

## SWEDEN – VÄSTERVIK MUNICIPALITY

### Progress in the case area <Västervik> 2020-03-05



#### Contact

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Västervik municipality has been working with catchment officers for several years and measures to reduce nutrient leakage. Local measures to reduce eutrophication from farmland are funded by national grants and distributed through the municipality. During 2019 a large amount of individual meetings with landowners, around 40 visits on site, been implemented. Moreover have focus groups been arranged and a couple of smaller meetings. A lot of measures have been realized during 2019, soil mapping 600 ha, structure liming 550 ha, wetlands 4 ha, 6 phosphorous ponds, filter ditches (with lime) 6 ha. Measures will be implemented 2020. Contacts and paper works are already completed. We have funds for measures 2020-2021 and have recently applied for funds for 2022-2023.

<b>Measure 2018/19</b>	<b>Areal</b>	<b>Planned</b>	<b>P decrease kg/year</b>
Soil mapping	600 ha	850	60
Structure liming	450 ha	550 ha	85
Small wet-lands and Phosphorous ponds	4 ha	10 ha	40
Filter ditches	6 ha	50 ha	5
Two stage ditches	0 meter	500 m	

The LEVA network with 20 pilots in Sweden are working with catchment officers on a local level. The catchment officers are financed by the state for two years. 5 of the 20 pilots have been visiting us in Västervik and we have been invited to a couple of other pilot areas to tell about are work and methods. Contacts by the networks in Waterdrive and LEVA have developed our methods in Västervik working with the landowners and local measures for reducing nutrients.

The case area is the coastal areas in Västervik Municipality (All municipality 1 875 km<sup>2</sup> including waterarea). The exchange of water between the inner deeper part and the open sea is low. Most of the biggest bays in the coastline are deep with a shallow mouth. This makes benthic ecosystems particularly vulnerable. The poor water circulation leads to nutrient-rich water and bad oxygen conditions at the bottom. As Västervik is characterized by its proximity to the Baltic Sea, the eutrophication problem is palpable. Coastal Water sensitivity to eutrophication is higher in the inner archipelago.

The focus for meetings are local catchment areas where there are intense agriculture production with a lot of cattle within a small area. The meetings are expected to lead us to the most interested landowners and hopefully the best spots for local measures. The meetings are also a way to develop the methods for a successful work in collaboration with the landowners. So far it seems to work – the meetings lead us to the right farmer and the right spots.

2019-2020 – Meeting with several focus groups in catchment areas where we have intense production and a lot of cattle within a small area - as around a lake or a stream. In these meetings we can inform about successful measures and help farmers to choose the right measure in the right place and with contacts to authorities and stakeholders.

April 2019 - Kickoff for the common area with focus on the problems in the Baltic and our local coastline. Landowners in the catchment area Loftaån were specially invited

February 2020 - In one of the focus groups we talked about drinking water and protection of the common drinking water in. In the municipality it is proceeding a work with water from a new area to producing drinking water.

Plans for 2020 – Using the Waterdrive network and LEVA-network in Sweden to develop our model for working with water issues with landowners. The LEVA network involves 20 Swedish regions with catchment officers like in Västervik. We will develop the using of digital maps for localization of measures.

More information about are focus groups presents in a special report about the focus groups in Västervik 20200305.