

Dam removal in river Nianån and river Gnärpsån

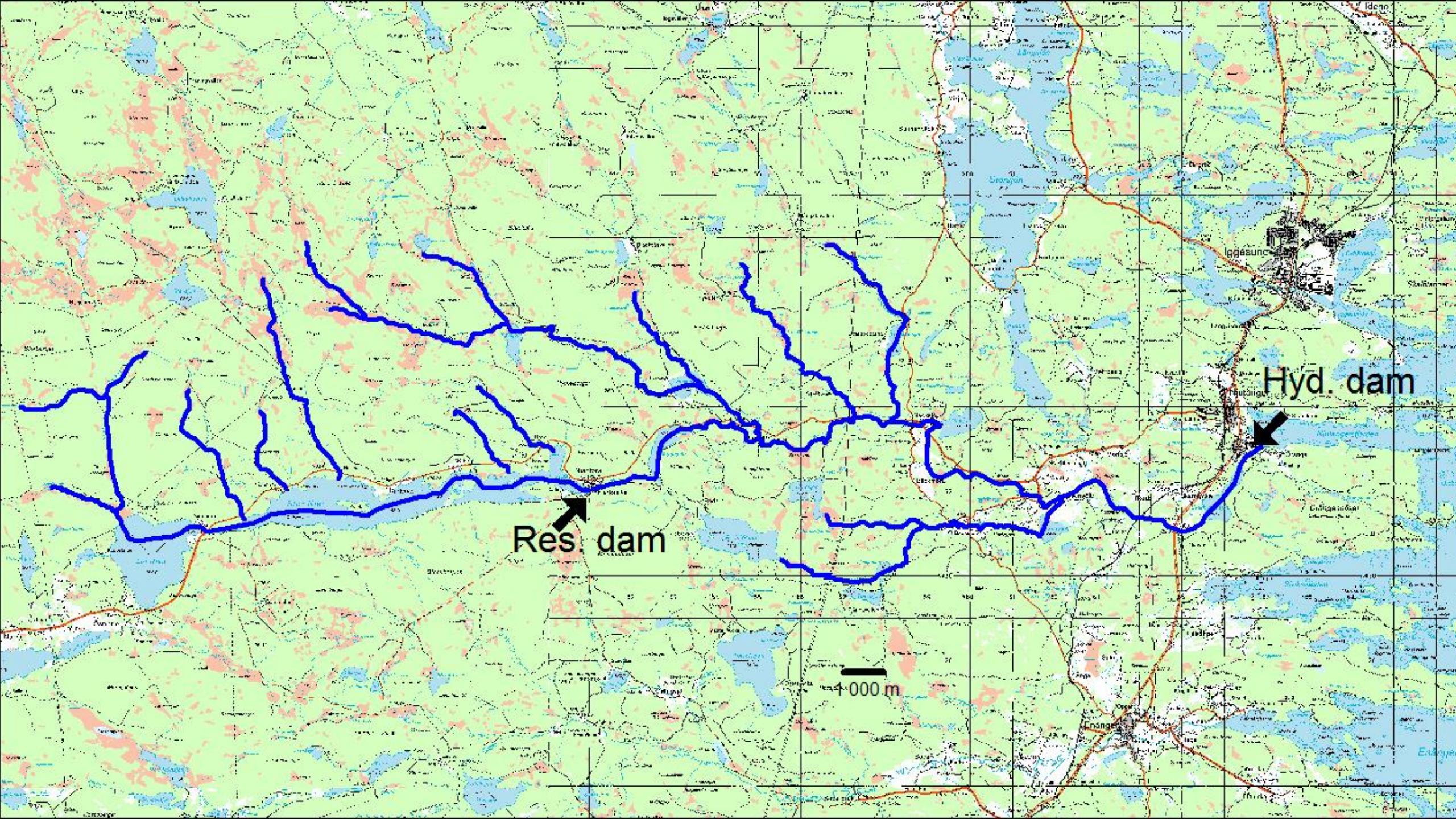




River Nianån

- Catchment area: 200 km²
- MQ: 1,9 m³/s
- Length incl. tributaries: 90 km
- Rep. area Brown trout: 181 400 m²
- Lakes: 41 (total area: 14,1 km²)
- Dams: 2 (hydroelectric + reservoir)

- Brown trout (*Salmo trutta*)
- Lamprey (*Lampetra fluviatilis*),
- Freshwater pearl mussel (*Margaritifera margaritifera*)
- European eel (*Anguilla anguilla*)
- Whitefish (*Coregonus lavaretus*)



