATIONS	Ögb.	Recruits
	0,4	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
1	0,9	1
Sub/cov. 1m	UgF	Grazing
75	1,8	0
	UgS	Siltation
	1,8	1
	UgR	Epiphyte
	1,8	1

wind dir. NE  
wind force 4  
Start water's edge  
wave height 0

Ajusted. Y

photo of shore : Y  
UV-photo/film : Y

Cover degree (%): 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**  
Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Cladophora sp	Pot pectinatus	Myriophyllum	Zanichellia	Ruppia	Ceramium ten	lösa fintr brun- alger	Chaetomorpha	Note
1,5	0,4	BI	100	1	10								
3	0,9	BI	100	25	5					1			great amount of loose Pot pect och Myrioph
5	1,3	BI/FG	75/25	1						1			
8	1,4	BI/FG	1/100	1		5		5		1			
16	1,8	BI/FG	1/100	1		10-25	1	5	10-25	5	5		
25	1,8	BI/FG	1/100	1		25	5	10	10		10		
47	1,5	FG	100			25	5	25	25		5		
50	1,4	FG	100			25	5	25	5		50		

**Other transect observations :**  
Some parts of the transect hard to judge due to filamentous algae

**Transect** SKB18 = PSM 001 842  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6361778  
(inner) 1550137

**Co-ordinate :** 6361742  
(outer) 1550172

**Date** 2002-11-04

**Time** 13.15 - 14.30

**Water temp. :** 4 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,05

**Samples :**

range	depth	frame	quant
7	0,9	0,5	3
23	1,4	0,5	3
7	0,9	D	1
23	1,4	D	1

TANG OBSERVATIONS	Øgb.	Recruits
	0,3	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
25	1,3	1
Sub/cov. 1m	UgF	Grazing
50	1,4	0
	UgS	Siltation
	1,4	1-2
	UgR	Epiphyte
	1,8	1-2

wind dir. E  
wind force 3  
Start water's edge  
wave height 0

Ajusted. Y  
photo of shore: Y  
UV-photo/film: Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

**Linear assesment**

Lower borders for:

range	depth	Substrate	Cover degree	Fucus ves	Enteromorpha	Pot pectinatus	Myriophyllum	Zanichellia	Ruppia	Chara sp	Najas	Ceratophyllum	lösa fintr brun-alger	Note
1,5	0,3	BI	100		1									
3	0,6	BI/FG	75/25	50	1								25	
9	1,3	BI/FG	50/50	25		1	1					1	75	
13	1,4	BI/FG	1/100	1		10	1			1		5	50	hydrogen sulphide
23	1,4	FG	100			50	10	5	5	5	1	10	10	
28	1,4	FG	100			25	10	5	10	25	1	5	10	Chara almost dead
30	1,3	FG	100			25	10			10	1	5	75	
34	1,3	FG	100			25	5			5		10	100	
40	1,3	FG	100			10	5			5		10	100	
50	1,3	FG	100			50	5			10		5	100	

**Other transect observations :**

great amount of filamentous brown algae lying over the vegetation making it hard to estimate coverage

**Transect** SKB19 = PSM 001 843  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6361828  
(inner) 1551042

**Co-ordinate :** 6361862  
(outer) 1551133

**Date** 2002-11-04

**Time** 15.00 - 16.00

**Water temp. :** 6 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,05

**Samples :**

range	depth	frame	quant
12	1,1	0,5	3
85	5	0,5	3
95	4,7	0,2	3
12	1,1	D	1
85	5	D	1

TANG OBSERVATIONS	Ugb.	Recruits
	0,3	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
75-100	3,5	1
Sub/cov. 1m	UgF	Grazing
100	4,5	1
	UgS	Siltation
	5	1
	UgR	Epiphyte
	>5	0-1

wind dir. NE  
wind force 4  
Start water's edge  
wave height 0,1

Ajusted. Y

photo of shore : Y  
UV-photo/film : Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

