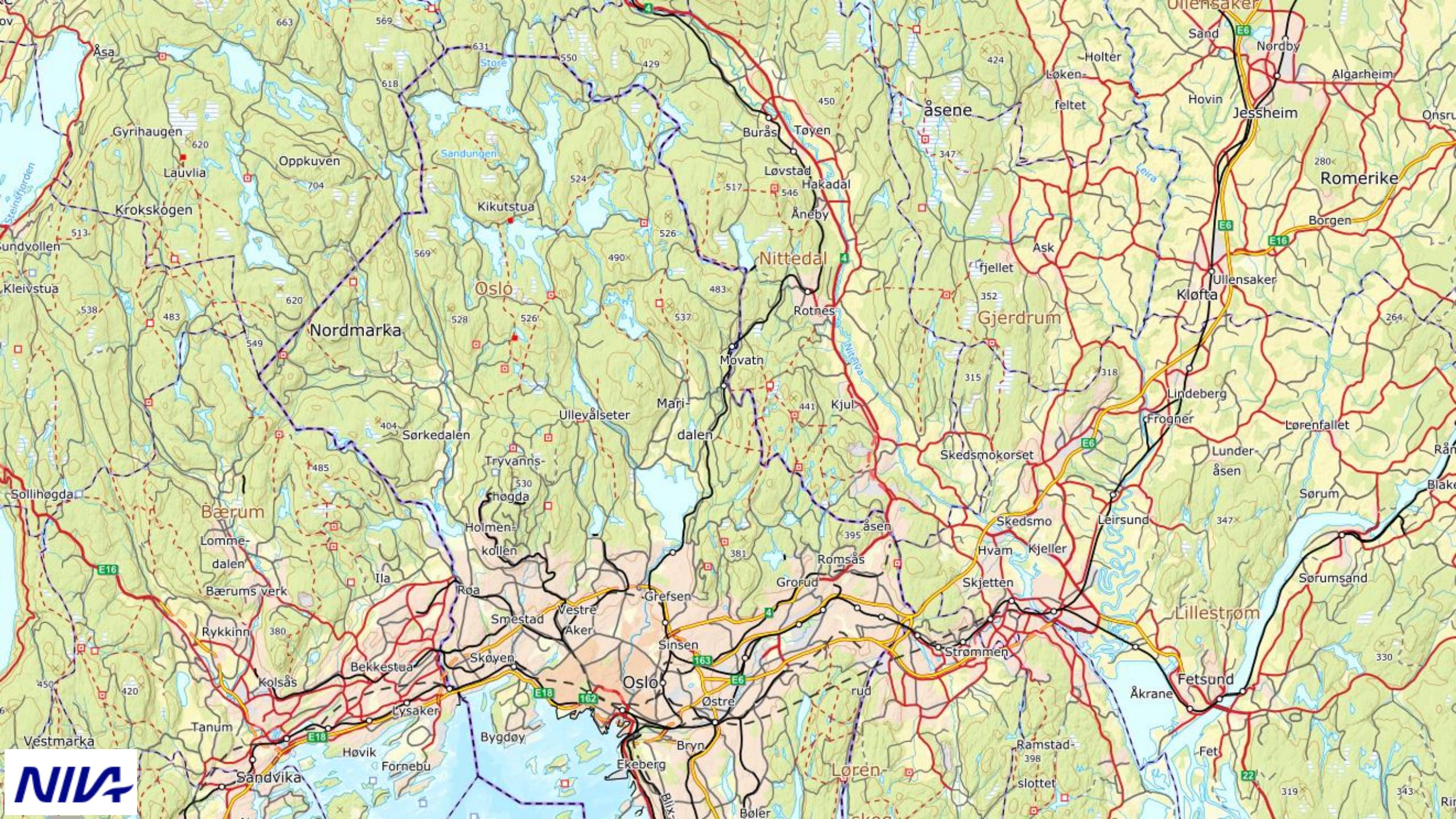
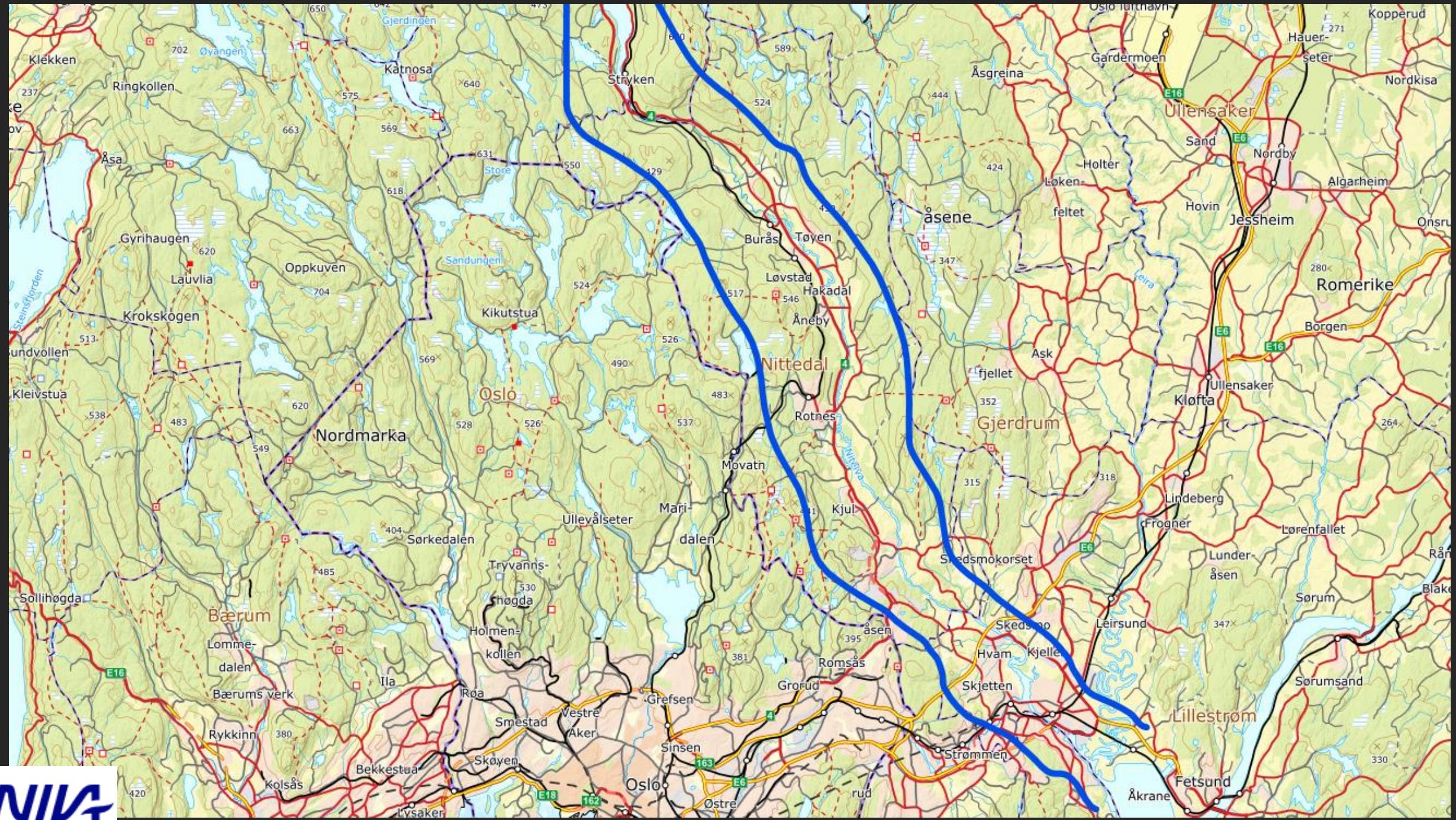
