

Sweden	Finland	Norway
1. Construction or upgrades of wastewater treatment plants beyond the requirements of the Directive on Urban Waste Water Treatment		
<i>Better treatment in wastewater treatment plant</i> All measures , More information - Swedish	New water treatment works	Zero discharges to designated water bodies and transefer of wastewater to more robust recipients
Construction of wetland at wastewater treatment plant All measures , More information - Swedish	New wastewater transfer pipes	Regulation of the use of copper and zink from roof drainage systems
Install chemical P precipitation for storm water All measures , More information - Swedish	Extending sewerage to the planned areas	Control of industrial connections
Pump to more efficient wastewater treatment plant All measures , More information - Swedish	Maintenance and operation of the sewerage system ¹	Infiltration and local handling of storm water
Increased P-precipitation in wastewater treatment plant (unspecified) All measures , More information - Swedish	Chemical and oil containers	Treatment of contaminated snow
Increased N-precipitation in wastewater treatment plant (unspecified) All measures , More information - Swedish	New on-site wastewater treatment systems in rural areas	Every municipality must have a Master Plan for upgrading the wastewater system
Increase treatment of P to 0,1 mg/l at the wastewater treatment plant All measures , More information - Swedish	Operation and maintenance of current on-site systems in rural	
	New on-site wastewater treatment systems for holiday homes	
	Operation and maintenance of current on-site systems for holiday homes	
	Extending sewerage to rural areas	
	Training and guidance	
2. Reduce nutrient pollution in agriculture beyond the requirements of the Nitrates Directive		
<i>Measures for ditches</i>	Plant cover	Grassed waterways

All measures, More information - Swedish		
Ditch cleansing in environmental friendly way All measures, More information - Swedish	Wetlands	Mineral fertilizer, fertilization planning
Two step ditches All measures, More information - Swedish	Training and guidance	Manure storage, silage effluent and other point sources
<i>Drainage of agriculture and forest</i> All measures, More information - Swedish	Improvements in manure processing	Manure, sludge etc
Lime filter ditches All measures, More information - Swedish	Management of nutrient load	Reduced tilling
<i>Cattle manure handling/distribution</i> All measures, More information - Swedish	processing of manure	Decreased leakage of nitrogen by catch crops
Decrease of P leakage when distribution of cattle manure All measures, More information - Swedish	Buffer zones	Vegetation zones
<i>Soil processing and improvement of structure</i> All measures, More information - Swedish	Controlled subsurface drainage	Grass on fields with high erosion risk
Structural liming of cropland All measures, More information - Swedish	Measures in groundwater areas	Constructed wetlands (phosphorus and sediments)
Spring plowing All measures, More information - Swedish	Manure storage and exercise yards	<i>Reduced point sources of nutrient/organic matter (sugar kelp)</i>
<i>Environmental protective measures according to rural development support</i> All measures, More information - Swedish	<i>Ecological area of greening measures</i>	Abatement measures in industry to reduce nutrient and organic matter (sugar kelp)
<i>Decreased leakage of nitrogen with catch crops</i> All measures, More information - Swedish		Measures to reduce phosphorus leakage
<i>Buffer zone cropland</i> All measures, More information - Swedish		Restoration of agricultural drainage systems
Adapted buffer zone cropland All measures, More information - Swedish		Agricultural drainage systems measures
Buffer zone cropland, grassland unharvested All measures, More information - Swedish		Conduct an audit of agriculture under § 29 of the Regulation on organic fertilizer products
Buffer zone cropland, grassland unharvested, 0-2 meters distance All measures, More information - Swedish		<i>Environmental measures in forestry</i>

Buffer zone cropland, grassland unharvested, 2-6 meters distance All measures , More information - Swedish		
Buffer zone cropland, grassland unharvested, 6-10 meters distance All measures , More information - Swedish		
Buffer zone cropland, grassland unharvested, 10-15 meters distance All measures , More information - Swedish		
Buffer zone cropland, grassland unharvested, 15-20 meters distance All measures , More information - Swedish		
<i>Lay farming in plain landscape (according to rural development support)</i> All measures , More information - Swedish		
<i>Wetlands</i> All measures , More information - Swedish		
Wetlands - phosphorous ponds All measures , More information - Swedish		
Wetland for nutrient retention All measures , More information - Swedish		
3. Reduce pesticides pollution in agriculture		
Agriculture without pesticides All measures , More information - Swedish	Decreased use of pesticides	
4. Remediation of contaminated sites		
<i>Remediation of contaminated sites</i> All measures , More information - Swedish	Contaminated areas	Freeze dredging
Freeze dredging All measures , More information - Swedish	Traffic	Mechanical dredging
Dredging of contaminated sediments, deposits on land All measures , More information - Swedish	Earth materials extraction	Mechanical dredging with open dredge
Bulldozing of contaminated soil All measures , More information - Swedish	Protection plan	Mechanical dredging with closed dredge