Linear assesment																Note
Lower borders for:																
range	depth	Substrate	Cover degree	Fucus ves	Furcellaria	Ceramium ten		Zostera	Pot pectinatus					Mytilus		
3	0,3	BI	100	5										1	Fucus recruits	
24	2,9	BI+H	100	75-100										1	rec0, B1, graz1, recruits1/1	
29	2,9	BI/Gr	5/95	75										1	loose Fucus	
43	3,4	BI+H	100	75		5								1	graz1	
48	3,5	Gr	100	25		1			25					5	loose Fucus, graz 2	
62	3,2	BI+H	100	5		5								5	graz2	
71	4,5	BI/S	75/25	5	1	25		1	5					5	Fucus 25-50 on flat rock N transect	
87	4,9	BI/S	5/95		1	1		50	5					1	Fucus 25-50 on flat rock N transect	
100	5	BI/S	25/75		1	25		5						5		

**Other transect observations :**

**Transect** SKB20 = PSM 001 844  
(Name and ID)

**Område :** Simpevarp (south)

**Co-ordinate :** 6362526  
(inner) 1551361

**Co-ordinate :** 6362447  
(outer) 1551393

**Date** 2002-11-18

**Time** :10.00 - 11.30

**Water temp. :** 7 °C

**Personnel :** Sanna, Tobias  
Ronny

**Water-level** -0,1

**Samples :**

range	depth	frame	quant
6	1,4	0,5	3
25	3,8	0,5	3
59	3,4	0,2	3
6	1,4	D	1
25	3,8	D	1

TANG OBSERVATIONS	Ogb.	Recruits
	0,3	1
Fuc. cov. 1m	Ugb.	Loose, Fuc
75-100	3,6	1
Sub/cov. 1m	UgF	Grazing
100	4,7	1-2
	UgS	Siltation
	>7,3	1
	UgR	Epiphyte
	>7,3	0-1

