

#### **WaterDrive**

#### **Investment plans and results**

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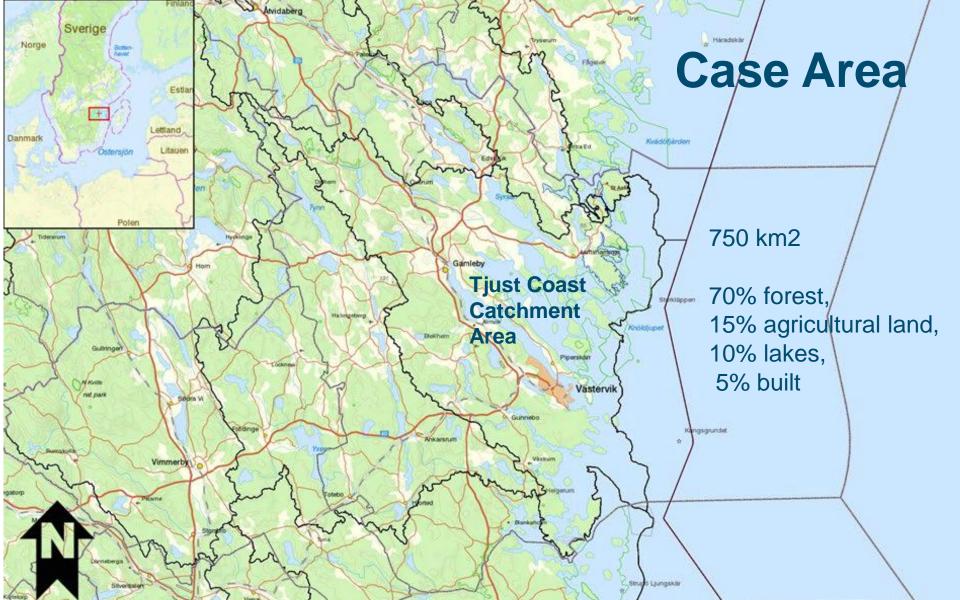


## Status about the work in the Waterdrive case area

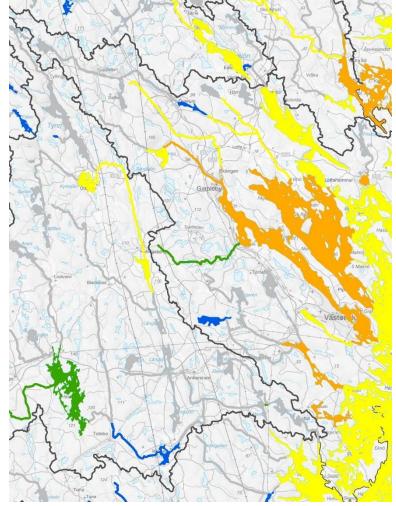
- Investment and Implementation plans
- Calculation of costs of environmental measures
- Cooperation structures in case area









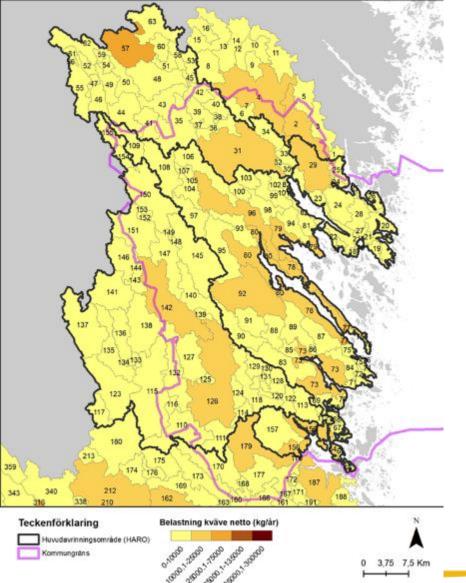


# Case Area VISS Status Classification 2016 Nutrients

- High
- Good
- Moderate
- Unsatisfactory
- Bad







#### 1. Modelling/GIS

- Nutrient load nitrogen and phosphorus
- Nutrient sources
- 2. Monitoring
- 3. Priority need for actions









#### Loftaån

- åtgärdsplan 2018-2021



Kommunstyrelsens förvaltning, Enheten för samhällsbyggnad

### **Investment and Implementation plans**

Catchment area perspective

**Local plans** 

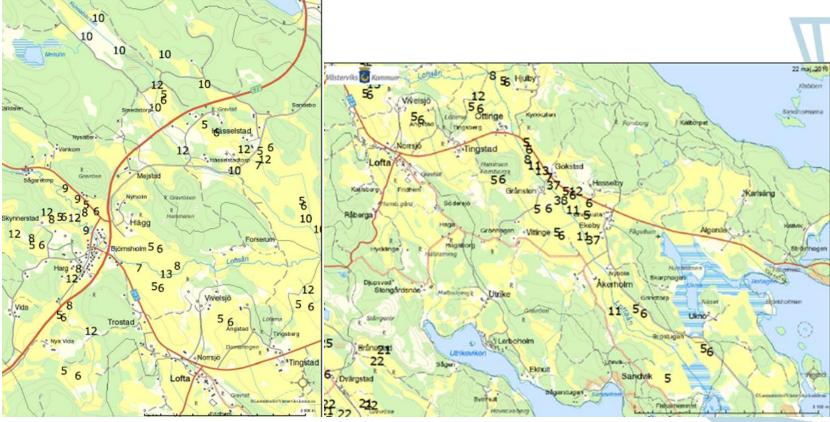
Focus on Agriculture
- Measures and
development

















#### Cost measures in catchment area 2018 - 2020

Measure	Areal	P decrease kg/year	Year	<b>Costs Euro</b>
Structure liming	500 ha	100	2018-2020	400 000
Small wetlands	12 ha	120	2019-2020	240 000
P-ponds	1 ha	<b>70</b>	2020	30 000
Soil mapping	850 ha	128	2019-2020	17 000
Bevelling ditches	1500 m	25	2020	37 500
Two stage ditches	1500 m	390	2020	<b>75 000</b>
Filter ditches	30 ha	30	2020	150 000

+ Project Management

100 000 Euro

**Total sum: 1 million Euro** 







#### Implemented and planned measures





# Calculation of costs of environmental measures – reality

Soil mapping	20	Euro/ha
Structure liming	800	Euro/ha
Wetlands	20 000	Euro/ha
Phosphorus pond	30 000	Euro/ha
Ecological functional zones	45	Euro/m
Lime/biochar filtration ditches	5000	Euro/ha
Woodchips filtration ditches	3000	Euro/ha
Two step ditches	<b>50</b>	Euro/m
Bevelling ditches	25	Euro/m
Protection zones	500	Euro/ha
Adapted groundwater surface	1500	Euro/ha







# Cooperation structures - Catchment officer in the municipality

- Close contact with farmers
- Close contact with local authorities
- Advice
- Financing LONA, LOVA, Leader, etc.
- Contact with other authorities and academia
- Monitoring
- Planning, design
- Reporting, information







# From investment plan to implementing measures

- Initial dialog Catchment area
- Local plan in collaboration with landowners/SWOT
- Financing including landowners
- Agreement
- Procurement
- Implementation
- Final inspection
- Monitoring





