

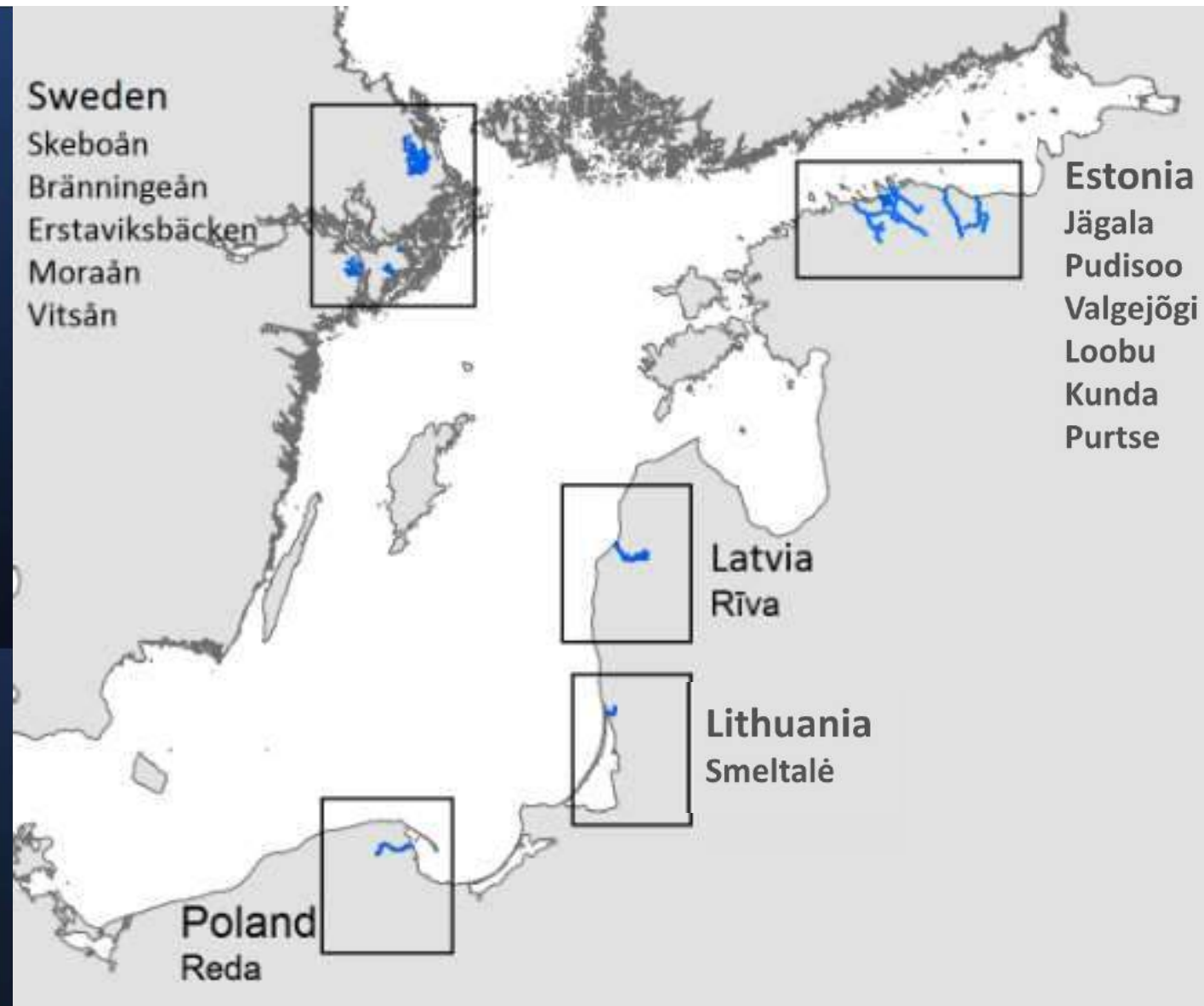
Retrout River Restoration Projects

Håkan Häggström

County Administrative Board of Stockholm



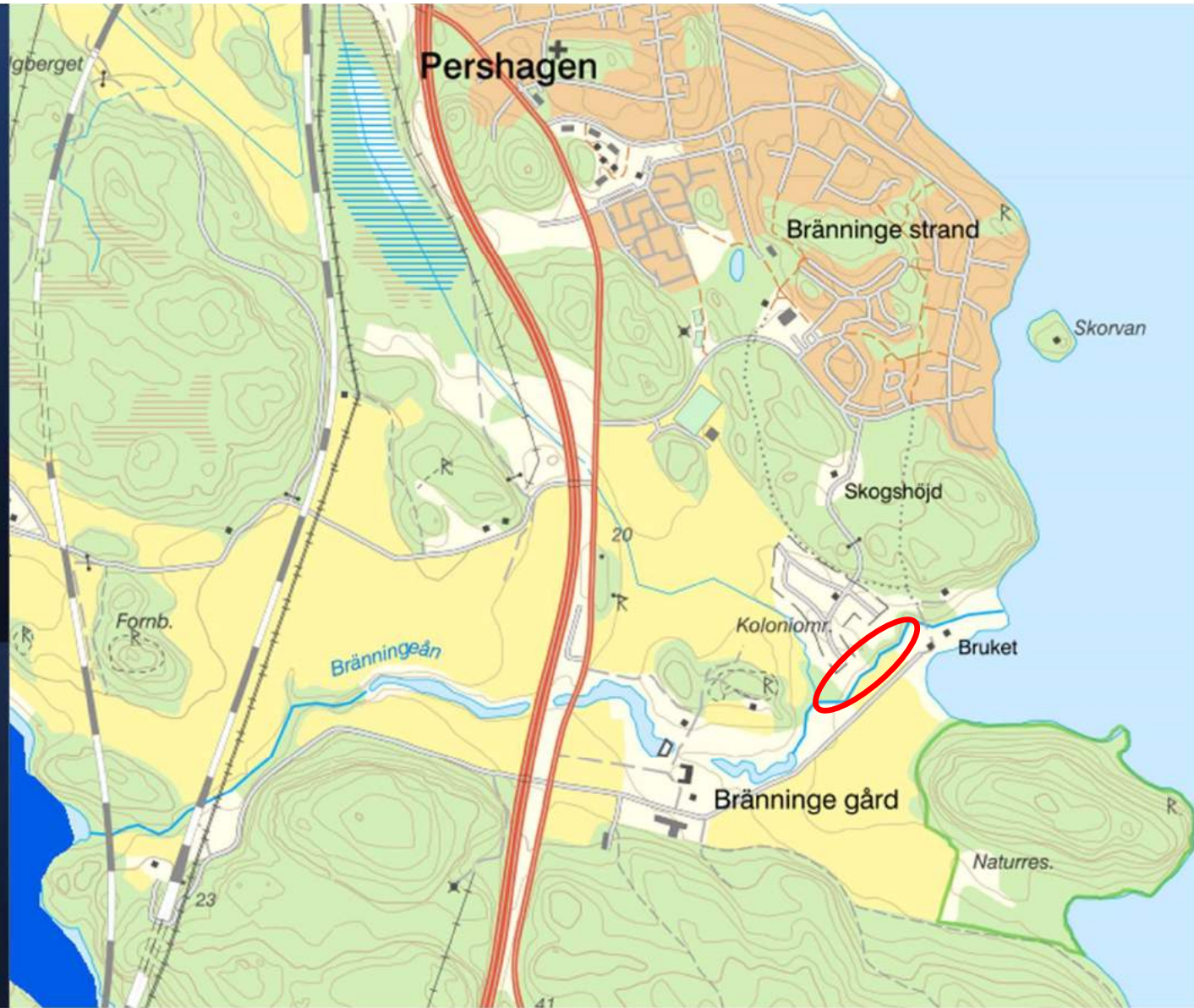
Introduction



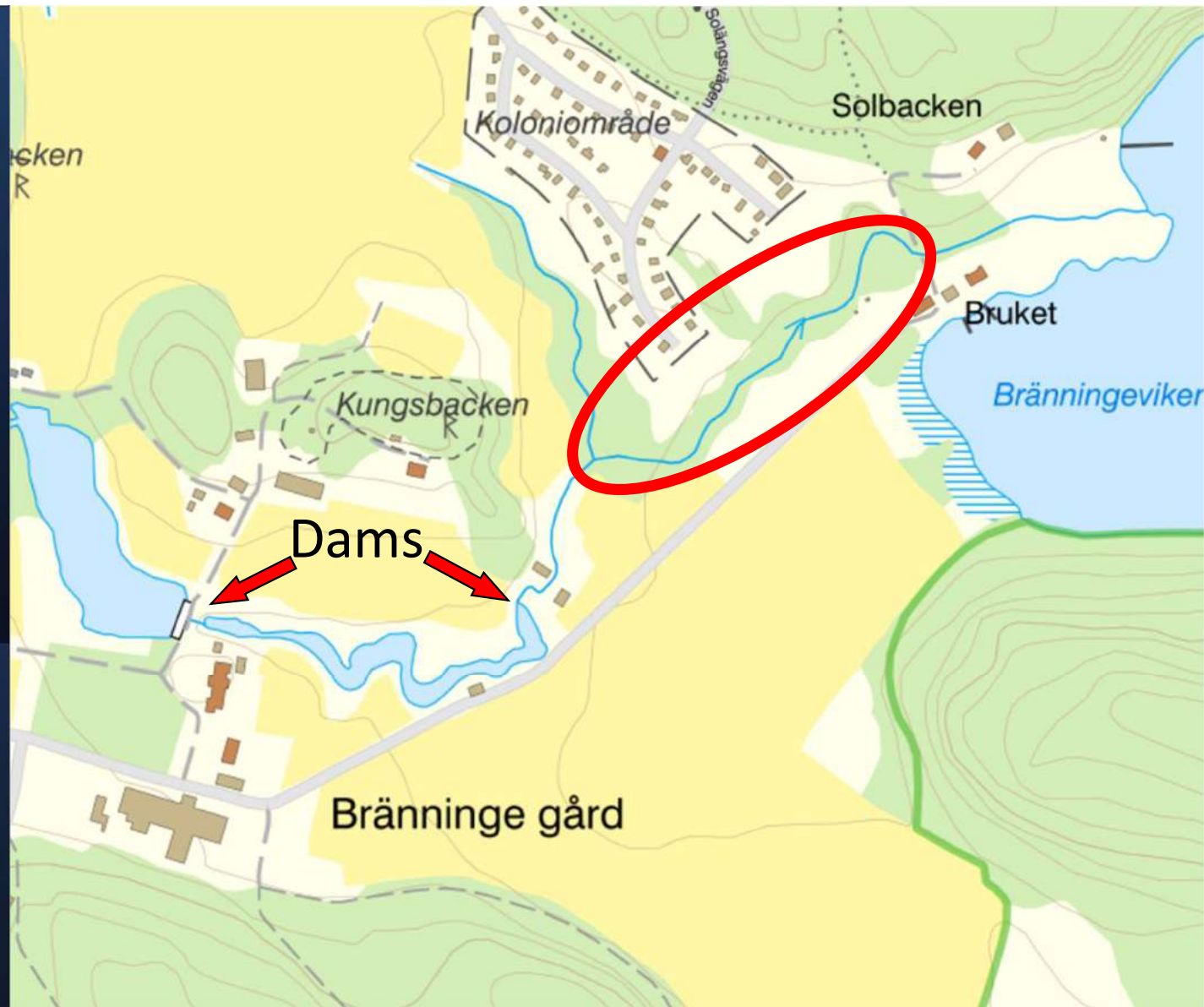
Sweden Bränningeån



Sweden Bränningeån



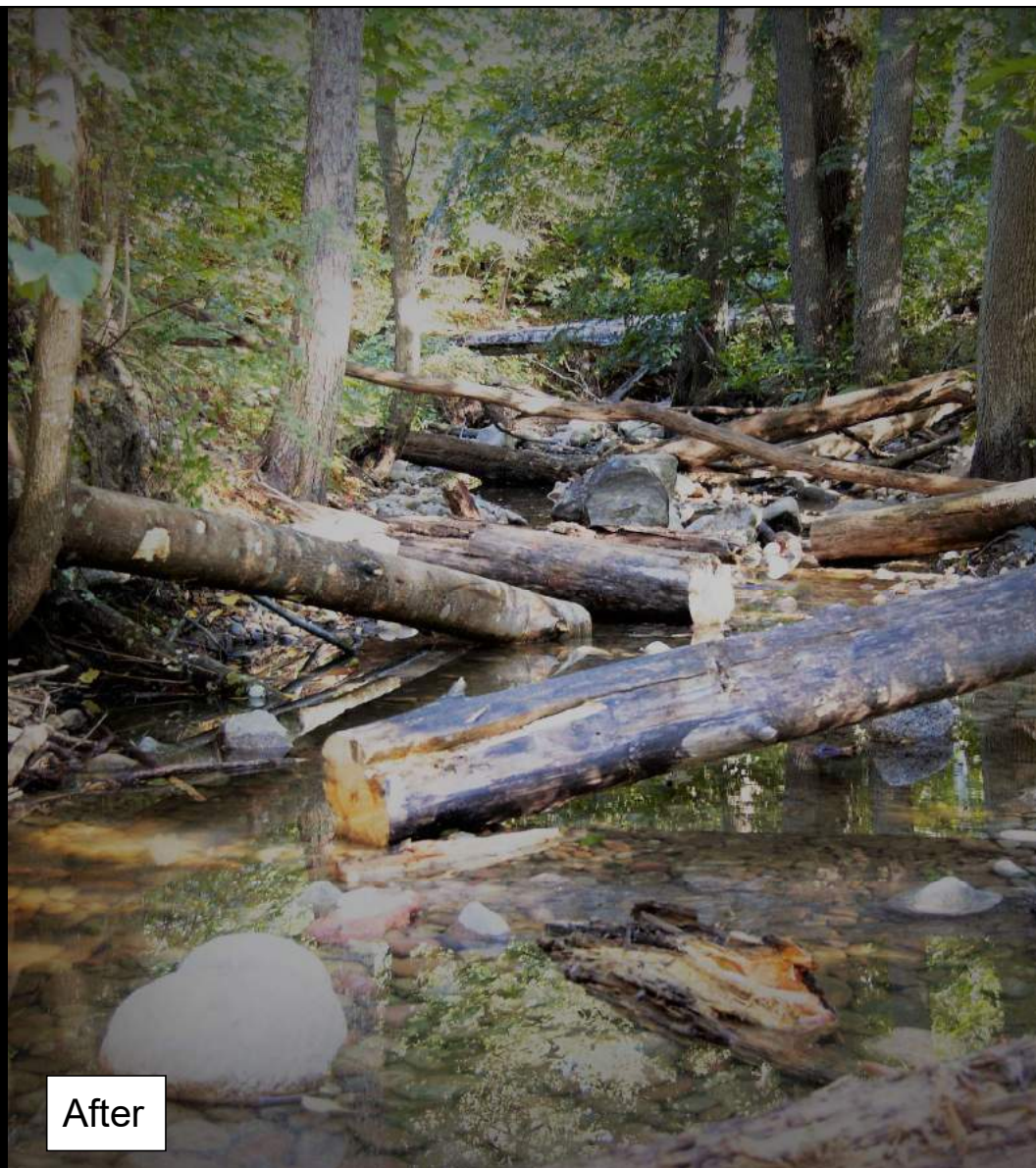