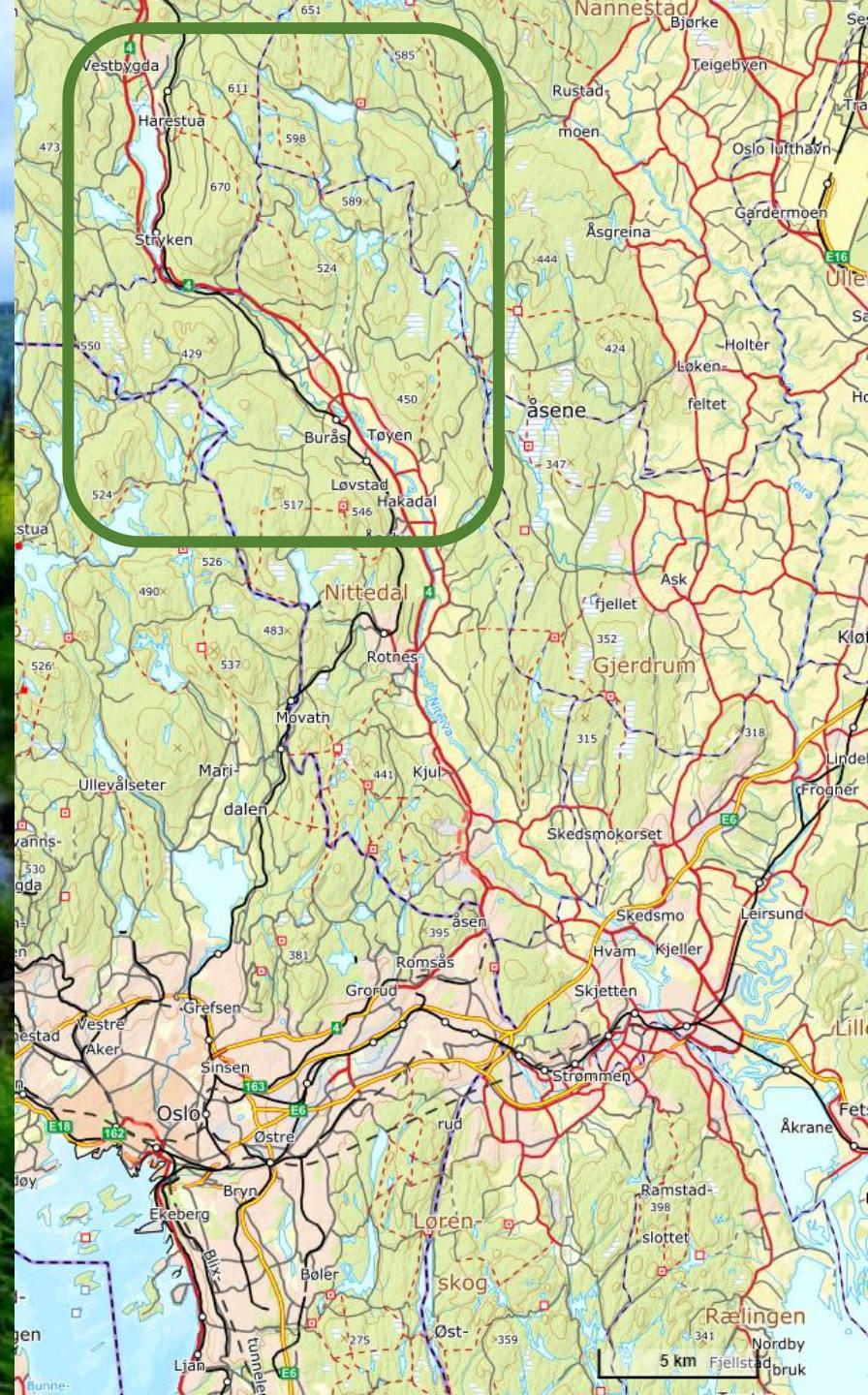




NITELVA – på urbant