Measures for contaminated buildings and infrastructure All measures , More information - Swedish	Monitoring and mapping	Hydraulic dredging
Destruction of pollutants on site		Removal of contaminated sediments. Transport to approved disposal site
Pump and treat All measures , More information - Swedish	Contaminated areas	disposal site
	Traffic	Near shore confined disposal site
	Earth materials extraction	Confined disposal sites in shallow or deep water conditions
		Acceptable deposition of contaminated soil
		concrete mattress/sheets
		Capping of contaminated sediments
		Thin-layer capping
		Thin-layer capping of contaminated sediments
		Capping of contaminated sediments
		Capping and covering
		Actionplan for remediation of contaminated sediments based on risk assessment analysis
		Authorize a license to clean-up contaminated sediments
		Authorize a license to clean-up contaminated soils, dumping of contaminated sediments and other materials
		Ensure remaining soil pollution from dispersing after an action plan is prepared
		Monitore possible dispersion of pollution
		Treatment (Chemical or biological) of contaminated sediments
		Traditional measures

		Treatment plant/ treatment facilities
5. Improving longitudinal continuity		
Change of regulation for water site All measures , More information - Swedish	Constructions of fish ways and other structure that easier the passage of the biota (technical fish way, by-pass channel, structures that easier the downstream migration)	<i>Change flow regime</i>
<i>Fish ladder/demolishing of dam</i> All measures , More information - Swedish	Dismantling of dams	Ensure minimum flows
Fishpath All measures , More information - Swedish	Dismantling of submerged weirs or increasing the passage	Establish environmental flows
Ecological adapted fishpath All measures , More information - Swedish		Variable driftsvannføring
Change of road culvert All measures , More information - Swedish		<i>Fish pass</i>
Technical fishpath All measures , More information - Swedish		Ecological adapted fishpath
Technical fishpath for downstream passage All measures , More information - Swedish		Change road culvert
Eel spawn path All measures , More information - Swedish		Technical fishpath (fisketrapp)
Demolishing of fish stop All measures , More information - Swedish		Technical fishpath for downstream passage
Demolishing of dam All measures , More information - Swedish		Transport fish (car, lift etc.)
		<i>Measures at the intake or outlet</i>
		Manage sluice and weir operation for fish migration upstream
		Manage sluice and weir operation for fish migration downstream
		Removing barriers

6. Improving hydromorphological conditions of water bodies other than longitudinal continuity		
<i>Biotope care</i> All measures , More information - Swedish	Raising the water level	<i>Biotope care in rivers,</i>
Restoration of rinsed and straightened river All measures , More information - Swedish	Raising the low-water levels	Open up side channels, remainder water courses
Restoration of log-driving paths All measures , More information - Swedish	Restorations of dry and low-water channels	Recreate gravel bar and riffles (for spawning)
Exposition of rocks, boulders and spawning sand All measures , More information - Swedish	Restorations of spawning and rearing areas (main channel and side channels)	Raking the river bed
Ecological functional buffer zones All measures , More information - Swedish	Restorations of stream and current areas	Add rocks for sheltering
Restoration of culverted watercourses All measures , More information - Swedish	Onshore restorations (shore dredging, shore reformatting and landscaping, embankment transfer and reformatting)	Add dead wood for sheltering
Construction of lateral watercourses All measures , More information - Swedish	Erosion and shore protection (small-scale dismantling of the shore protection, suisteet, shore protection using biological methods, landslide shore protection using ecological methods)	Clearing or establishing vegetation
<i>Lake restoration</i> All measures , More information - Swedish	Dredging	Establish groynes (buner)
Deposition of P med Aluminium salt All measures , More information - Swedish	Submerged weir/Artificial stream	Establish weirs
		Remove barriers (culverts, weirs etc.)
		Narrowing water courses
		Establish shelters for dippers
		Changing the intake or outlet to prevent oversaturation of nitrogen
		<i>Regulating temperature</i>
		Regulating temperature, depth of intake
		Regulating temperature, different reservoirs
		<i>Lake restoration</i>

		Limits within the regulation
		Limited pace when lowering reservoir
		Seasonal variation in lowering reservoir
		Submerged weir in the reservoir
		Clearing or establishing vegetation
		<i>Measures to improve fish in reservoirs</i>
		Removing small fish
		Reestablishing local fish species
		Fish stocking
		Moving local species
7. Improvements in flow regime and/or establishment of minimum ecological flow		
<i>Hydrological restoration</i> All measures , More information - Swedish	Decreasing the winter drawdown	<i>Water flow downstream, hydropeaking</i>
Ecological flow All measures , More information - Swedish	Increasing the spring flood	Compensation reservoirs (utjevningsbasseng)
Minimum discharge in fish path at hydropower station. All measures , More information - Swedish	Guidelines for the summer waterlevel	Reduced hydropeaking
	Lowering the high water level	Bypass valve
	Restriction of hydropeaking	Building block water flow (sediment removal, fish spawning, fish going down)
	Increasing minimum flow	Large water flow with ice (removal of vegetation)
	Environmental flow (variation of flow)	
8. Water efficiency measures for irrigation, industry, energy and households.		
<i>Water abstraction measures</i> All measures , More information - Swedish	Water abstraction	
Less water abstraction All measures , More information - Swedish		