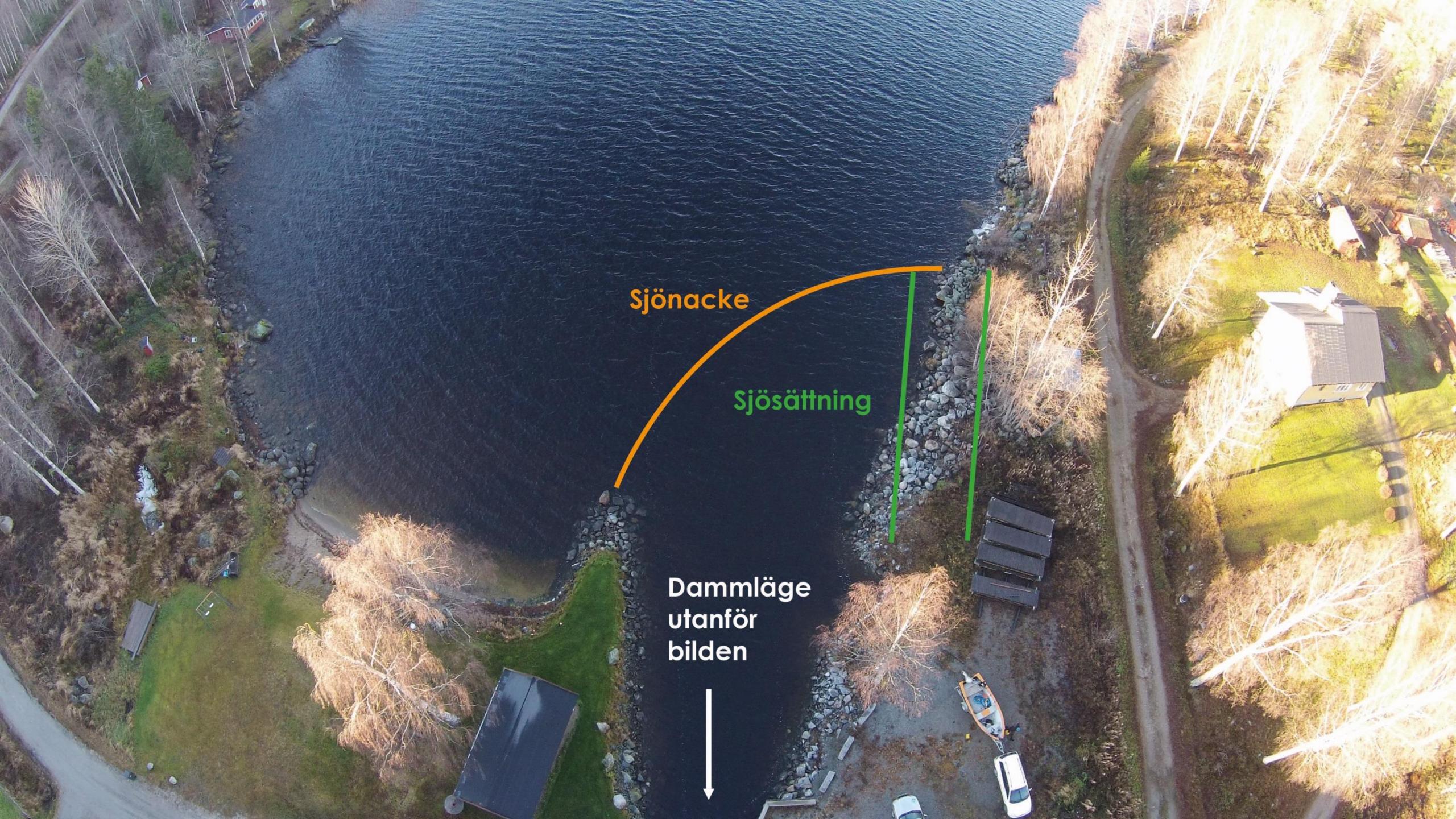
Sofieholm
580 kW
2,2 GWh/year
18,5 m











Sjönacke

Sjösättning

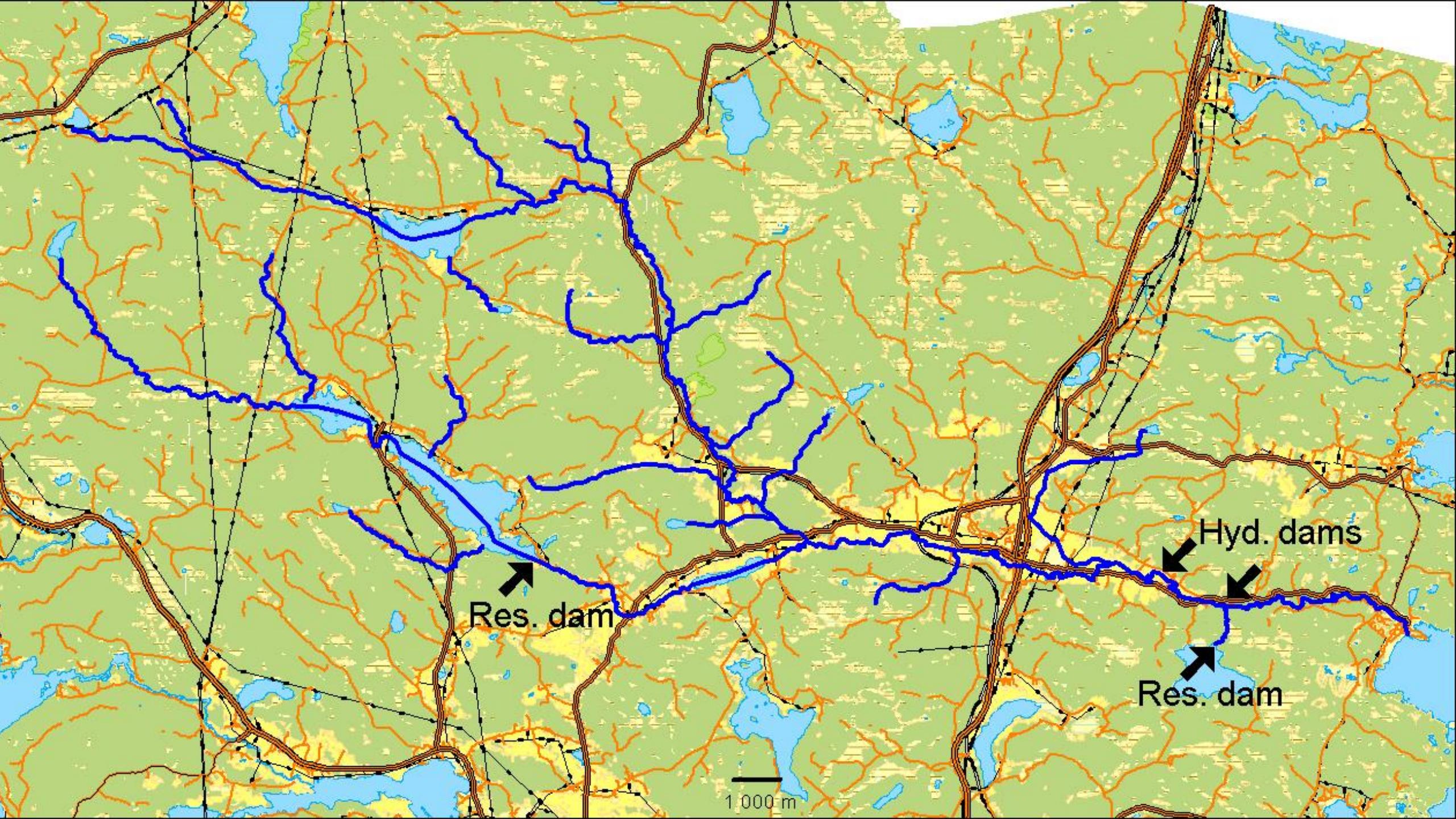
Dammläge
utanför
bilden



River Gnärpsån

- Catchment area: 229 km²
- MQ: 2,84 m³/s
- Length incl. tributaries: 120 km
- Rep. area Brown trout: 253 330 m²
- Lakes: 28 (total area: 7,3 km²)
- Dams: 4 (2 hydroelectric + 2 reservoir)

- Brown trout (*Salmo trutta*)
- Lamprey (*Lampetra fluviatilis*),
- Freshwater pearl mussel (*Margaritifera margaritifera*)
- Crayfish (*Astacus astacus*)
- European eel (*Anguilla anguilla*)
- Grayling (*Thymallus thymallus*)





Milsbro
120 kW
0,7 GWh/year
7 m



Gällsta
105 kW
0,6 GWh/year
5 m









Municipal restoration goals

- Biodiversity
 - Flourishing lakes, streams and marine environments
 - Local growth and jobs
 - Improve quality of life
-
- River Gnärpsån: Biotop protection area
 - River Nianån: Nature reserve
-
- Study: Fish migration and other studies with KAU and SLU

Financing

Total cost: 21 milj. SEK ~ 2,4 million USD

- Hudiksvall Municipality
- Nordanstig Municipality
- Swedish Environmental Protection Agency
- Swedish Agency for Marine and Water Management
- Miljöfonden, Bra Miljövals el
- Sportfiskarna, Ge fan i våra vatten
- EMFF (European Maritime and Fisheries Fund)



Havs
och
Vatten
myndigheten



Bra Miljöval