wind dir. SW  
wind force 8  
Start water's edge  
wave height 0,1

Ajusted. Y  
photo of shore: Y  
UV-photo/film: Y

Cover degree (%). 0,1,5,10,25,50,75 Assesment 0, 1, 2,

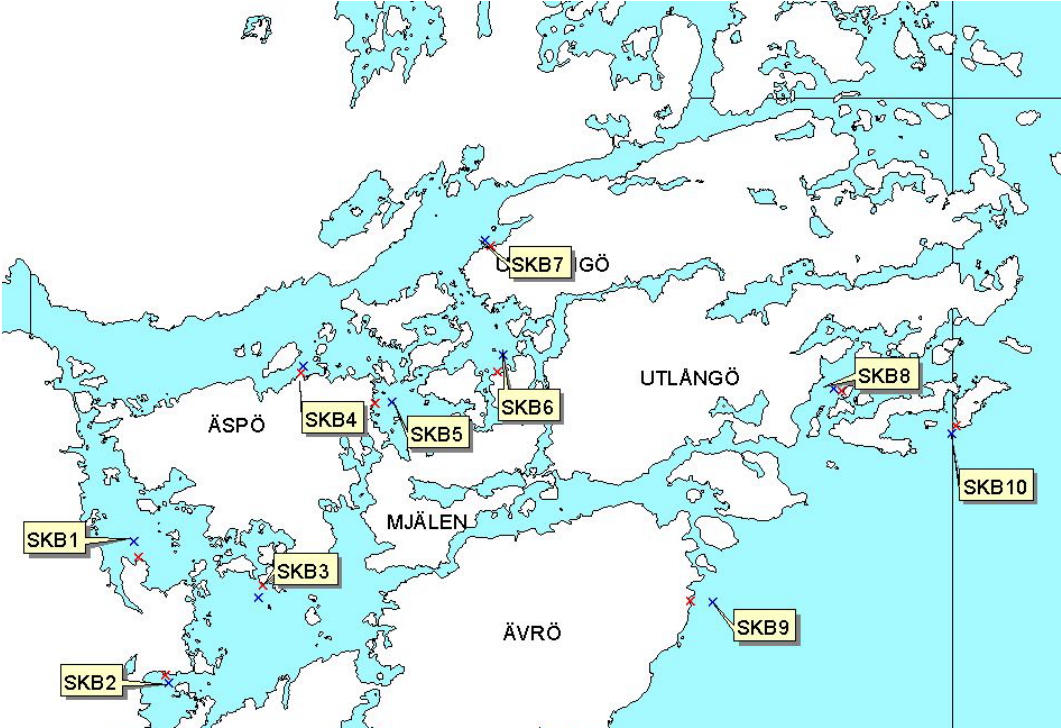
**Linear assesment**

Lower borders for:

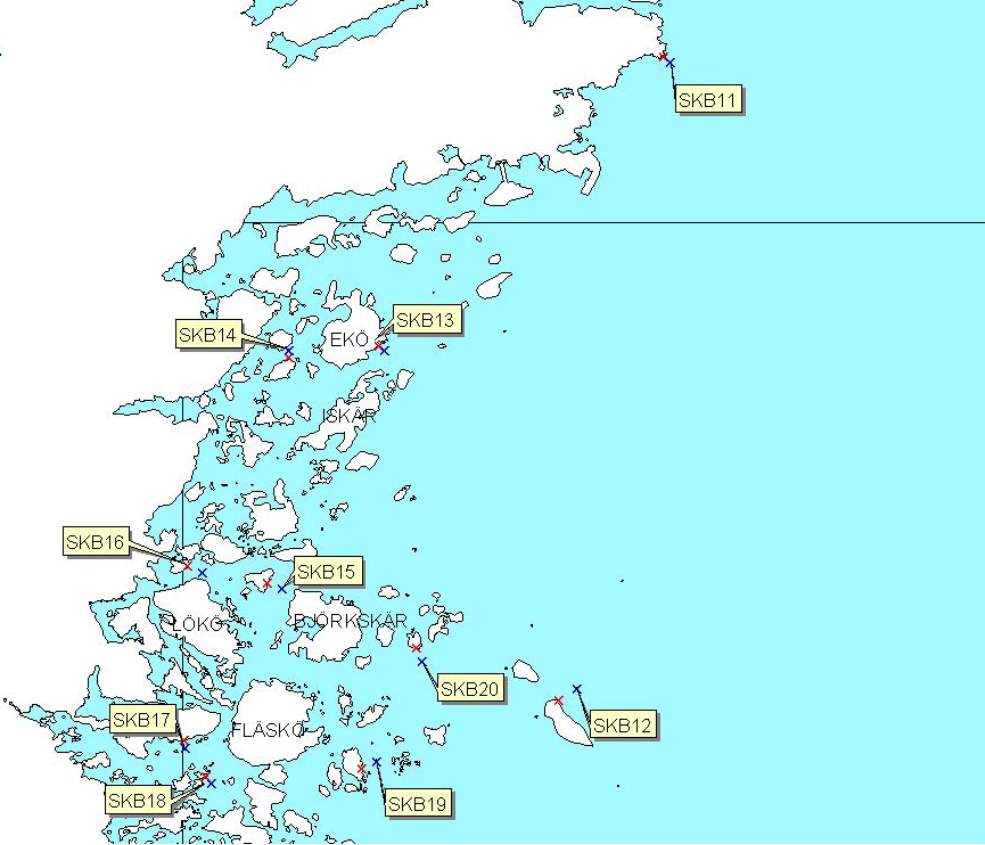
range	depth	Substrate	Cover degree	Fucus ves	Fucus ser	Furcellaria	Polysiphonia ne	Phyllophora	ceramium ten	Playella el dyl	Cladophora sp	Zostera	Pot pectinatus	Ruppia	Mytilus	Note
0,5	0,3	BI	100	1						10	5					
11	2,6	BI+H	100	75			1		5	1						recruits1/1, B1, Rec1
18	3,6	BI+H	100	50			1		5	1						recruits1/1, B1, Rec0, graz1
34	4,3	BI/Gr	75/25	10	1	1	25		5			5	1	1	5	patces with sand and zost/Pot 25
48	4,4	St/S	50/50	5	1	1	10		5			10	10	5	5	
60	3,6	BI/S	75/25	10	1	1	50		5			5	5		5	graz2, B1, rec0, recruits1/1
69	4,7	BI/S	75/25	1	1	5	50					5	5		5	sandfläckar
71	5,5	BI/S	75/25			5	50	1							5	
79	7,3	BI/S	75/25	5		5	25	1							5	loose Fu ves, great amount of Cerastoderma
90	7,3	BI/S	25/75			1	10								1	

