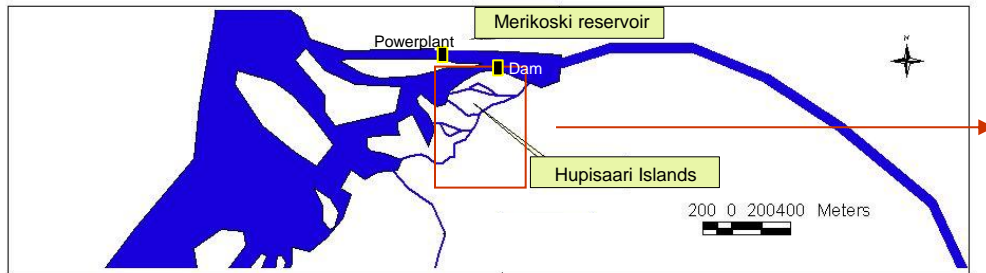
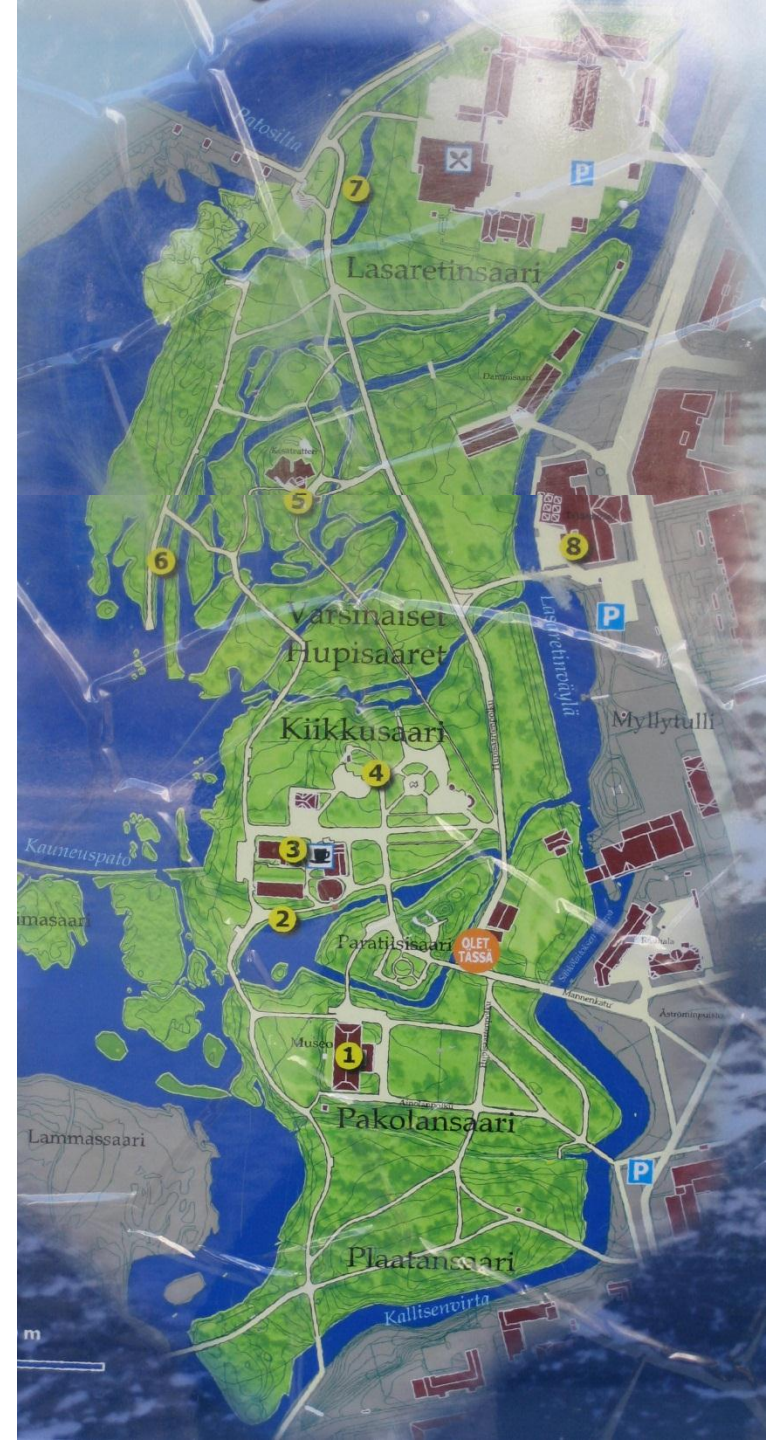
