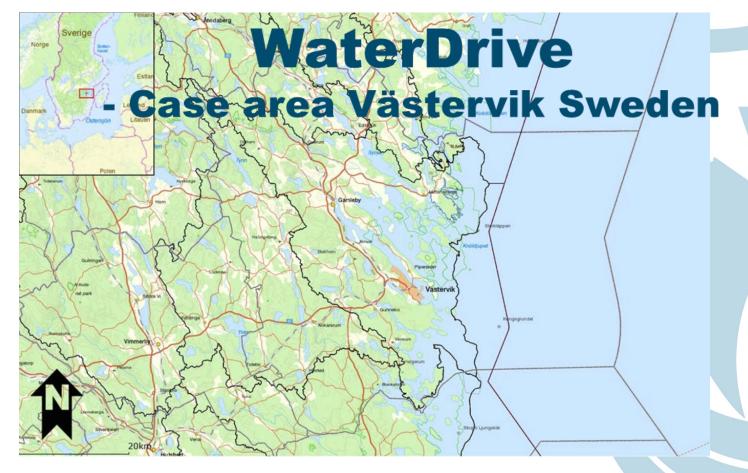


2020-05-29



STØTTET AF

Promilleafgiftsfonden for landbrug



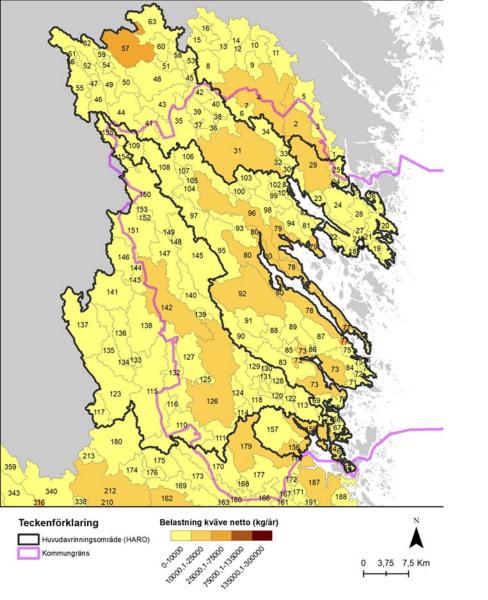




The Västervik method

- Comprehensive Action plan
- 2. Kick off meetings in sub-areas with focus groups
- 3. Create interest in measures and find interested landowners
- Individual advice Choice of measures and location in cooperation with farmers,
 SWOT analyses. Multifunction in focus.
- 5. Help with design of measure, contact with entrepreneurs, and government contacts
- 6. Applications of (national and regional) grants for measures in cooperation with landowners





Modelling in a large scale



SWOT analysis On field - meeting with landowners and farmers

- 1. Optimize the plant environment by efficient nutrients use (advice, adapted crops, increased root growth, adapted fertilization and improved soil structure)
- 2. Keep the nutrients in the soil profile (reduces erosion, reduce soil compaction, improve soil structure, increase soil fertility)
- 3. Stop the load of nutrients before it reaches the sea (sedimentation ponds, wetlands)



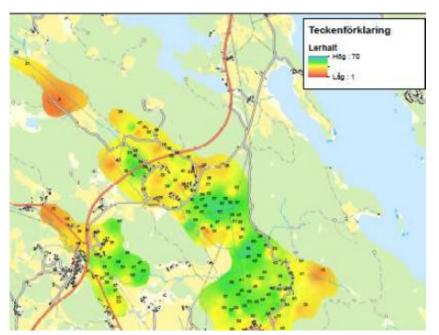


Better water quality
Higher agriculture production
Circular economy
Public awareness

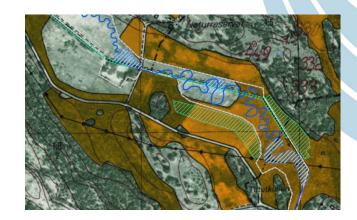


GIS analyses and Soil mapping











Structure liming





Wetlands and phosphorus ponds





Two step ditches





Filter ditches (lime and biochar)





Lofta River Measures planned 2018-2021

Measure	Areal	P decrease	Year	Costs Euro
Soil mapping	850 ha	130	2019-2020	40 000
Structure liming	550 ha	85	2019-2020	350 000
Small wet-lands and	10 ha	100	2019-2020	200 000
Phosphorous ponds				
Bevelling ditches	50 ha	40	2020-2021	250 000
Two stage ditches	500 meter	130	2020-2021	125 000