Sweden Bränningeån







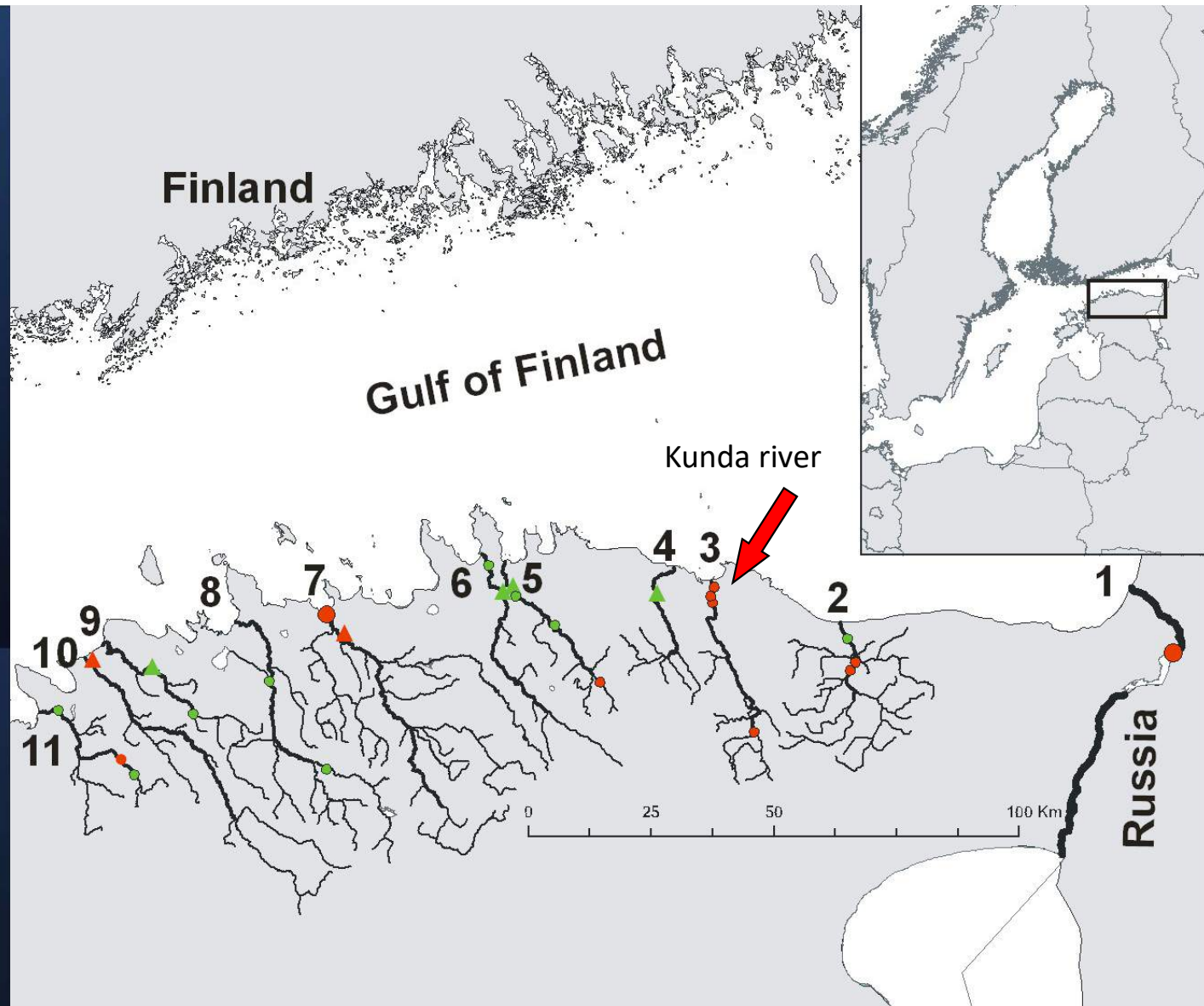




Sweden Bränningeån



Estonia Kunda river



Estonia
Kunda river

Hydroelectric power
station close to river
mouth

No water permit

Fish way mandatory

Negotiations underway



Estonia Kunda river

Second hydroelectric
power station