**Other transect observations :**  
great amount of Cerastoderma

**Location of diving transects**



*Figure A3-1. Location of transects in the northern area.*



*Figure A3-2. Location of transects in the southern area.*

## Appendix 4

### Results from quantative and qualitative vegetation samples

**Table A4-1. Biomass (g dw/m<sup>2</sup> +/-Standard error), cover degree (mean +/- Standard error) and biomass per cover degree (g/m<sup>2</sup>/%).**

Veg.Type No.Samples	Filamentous algae		Chara sp.		Pot. pect		Pot. perf		Vaucheria sp.		Fucus ves		Undergrowth		Zostera		Red algae	
	10		8		6		2		2		12		6		3		8	
	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE
RIVULARIA SP.	2,01	0,86									0,02	0,02	0,01	0,01				
Chroococcales	0,01	0,01																
Lungbya aestuarii					0,05	0,06												
Furcellaria lumbricalis											0,27	0,28	5,97	3,24	0,03	0,04	43,28	20,89
PHYLLOPHORA SP.					0,00	0,00							0,00	0,00			1,72	1,12
Aglaothamnion roseum																	0,00	0,00
Ceramium nodulosum													0,00	0,00				
Ceramium gobii	0,07	0,04			1,34	1,33					0,20	0,16	0,38	0,27	1,96	2,21	12,09	4,96
Polysiphonia fucoides	0,02	0,01									0,59	0,61	4,44	3,25	0,03	0,03	14,99	8,93
Polysiphonia fibrillosa	0,04	0,03			0,00	0,00					0,01	0,01	1,03	1,12			0,00	0,00
Pilayella littoralis	0,74	0,58									0,00	0,00	3,15	1,74			0,00	0,00
Pil/Ecto coll					0,00	0,00					0,00	0,00						
Dictyosiphon foeniculaceus	0,03	0,03									0,00	0,00						
Fucus vesiculosus	0,10	0,11									520,50	111,92	1,33	1,05	0,27	0,32		
VAUCHERIA SP.	0,00	0,00	0,37	0,40					307,89	56,44								
ULOTHRIX SP.	0,01	0,01															0,01	0,01
Monostroma grevillei	0,45	0,47																
ENTEROMORPHA SP.	0,54	0,43									0,00	0,00	0,03	0,01			0,01	0,01
CHAETOMORPHA SP.	0,47	0,49																
CLADOPHORA SP.	5,86	1,99	3,06	3,27	0,38	0,42					0,59	0,46	0,01	0,01			0,01	0,01
Cladophora glomerata	1,30	1,25									0,04	0,04	0,00	0,00				
Cladophora rupestris	0,01	0,01											1,35	0,94				
MOUGEOTIA SP.	0,10	0,09			0,01	0,01					0,01	0,01						
UROSPORA SP.													0,01	0,01				
CHARA SP.	0,09	0,06	78,15	74,37	0,85	0,51												
Chara aspera			20,00	21,38														
Chara horrida					0,12	0,13												
Chara tomentosa			45,36	23,32														
Chara baltica			11,54	9,09														
Chara baltica var.horrida			129,80	86,55														
Ceratophyllum demersum					0,23	0,25					0,01	0,01						
Myriophyllum spicatum	0,32	0,31			12,44	9,02			1,68	2,37	0,01	0,01			0,60	0,74		
Potamogeton pectinatus			2,05	1,80	82,40	45,95									11,15	7,92		
Potamogeton perfoliatus							34,60	4,24										
Ruppia cirrhosa	0,14	0,15			0,08	0,08			0,16	0,23					1,48	1,82	0,03	0,03
Zannichellia palustris	0,00	0,00	0,00	0,00	0,01	0,01												
Najas marina			0,88	0,85														
Zostera marina															54,27	28,11		
Unidentified green alga	0,01	0,01	0,06	0,07														
Unidentified brown alga	0,25	0,26																
<b>Σ</b>	<b>12,53</b>	<b>2,09</b>	<b>291,26</b>	<b>80,29</b>	<b>97,91</b>	<b>43,62</b>	<b>34,60</b>	<b>4,24</b>	<b>309,73</b>	<b>59,04</b>	<b>522,25</b>	<b>111,71</b>	<b>17,70</b>	<b>4,56</b>	<b>69,79</b>	<b>39,50</b>	<b>72,16</b>	<b>23,60</b>
<b>No. Taxa</b>	<b>23</b>		<b>11</b>		<b>14</b>		<b>1</b>		<b>3</b>		<b>15</b>		<b>14</b>		<b>8</b>		<b>11</b>	
<b>Cover for strata (M+/-SE)</b>	<b>25,4</b>	<b>11,0</b>	<b>84,4</b>	<b>11,2</b>	<b>60,0</b>	<b>10,2</b>	<b>62,5</b>	<b>17,7</b>	<b>100,0</b>	<b>0,0</b>	<b>61,6</b>	<b>7,9</b>	<b>66,3</b>	<b>11,2</b>	<b>41,7</b>	<b>10,2</b>	<b>43,3</b>	<b>8,0</b>
<b>Biomass (g dw/m<sup>2</sup>) per cover degree</b>	<b>0,5</b>		<b>3,5</b>		<b>1,6</b>		<b>0,6</b>		<b>3,1</b>		<b>8,5</b>		<b>0,3</b>		<b>1,7</b>		<b>1,7</b>	