eventyr Miljøgifter i fisk

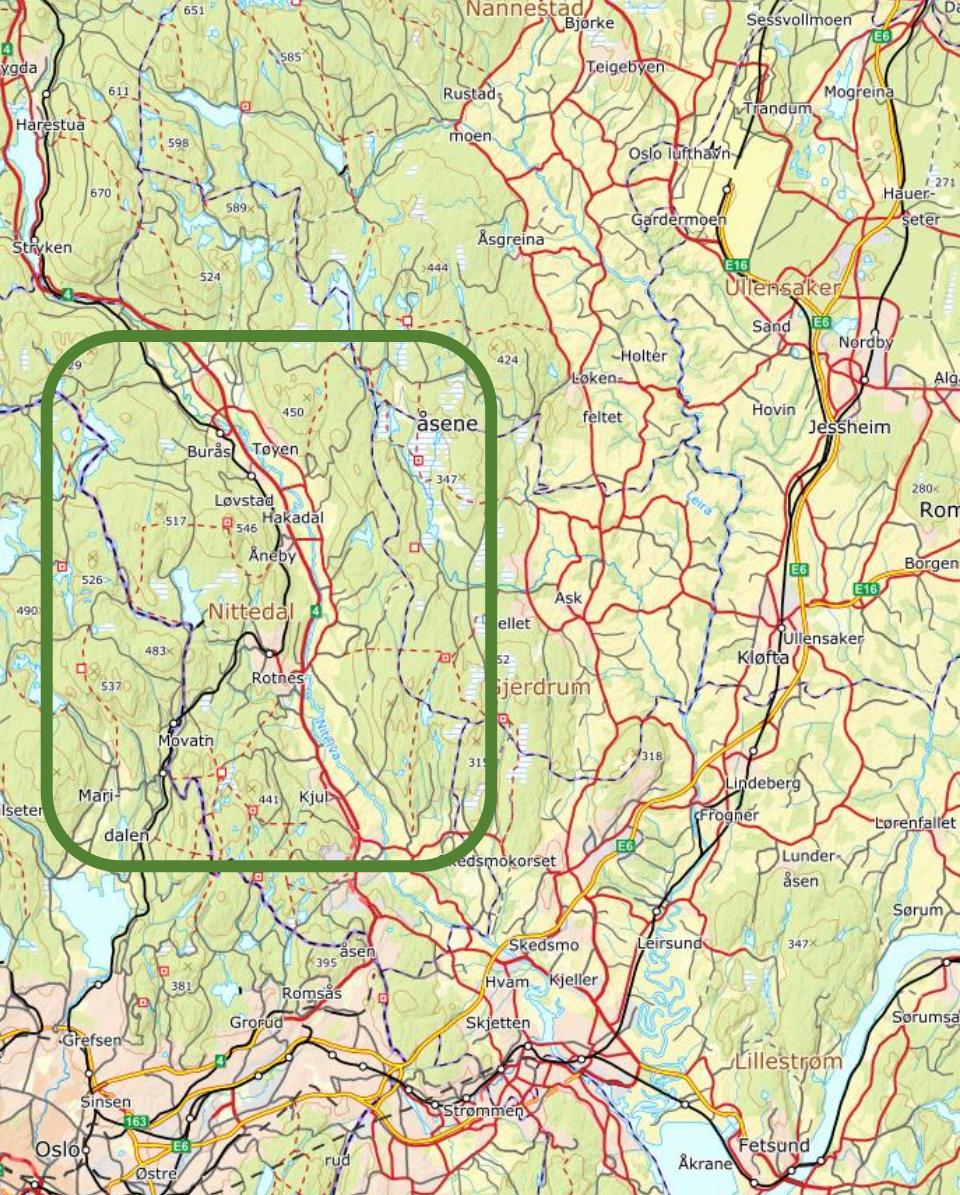