No water permit

Non-functioning fish lift

Negotiations underway



Estonia Kunda river

Second hydroelectric
power station close to
river mouth

No water permit

Non-functioning fish lift

Negotiations underway



Estonia Kunda river

Third dam, old mill

No water permit

Fish way mandatory

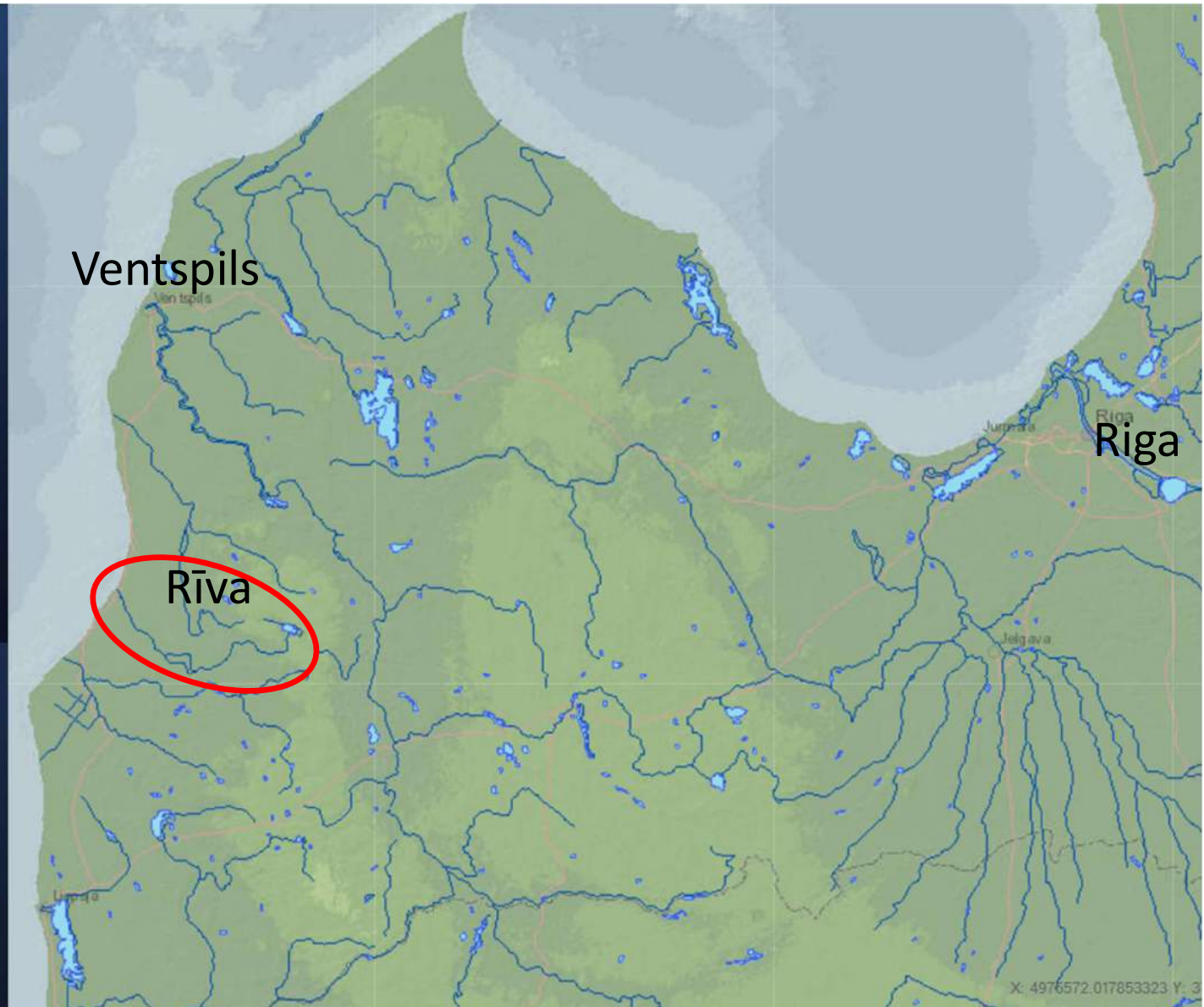
No cultural value

Negotiations underway



Latvia Rīva river

Natural trout population
Species rich river



Latvia
Riva river

Old paper mill close to
the river mouth



Latvia
Riva river



Latvia Riva river

Water is state owned
Land is private
Long-term lease



Latvia
Riva river



Latvia