## Appendix 5

### Results from quantitative and qualitative fauna samples

**Table A5-1. Abundance (count/100gDWveg +/-Standard error) for fauna associated to the vegetation.**

Veg. Type No. Samples	Filamentous algae		Chara sp.		Pot. pect		Pot. perf		Vaucheria sp.		Fucus ves		Undergrowth		Zostera		Red algae	
	10		8		6		2		2		12		6		3		8	
	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE
TURBELLARIA																	11	12
Prostoma obscurum													14	15			25	24
Nereis diversicolor													27	30			30	24
Pisiccola geometra																	7	7
OSTRACODA									121	171								
MYSIS SP.	84	45	2	2							1	0	211	123			153	91
Heterotanais oerstedii	1 114	636																
Sphaeroma rugicauda													27	29				
Sphaeroma hookeri	677	395	228	76	331	362	438	176	1 064	265	65	68						
Idotea baltica											41	21	83	74	53	38	233	61
Idotea chelipes	485	480	47	47	786	348					91	73	233	165	213	248	461	211
Idotea granulosa											8	4	107	117			9	7
JAERA SP.											2	1	123	86			325	193
Asellus aquaticus	65	68	15	15					4	5			14	15				
GAMMARUS SP.			9	6	5	5	20	28			2	2	186	187			41	20
Gammarus locusta	27	28									3	1			6	7	62	44
Gammarus oceanicus	12	13	34	15	3	2	18	3	12	3	7	3	449	241	7	9	68	44
Gammarus zaddachi			0	0					4	5	2	1					7	7
Gammarus salinus			36	17	6	7	156	221	31	17	8	4	359	375			12	8
Calliopius laeviusculus											0	0	407	315			71	55
Leptocheirus pilosus	41	30			1	1					18	12	27	30			57	61
Corophium volutator	50	52															6	4
Palaemon adspersus			2	2	2	3					1	0						
EPHEMEROPTERA	117	75																
ZYGOPTERA	12	13	9	7	48	24					3	2						
DYTISCIDAE	75	56							57	80								
HALIPLUS SP.	174	116	16	6	1	1												
DONACIA SP.					4	3												
CURCULIONIDAE					19	21												
TRICHOPTERA	26	27	43	31	140	154	342	400	4	5	1	1						
CHIRONOMIDAE	23 881	14 245	147	93	19	13	198	30	171	232	5	4	95	66	7	9	382	243
Theodoxus fluviatilis	1 755	691	2	3	13	4					251	77	3 988	1 800	1 361	608	2 592	795
HYDROBIA SP.	2 917	1 512	5	4	1	1					10	6	5 395	4 200	690	845	12 286	3 919
Potamopyrgus antipodarum	3 907	3 146	1 656	1 625	749	263	20	28	3 482	4 884	63	57	1 754	1 132	1 025	633	614	474
Bithynia tentaculata			7	8					11	15								
RISSOA SP.											0	0					22	24
LYMNAEA SP.	734	516	25	15	1 118	831					78	56	27	30	324	340	201	131
Mytilus edulis	26	28			75	50	20	28			62	34	18 447	10 806	999	598	22 461	4 123
Cerastoderma hauniense	1 188	365	110	103	410	118	206	291			188	90	4 301	3 549	9 906	5 755	12 350	5 870
Macoma baltica											0	0			7	9	22	15
Mya arenaria											1	1	44	48			91	63
BRYOZOA							x	x			x	x	x	x	x	x		
Syngnathus typhle					5	5									7	9		
GOBIIDAE																	2	2
Nerophis ophidion					1	1												
<b>Σ</b>	<b>37 366</b>	<b>15 291</b>	<b>2 393</b>	<b>1 757</b>	<b>3 738</b>	<b>810</b>	<b>1 416</b>	<b>450</b>	<b>4 959</b>	<b>5 219</b>	<b>908</b>	<b>293</b>	<b>36 317</b>	<b>15 729</b>	<b>14 605</b>	<b>6 075</b>	<b>52 600</b>	<b>10 927</b>
<b>No. taxa</b>	<b>21</b>		<b>19</b>		<b>21</b>		<b>10</b>		<b>11</b>		<b>27</b>		<b>23</b>		<b>14</b>		<b>28</b>	