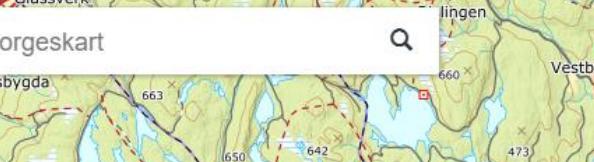


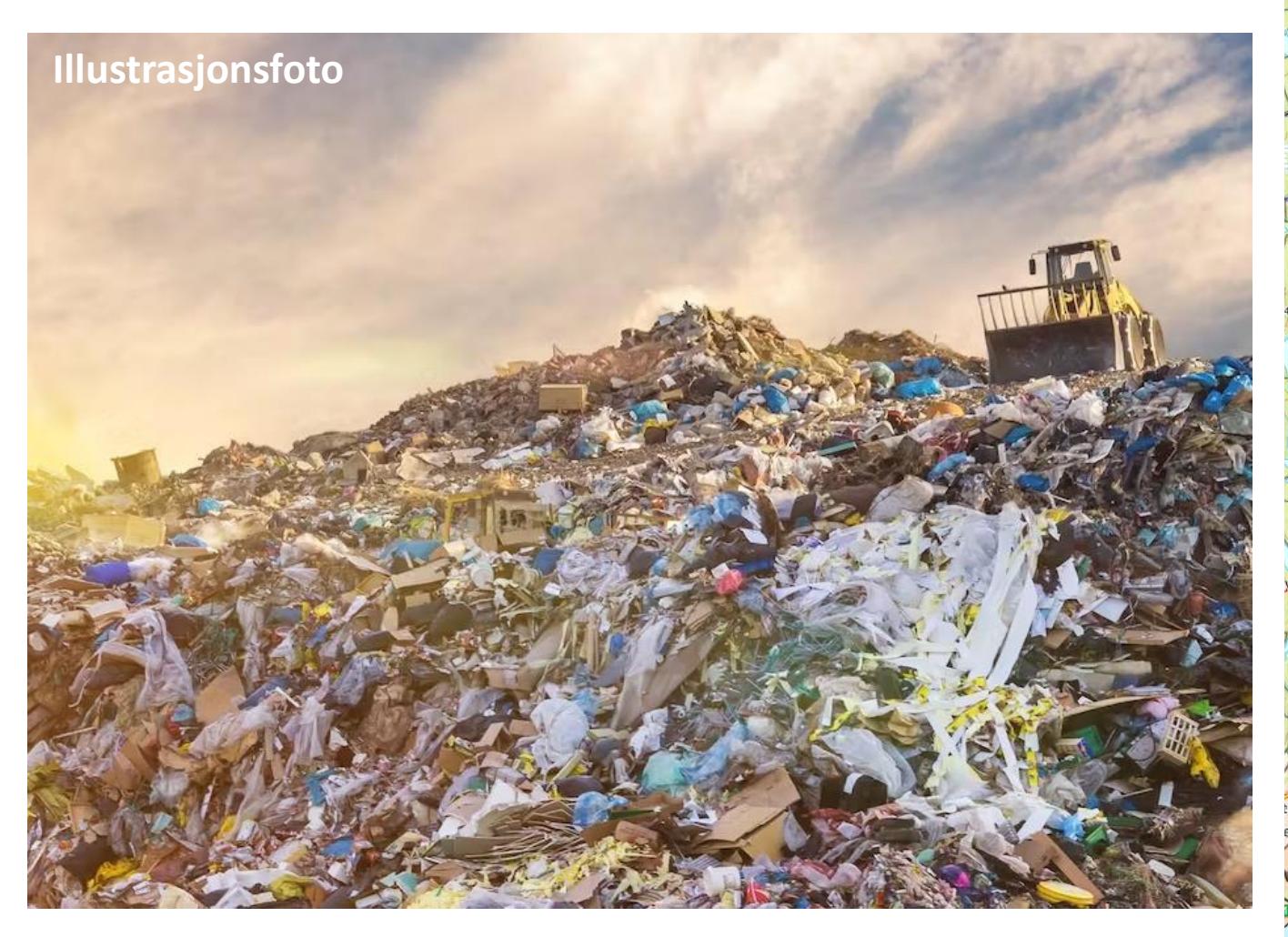