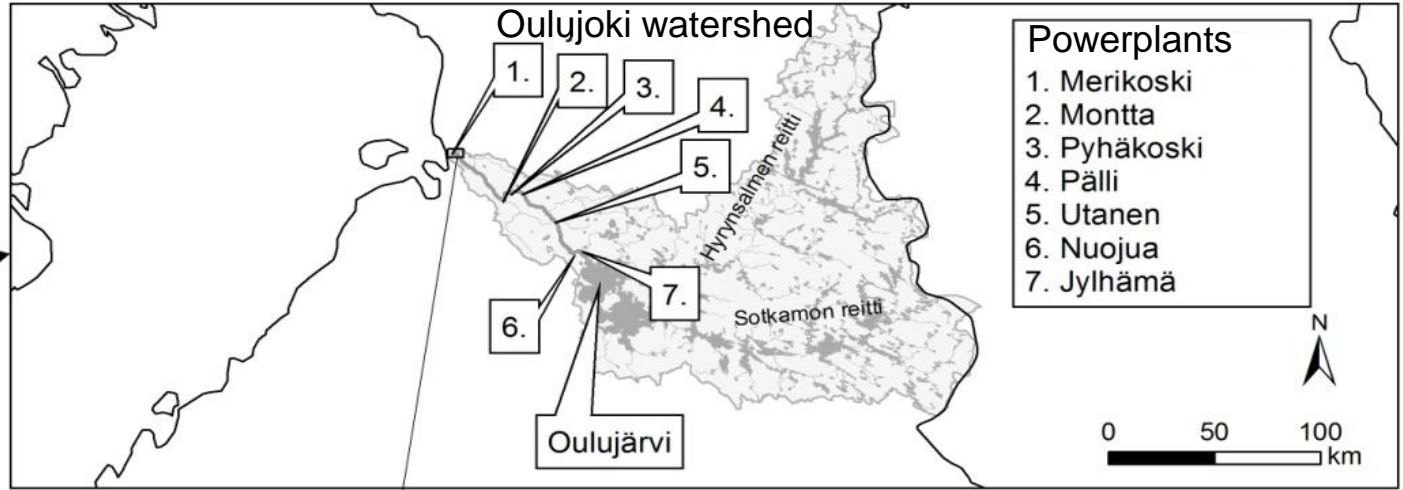
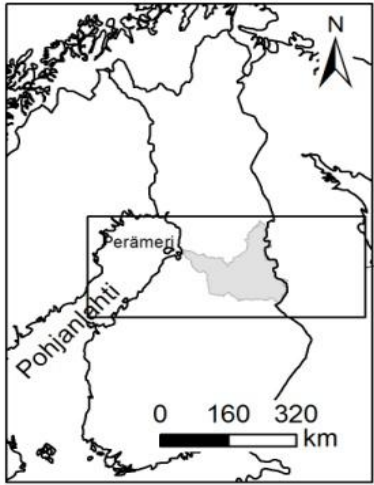