**Table A5-2. Biomass (dw/100gDWveg +/-Standard error) for fauna associated to vegetation.**

Veg. Type No. Samples	Filamentous algae		Chara sp.		Pot. pect		Pot. perf		Vaucheria sp.		Fucus ves		Undergrowth		Zostera		Red algae	
	10		8		6		2		2		12		6		3		8	
	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE	M	SE
TURBELLARIA																	0,01	0,01
Prostoma obscurum													0,01	0,01			0,01	0,01
Nereis diversicolor													0,01	0,01			0,16	0,15
Piscicola geometra																	0,01	0,01
OSTRACODA									0,00	0,01								
MYSIS SP.	0,09	0,05	0,00	0,01							0,00	0,00	0,09	0,05			0,08	0,05
Heterotanais oerstedii	0,08	0,05																
Sphaeroma rugicauda													0,08	0,09				
Sphaeroma hookeri	1,78	1,15	0,31	0,08	0,96	1,05	0,85	0,43	1,59	0,38	0,14	0,15						
Idotea baltica											0,49	0,26	0,67	0,50	0,38	0,23	1,44	0,35
Idotea chelipes	0,62	0,59	0,16	0,17	2,79	1,25					0,38	0,32	0,33	0,27	0,54	0,61	0,41	0,22
Idotea granulosa											0,08	0,04	0,56	0,61			0,06	0,05
JAERA SP.											0,00	0,00	0,03	0,02			0,03	0,01
Asellus aquaticus	0,03	0,03	0,02	0,02					0,00	0,01			0,01	0,01				
GAMMARUS SP.			0,01	0,00	0,01	0,01	0,01	0,01			0,00	0,00	0,12	0,11			0,03	0,01
Gammarus locusta	0,03	0,03									0,01	0,00			0,01	0,01	0,06	0,03
Gammarus oceanicus	0,04	0,04	0,06	0,03	0,03	0,02	0,05	0,02	0,04	0,04	0,05	0,02	0,79	0,46	0,01	0,02	0,07	0,04
Gammarus zaddachi			0,00	0,00					0,03	0,04	0,01	0,00					0,01	0,01
Gammarus salinus			0,11	0,05	0,06	0,07	0,94	1,33	0,10	0,08	0,05	0,03	0,27	0,26			0,03	0,02
Calliopius laeviusculus											0,00	0,00	0,23	0,16			0,04	0,03
Leptocheirus pilosus	0,04	0,03			0,00	0,00					0,00	0,00	0,01	0,01			0,01	0,01
Corophium volutator	0,05	0,05															0,01	0,00
Palaemon adspersus			0,09	0,07	0,09	0,09					0,02	0,02						
EPHEMEROPTERA	0,08	0,05																
ZYGOPTERA	0,05	0,05	0,02	0,01	0,19	0,08					0,01	0,01						
DYTISCIDAE	0,08	0,06							0,00	0,01								
HALIPLUS SP.	0,23	0,17	0,02	0,01	0,00	0,00												
DONACIA SP.					0,02	0,02												
CURCULIONIDAE					0,05	0,05												
TRICHOPTERA	0,03	0,03	0,04	0,03	0,11	0,12	0,20	0,17	0,04	0,06	0,00	0,00						
CHIRONOMIDAE	7,95	6,23	0,01	0,00	0,01	0,01	0,05	0,04	0,02	0,02	0,00	0,00	0,09	0,07	0,01	0,01	0,05	0,02
Theodoxus fluviatilis	16,83	9,12	0,02	0,02	0,12	0,04					2,60	0,75	28,04	11,93	8,19	2,96	15,98	3,74
HYDROBIA SP.	6,32	3,42	0,03	0,03	0,01	0,01					0,01	0,01	14,21	9,37	1,21	1,48	32,15	8,15
Potamopyrgus antipodarum	8,08	6,41	2,63	2,34	3,30	1,11	0,09	0,12	1,70	2,35	0,16	0,12	2,60	1,91	2,93	2,25	0,89	0,68
Bithynia tentaculata			0,01	0,02					0,08	0,12								
RISSEO SP.											0,00	0,00					0,05	0,06
LYMNAEA SP.	5,48	3,89	0,30	0,27	8,44	5,03					1,99	1,37	0,33	0,36	2,64	3,03	4,53	3,16
Mytilus edulis	0,27	0,29			0,22	0,18	0,02	0,03			2,44	1,52	230,13	115,01	5,62	3,32	274,35	123,72
Cerastoderma hauiense	13,51	6,36	0,74	0,68	6,40	2,39	0,60	0,85			4,45	2,30	19,41	13,01	64,80	39,95	55,93	27,81
Macoma baltica											0,00	0,00			0,22	0,27	0,26	0,26
Mya arenaria											0,00	0,00	0,04	0,05			0,02	0,02
BRYOZOA							0,19	0,04			0,24	0,24	0,01	0,02	0,04	0,05		
Syngnathus typhle					1,04	1,14									1,30	1,59		
GOBIIDAE																	0,06	0,07
Nerophis ophidion					0,28	0,30												
<b>Σ</b>	<b>61,67</b>	<b>16,49</b>	<b>4,59</b>	<b>2,59</b>	<b>24,10</b>	<b>5,90</b>	<b>2,99</b>	<b>0,92</b>	<b>3,60</b>	<b>2,30</b>	<b>13,14</b>	<b>4,43</b>	<b>298,08</b>	<b>132,42</b>	<b>87,90</b>	<b>40,19</b>	<b>386,73</b>	<b>113,82</b>
<b>No. taxa</b>	<b>21</b>		<b>19</b>		<b>21</b>		<b>10</b>		<b>11</b>		<b>27</b>		<b>23</b>		<b>14</b>		<b>28</b>	