Riva river



Latvia
Riva river



Latvia
Riva river



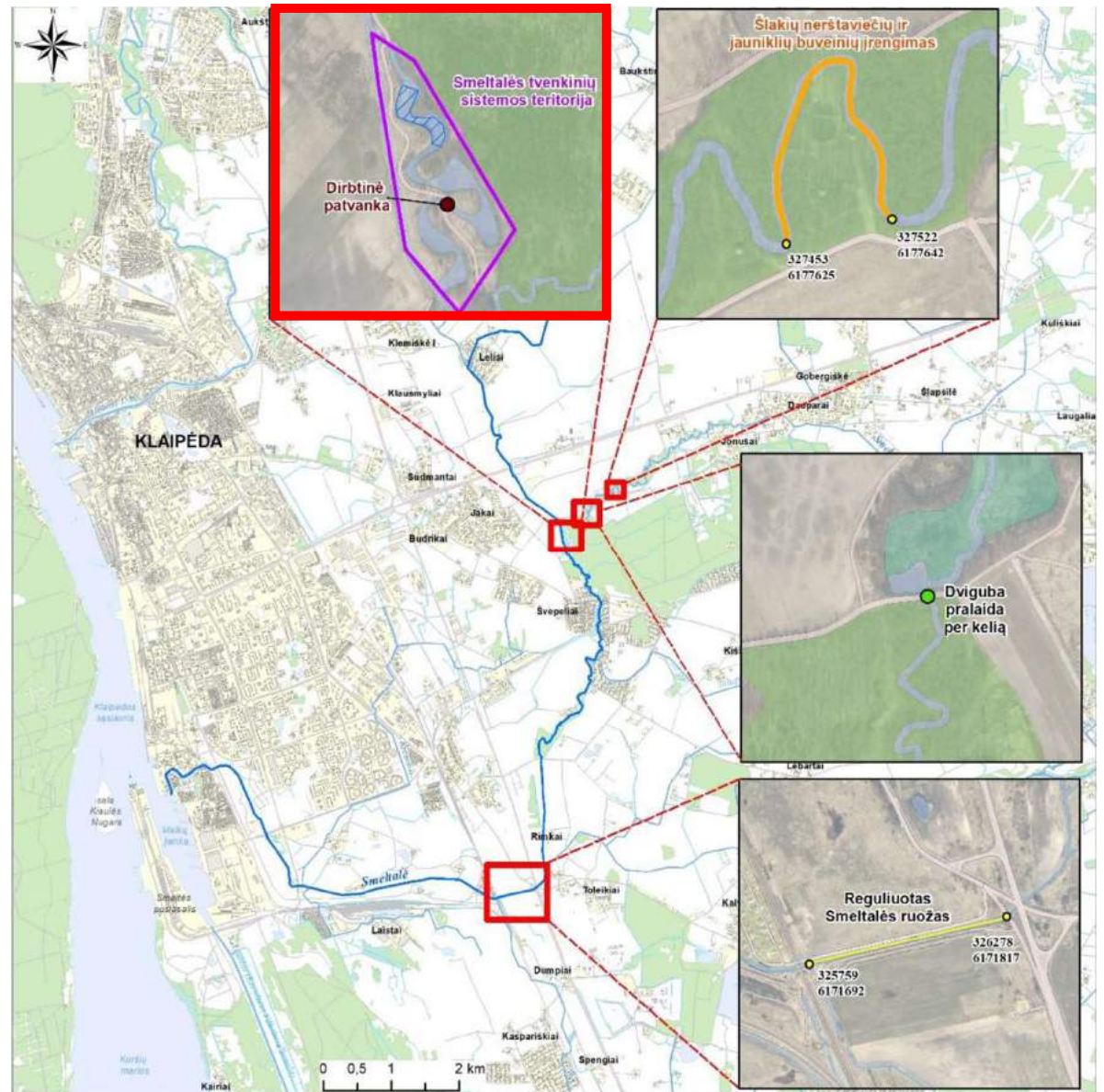
Latvia Riva river

Fish biological expertise
must continuously
monitor the process



Lithuania Smeltalė river

Restoration of biopond

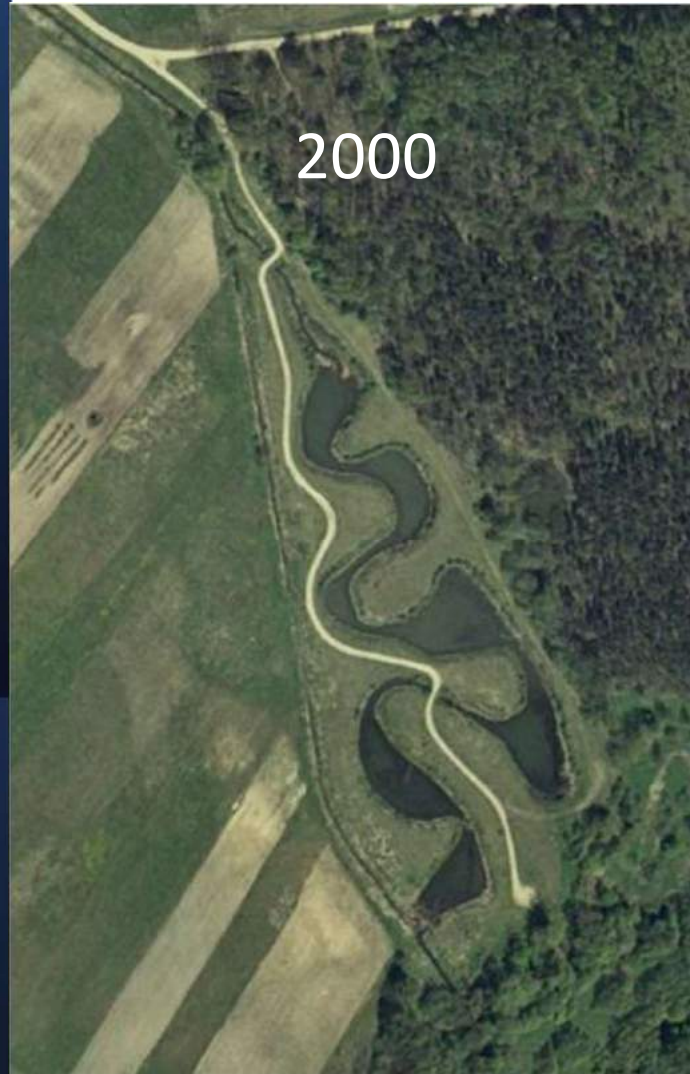


Lithuania Smeltalė river