+ Project management, monitoring etc

100 000 Euro

Area

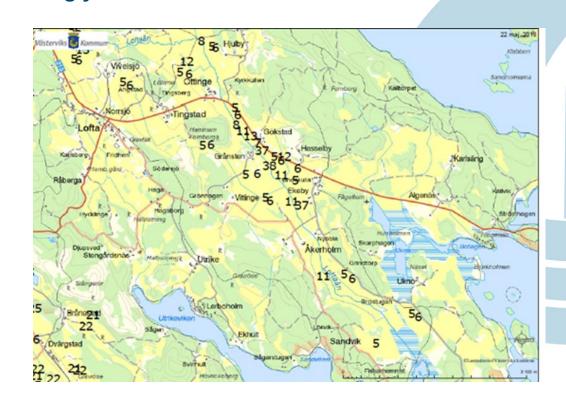
ha

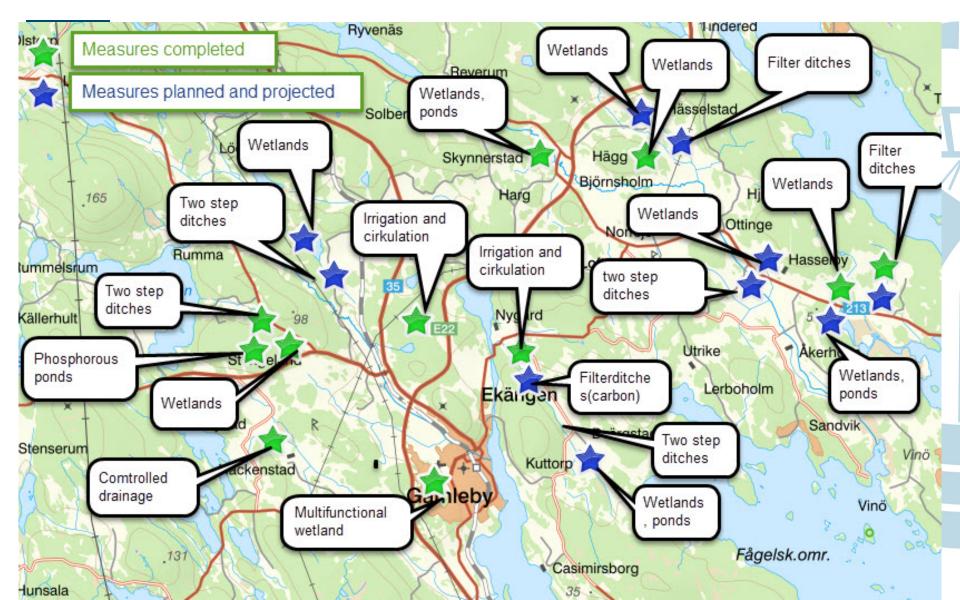
Farmland 2 700 ha

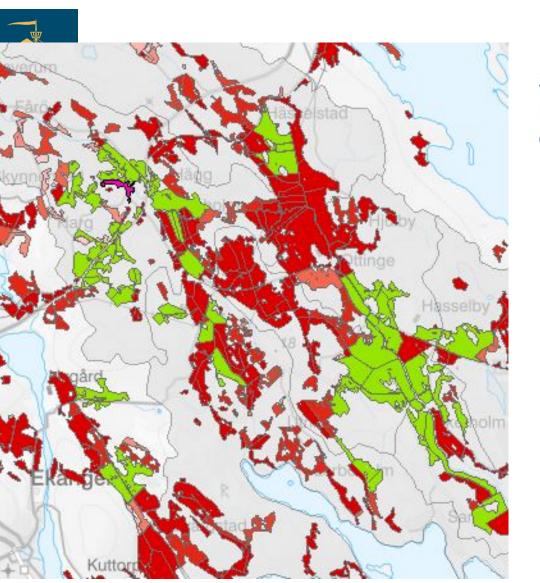


Lofta River Implementation of measures

Measure 2018/19	Areal	P decrea	se kg/year
Soil mapping	600 ha	110	Wästerviks Kommun
Structure liming	450 ha	70	West 56
Small wet-lands Phosphorous ponds	4 ha	40	Lofta Frident Fromtagelau
Filter ditches	0 meter		Ráberga
Two stage ditches	0 meter		200







Structure liming
Red = possible fields - planned
Green = measures completed



Västervik Case area Measures planned 2021-2024

Measure	Total	P decrease kg/y	Lofta	Gby	St	Во
Structure liming	1150 ha	180	550	400	350	350
Small wet-lands and Phosphorous ponds	25 ha	250	10	4	7	7
Filter ditches	50 ha	1600	50	50	50	50
Two stage ditches	9 km	2340	1 km	3 km	3 km	2 km
Irrigation and circulation	670 ha	2000		250 ha		420 ha