12. Advisory services for agriculture		
Advisory service All measures , More information - Swedish	Advisory services and training	Guidance to proper use of pesticides
13. Drinking water protection measures		
<i>Water protection area</i> All measures , More information - Swedish	Protection plans	<i>Water protection area</i>
		Possibility to make an objection
		Make a clause in special areas
		Hygienic barrier
		Restriction on grazing by livestock in pasture infields and outfields
		Traffic restrictions
		Not allow new settlement in the watershed
		Install lifting gates /barrier on roads in outfields and forest
14. Research, improvement of knowledge base reducing uncertainty.		
<i>Knowledge strengthening activities</i> All measures , More information - Swedish	Monitoring and mapping	Investigative monitoring
Operational monitoring All measures , More information - Swedish	Several policy measure exist in this area	Information, guidance and competence building
Investigative monitoring All measures , More information - Swedish		Holdningsskapende arbeid
Investigative studies All measures , More information - Swedish		Informasjon, veiledning og kompetansebygging
<i>Knowledge distribution</i> All measures , More information - Swedish		Oppdatert veildning for dumping, mudring, utfylling i sjø,vann og vassdrag

Information All measures , More information - Swedish		Informasjonsbrosjyrer og lignende
Education All measures , More information - Swedish		Kartlegging og registrering av avløp i spredt bebyggelse
<p>15. Measures for the phasing-out of emissions, discharges and losses of priority hazardous substances or for the reduction of emissions, discharges and losses of priority substances.</p>		
Stormwater measures All measures , More information - Swedish	Precision mapping of sulphate soil	phase-out/ reduction of priority substances
Stormwater ponds All measures , More information - Swedish	Control of drainage conditions	Regulation of priority substances
Groundwater measures - others All measures , More information - Swedish	Training and guidance	Prohibit and limit/restrict the use of priority substances including pesticides
Less usage of road salt All measures , More information - Swedish	drawing up risk management plans for accidents and disruptions, and developing environmental risk assessments, particularly for small and medium-size industrial companies	
Stormwater measures protecting groundwater All measures , More information - Swedish	improving information exchange on best available technology;	
Barriers All measures , More information - Swedish	developing the co-operation among the supervisory authorities responsible for occupational health, chemical safety, and environmental protection, and harmonising the work methods; and	
Infiltration of surface water All measures , More information - Swedish	identifying the emissions and discharges of substances dangerous to the aquatic environment and reducing these with the aid of environmental permits	
At site treatment as Pump and treat All measures , More information - Swedish		

<i>Reduction of emissions of toxic substances</i> All measures , More information - Swedish		
Construction of antifouling (boat bottoms) wash All measures , More information - Swedish		
16. Upgrades or improvements of industrial wastewater treatment plants (including farms)		
<i>Better treatment of phosphorous/nitrogen in the industry</i> All measures , More information - Swedish	<i>Better treatment of Nitrogen</i>	Regulate discharges of wastewater from industry
		Emission reduction measures in companies
		Regulate discharges of wastewater from industry (hazardous substances and nutrients)
		Reduce discharges from construction work (road construction)
		Water treatment during road construction
Övriga ej EU Key Type of Measures		
<i>Liming</i> All measures , More information - Swedish		Liming
Liming - by boat All measures , More information - Swedish		
Liming - by doser All measures , More information - Swedish		
Liming - by helicopter All measures , More information - Swedish		
Liming - by vehicle All measures , More information - Swedish		
Reversal of ashes All measures , More information - Swedish		
<i>Reduction of invasive foreign species</i> All measures , More information - Swedish		Coverage of water vegetation

Coverage of water vegetation All measures , More information - Swedish		Use of chemicals and decimation of fish stocks
Overfishing All measures , More information - Swedish		Actionplan against alien species
Overfishin with osier basket and fyke All measures , More information - Swedish		Eradication of alien species in an early stage of establishment, while occurrence of new species still is low and local
		Dewatering
		Eradication of <i>G. salaris</i> with use of rotenone
		Eradication of <i>G. salaris</i> with fish barrier
		Biological control
		Eradication of alien species - chemical treatment
		Prevent the spread of parasites/diseases - disinfection
		Harvest
		Containment/impoundment
		Chemical treatment using herbicides
		rinse ballast water
		Fish barriers against alien species
		Decimation of fish stock
		Decimation of alien species
		Intersectorial strategy against alien species
		Regulation of stocking of alien species
		Boundary control and quarantine
<i>Reduction of emissions from sewage from scattered households</i> All measures , More information - Swedish		Construction of treatment for untreated discharges
<i>Reduction of emissions from sewage from holiday cottages (non compliant) to municipal treatment plants</i> All measures , More information - Swedish		Upgrading of needed single house treatment plants.