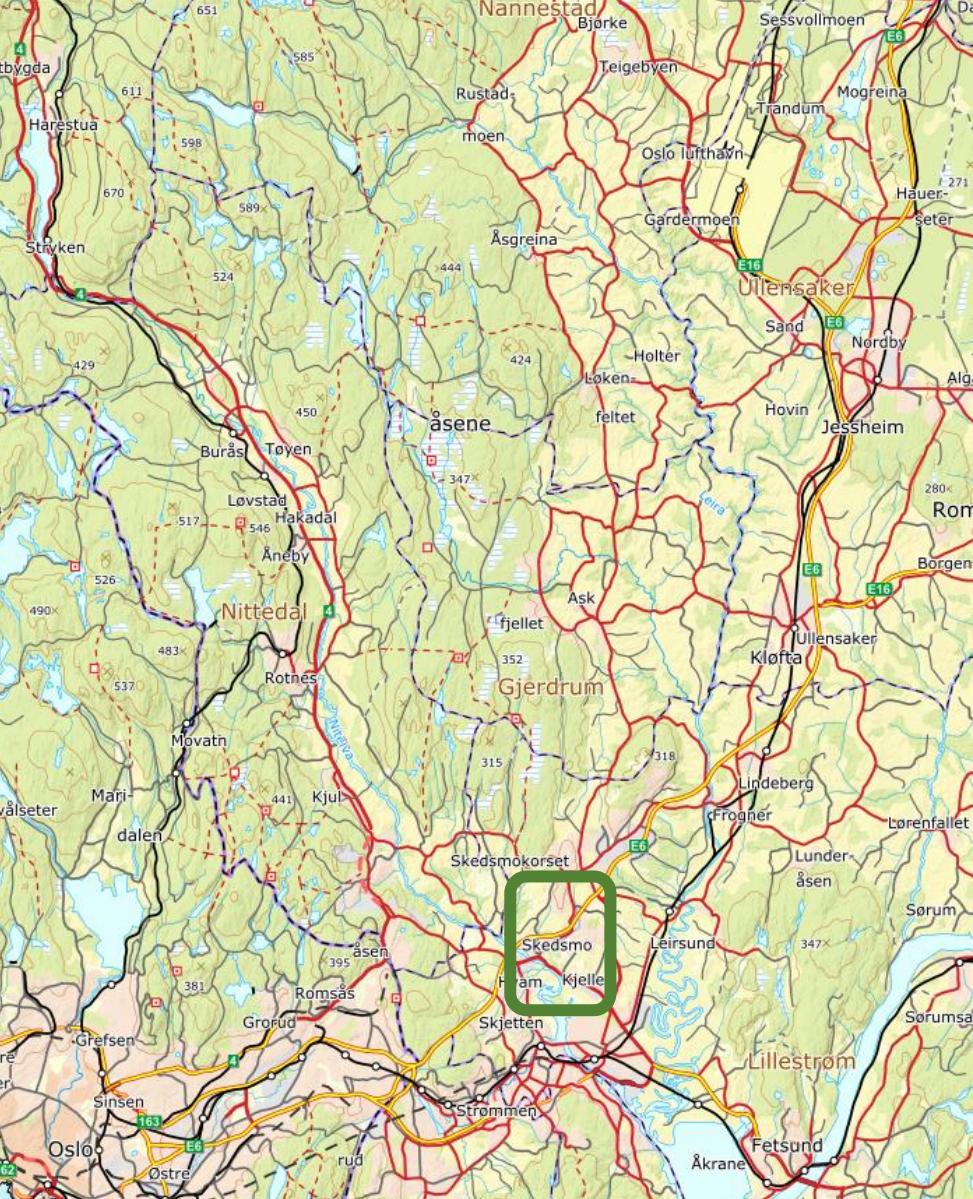
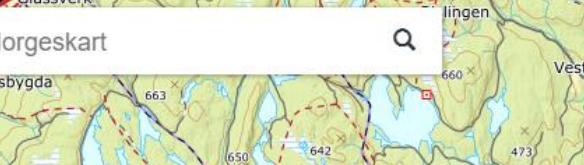