Biopond for nutrient
reduction

Low efficiency – 1-4% of
TotP

Trout reproduction has
decreased



Lithuania
Smeltalė river

3300 m³ of muddy
sediment removed
Territory cleared

Before



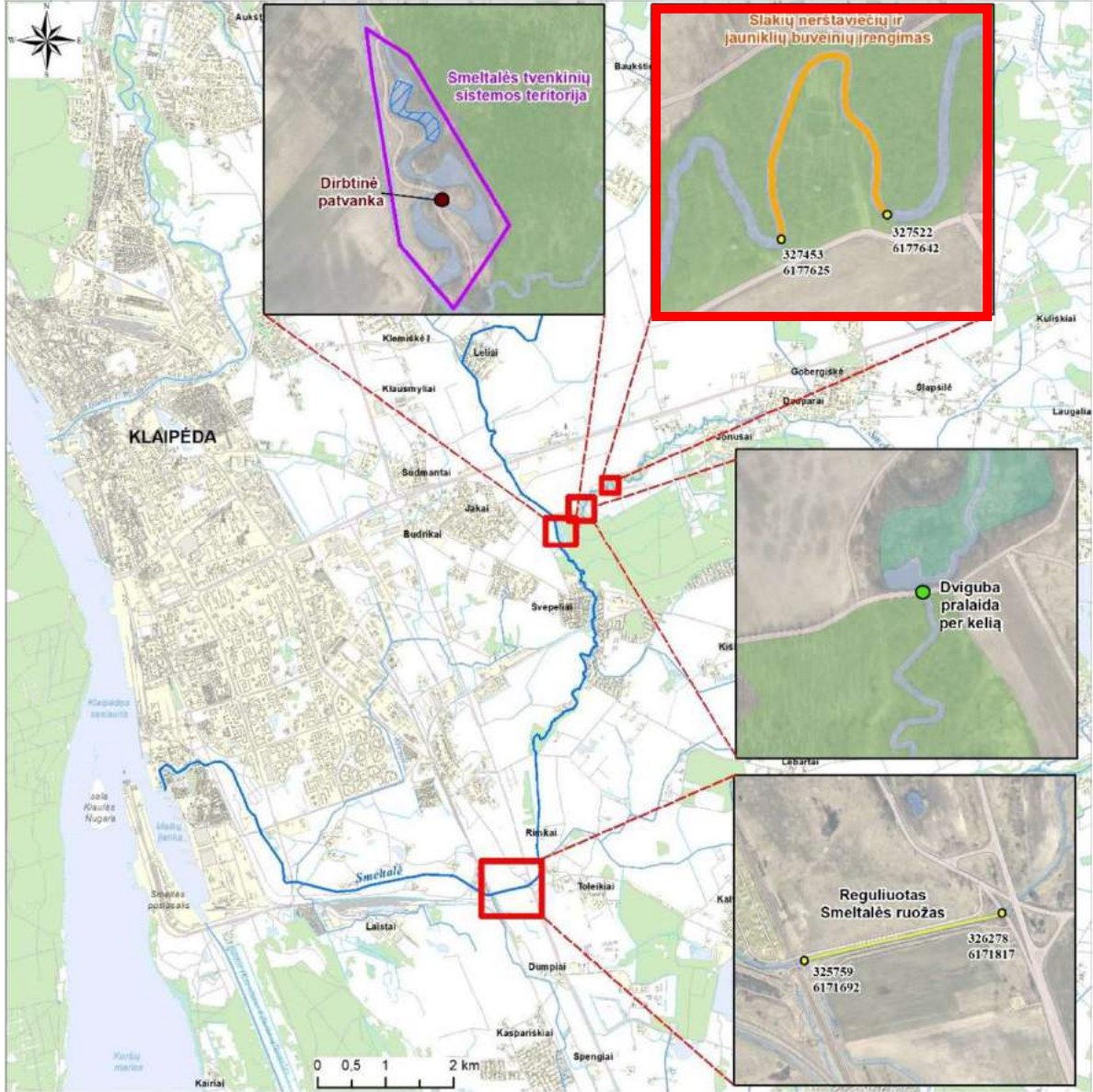
After



Lithuania

Creation of sea trout spawning and juvenile rearing habitats