Reduction of emissions from sewage from scattered households (normal to high) All measures , More information - Swedish		Construction of new mains to enable new connections
Reduction of emissions from sewage from scattered households (to high level) All measures , More information - Swedish		Build new pumping stations and new sewerage systems with connection of single house pipes
Reduction of emissions from sewage from scattered households (to normal level) All measures , More information - Swedish		Construction of new wastewater treatment plants, designed for calculated flow.
<i>Other measures - non specified in the measure library</i> All measures , More information - Swedish		Upgrading/renovation of old water supply network
		Extension of existing sewerage systems.
		Wastewater treatment plants Class A, 90% phosphorous and BOD ₅ removal
		Wastewater treatment plants Class B, 90% phosphorous removal and 70 % BOD ₅ -removal
		Wastewater treatment plants Class C, 60% phosphorous removal and 70% BOD ₅ -removal
		Develop Master Plans or action plans for single house discharges
		Wastewater treatment plants Class A, 90% phosphorous and BOD ₅ removal
		Wastewater treatment plants Class B, 90% phosphorous removal and 70 % BOD ₅ -removal
		Wastewater treatment plants Class C, 60% phosphorous removal and 70% BOD ₅ -removal
		Develop Master Plans or action plans for single house discharges

FORESTRY

	Basic water protection structures in ditch cleaning	
	Buffer zones for felling areas	
	Fertilisation buffer zones	
	Erosion control in forestry	
	Measures in groundwater areas	
	Improved water resources protection in ditch cleaning	
	Improved erosion control in forestry	
	Improved planning for water resources protection	
	Measures in groundwater areas	
	Training and guidance	

RESTORATION

	Restocking and payment obligations	Restore Littoral zone (road construction)
	Rehabilitation of large eutrophic lakes	
	Rehabilitation of small-scale eutrophic lakes	
	Rehabilitation of small eutrophic bodies of water	
	Improving the water retention capacity of catchment areas	
	Rehabilitation of Natura 2000 sites designated as special protection areas	
	Rehabilitation of coastal bays	
	Rehabilitation of river habitats	

PEAT PRODUCTION

	Chemical treatment	
	Overland-flow area (no pumping)	
	Overland-flow area with pumps (summer/year-round)	
	After-care of peat extraction areas	
	Basic structures in water resource protection	
	Regulation of flow rate	
	Increase in chemical treatment	
	Measures for groundwater areas	

FUR PRODUCTION

	Basic structures in water resource protection for the total production area	
	Fitting of impermeable flooring as part of outdoor pen renovation	
	Retrofitting of impermeable flooring for outdoor pens	
	Construction of wastewater systems for large farms	
	Construction of wastewater systems for small- and medium-sized farms	

AQUACULTURE

	Co-ordinating the implementation of the national aquaculture programme for 2015 and the river basin management plans;	Redskapsutforming og redskapsbruk
	Preparing the steering plans for fish farming locations by the end of 2010;	Overvåkning av strandsone og øvre vannlag

	Carrying out research on fish food and feeding systems used on fish farms, and developing them to reduce the environmental load; promoting the use of low-phosphorous dry foods and dry foods made of Baltic Sea fish; and developing and adopting farm types and wastewater treatment systems that promote water resources protection.	Høsting
		Aktsom bruk av legemidler og kjemikalier
		Overvåkning av risiko for genetisk interaksjon
		Forebygge rømming
		Gjenfangst ved rømmingshendelser
		Uttak av rømt oppdrettsfisk i sjø og elver
		Overvåkning av organisk påvirkning på standard bløtbunnslokaliteter og resipienter
		Alternativ overvåkning av organisk påvirkning ved av lokaliteter og resipienter der det er behov for det
		Overvåkning av andre miljøpåvirkninger fra akvakultur
		Stopp i nye lokalitetsklareringer og utvidelser
		Midlertidig reduksjon/opphevet av produksjon på oppdrettslokalitet
		Permanent reduksjon/opphevet av produksjon på oppdrettslokalitet
		Kontroll av lusenivå
		Reaksjoner og pålegg
		Oppretting av nasjonale laksefjorder
		Oppretting av nasjonale laksevasdrag
		Stille krav om rensing av utslipp for nye, ombygde og evt. eksisterende landbaserte oppdrettsanlegg