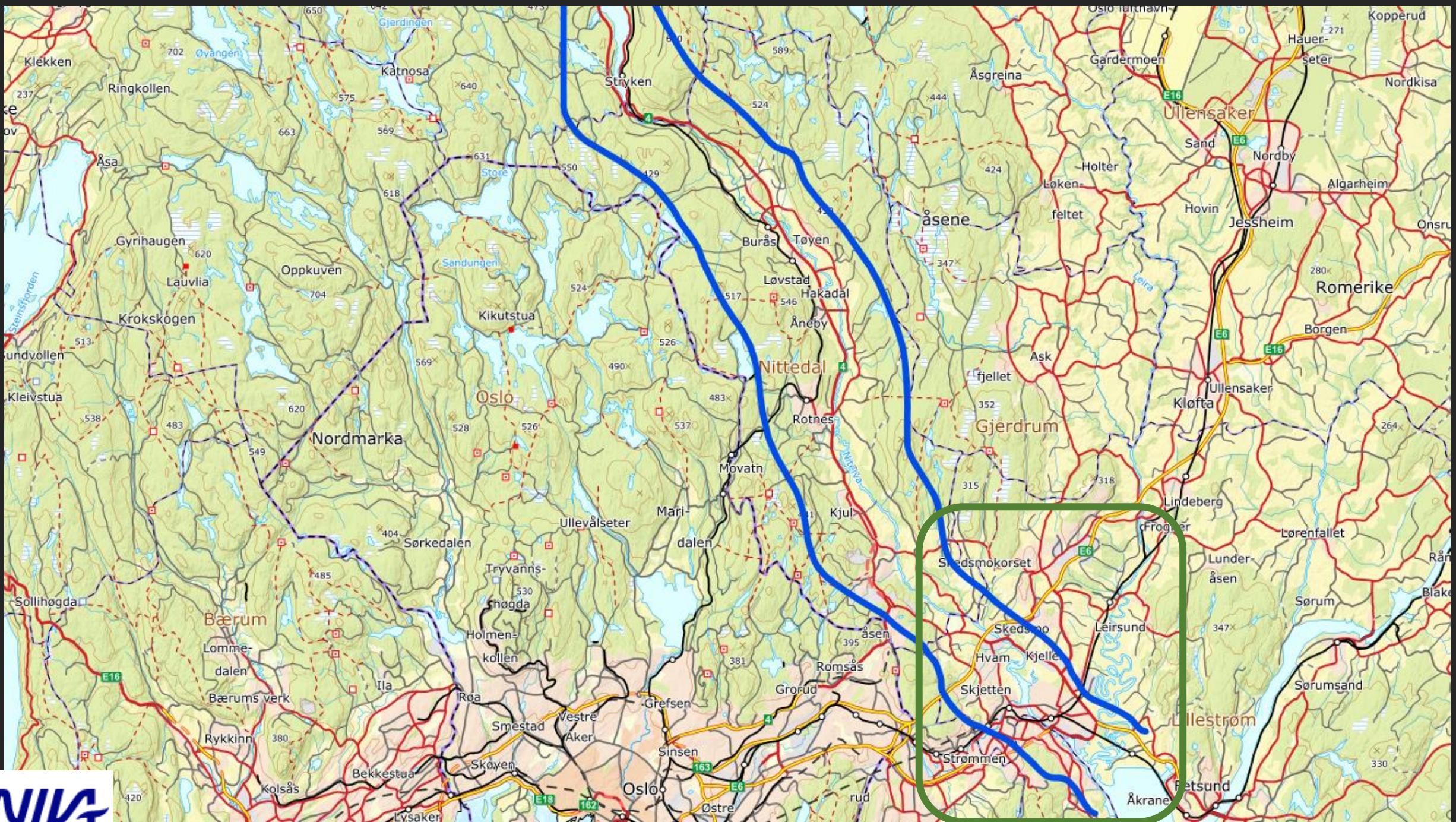
Illustrasjonsfoto