# Hupisaari streams in the City of Oulu

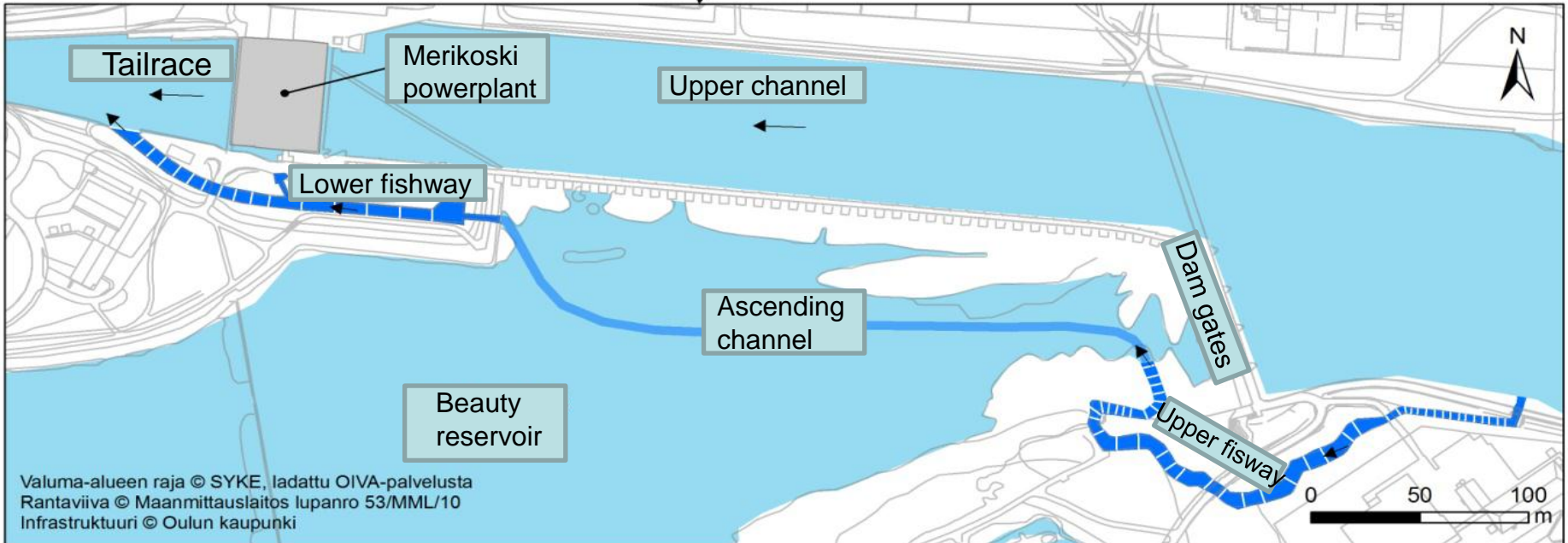


- Urban streams in the middle of Oulu
- Total length: ~ 2-3 km
- Summer discharge ~ 700 l / s (to increase comforting of people)
- Normal winter discharge 0 l / s
- In winters 2009-2010, power company agreed to give 200 l / s for study purpose
  - Stocking experiments of salmon egg and fry and monitoring by electrofishing
  - Restoring of salmonids (especially trout) is likely full possible, **only year-round flow is needed !!**
- Onwards from 2012: returning to the normal practise of 0-discharge during winter and no changes from this is in sight...





- Powerplants**
1. Merikoski
  2. Montta
  3. Pyhäkoski
  4. Pälli
  5. Utanen
  6. Nuojua
  7. Jylhämä



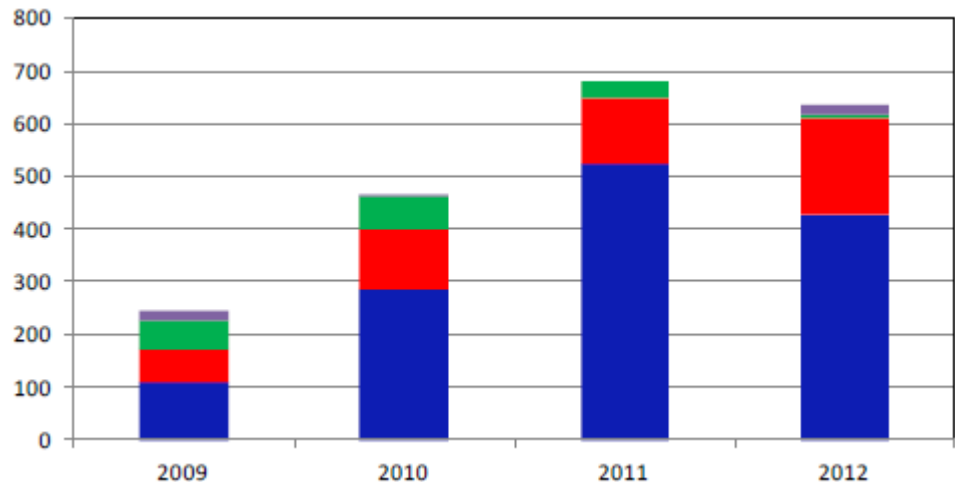
Valuma-alueen raja © SYKE, ladattu OIVA-palvelusta  
 Rantaviiva © Maanmittauslaitos lupanro 53/MML/10  
 Infrastruktuuri © Oulun kaupunki

# Merikoski fishway in River Oulujoki

- River Oulujoki was historically one of the most famous salmon rivers in Finland
- Merikoski fishway was built in 2003 to the lowest dam of the River Oulujoki
- Total length 750 m, 64 steps, height of fall 11 m
- 3 sections
  - Lowest: technical, vertical slot fishway, 2 entrances
  - Middle: ascending channel mined in the rock of old channel
  - Uppermost: natural-like channel + vertical slot fishway
- Open yearly from beginning of May to end of October
- The amount of ascending fish monitored by VAKI fish counter and video camera

## Number of ascending fish in Merikoski Fishway

Unknown  
Early matured salmon  
Trout  
Salmon



Fishway work, but difficult to say how well, because most smolt releases of salmon are made below the fishway to the sea