Land is private, but water is state owned



Lithuania Smeltalė river

First ever creation of
spawning grounds in
Lithuania

Great success, 13
spawning redds in 60 m
of restored habitat

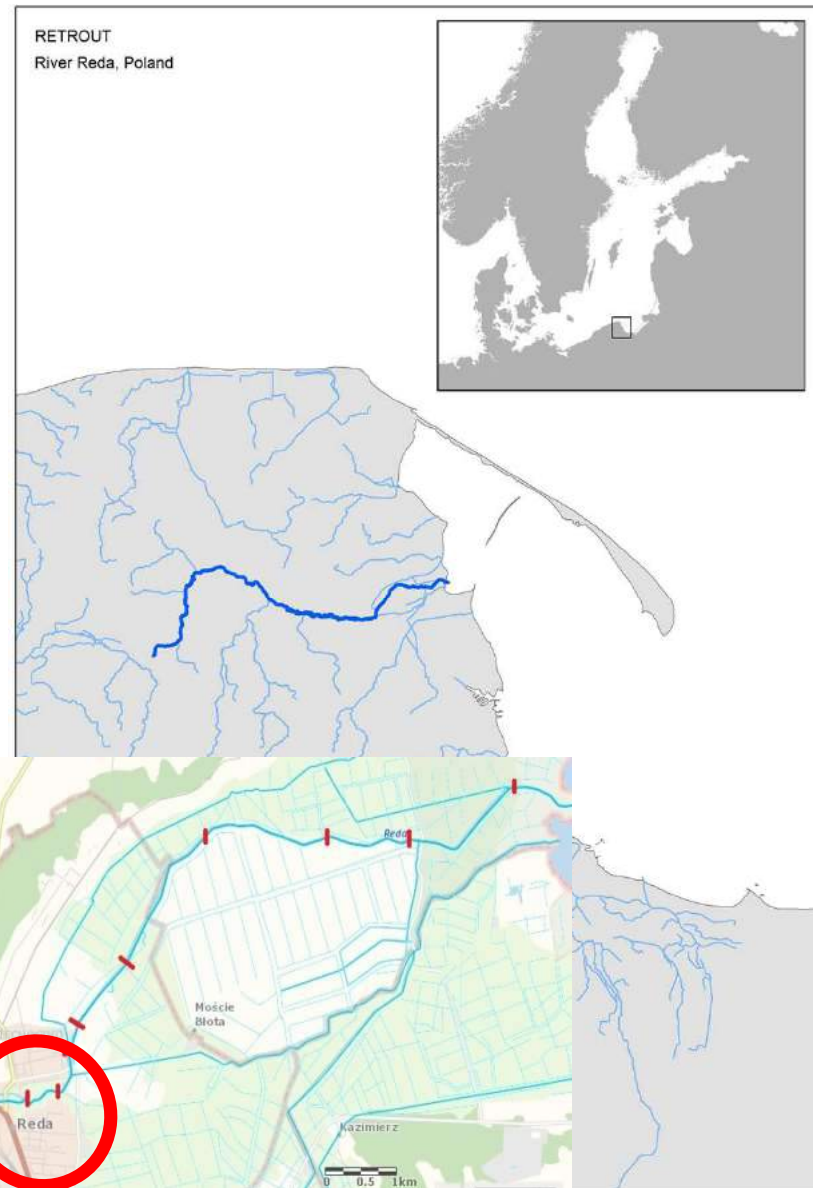
Trout spawning in the
middle of the park



Poland Reda river

Stocked

Species rich (sea trout,
graylings, perch, pikes,
sticklebacks, ground
gudgeons and
gudgeons)



Poland Reda river

Block access to
spawning grounds for
trout and salmon



Poland Reda river

Stone and wood ramp
Fish counter
(Hydroacoustic
Monitoring System)



Conclusions

Stakeholder involvement

Biological competence

Involve the public