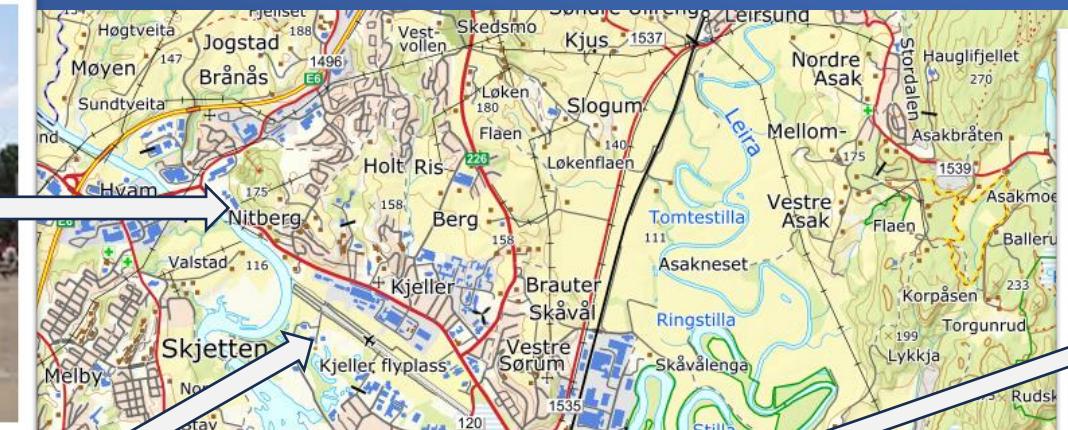




Illustrasjonsfoto



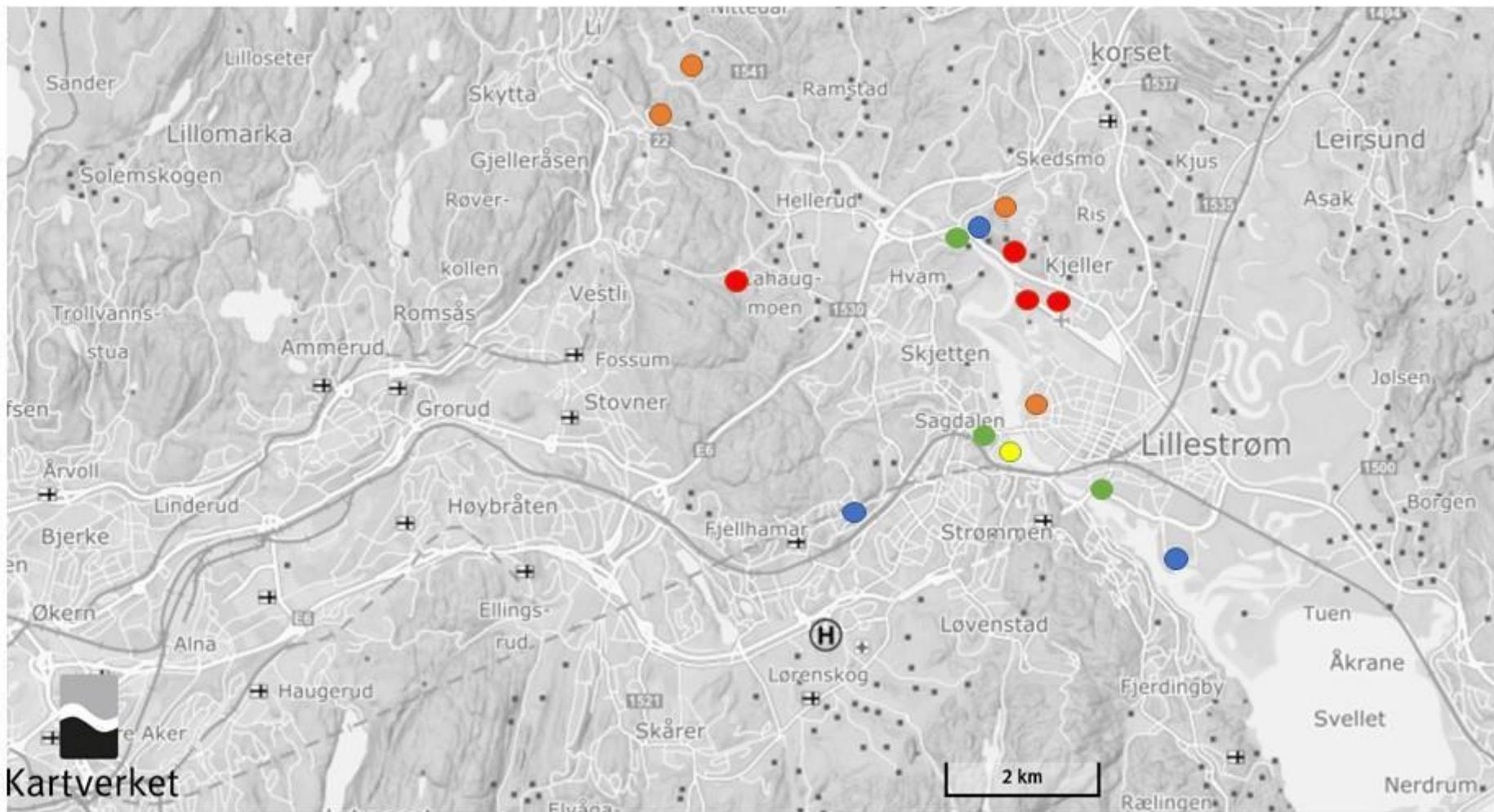


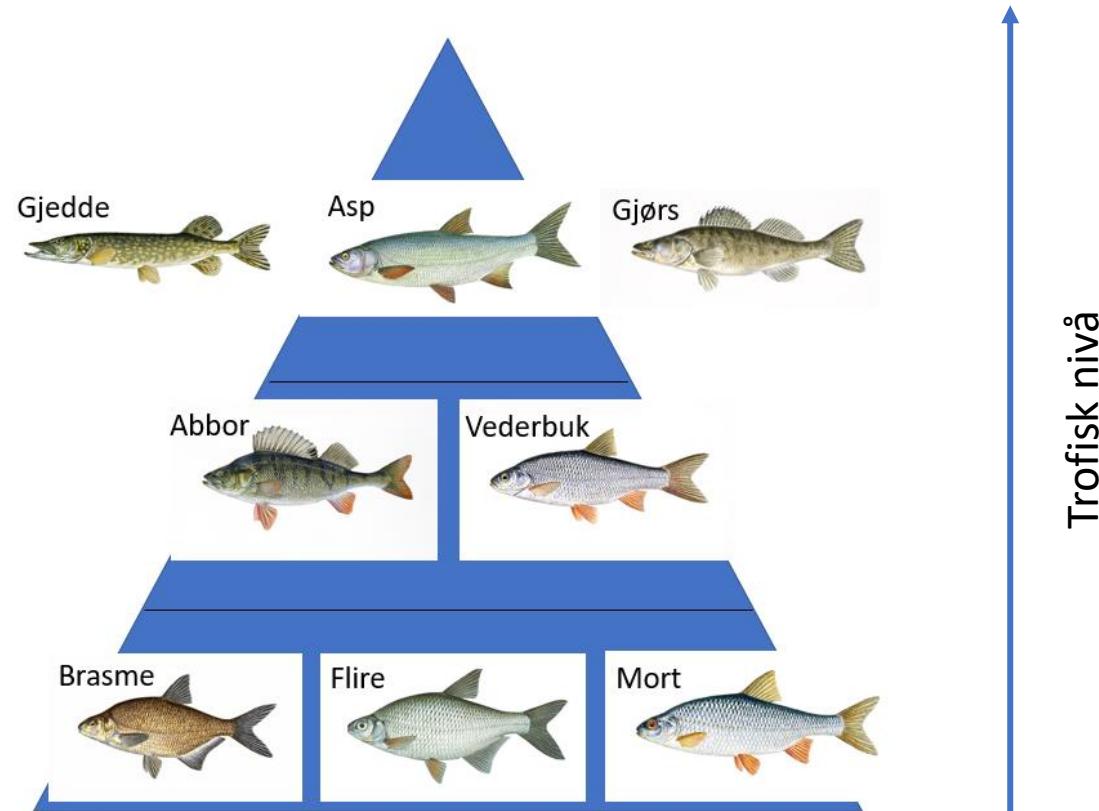
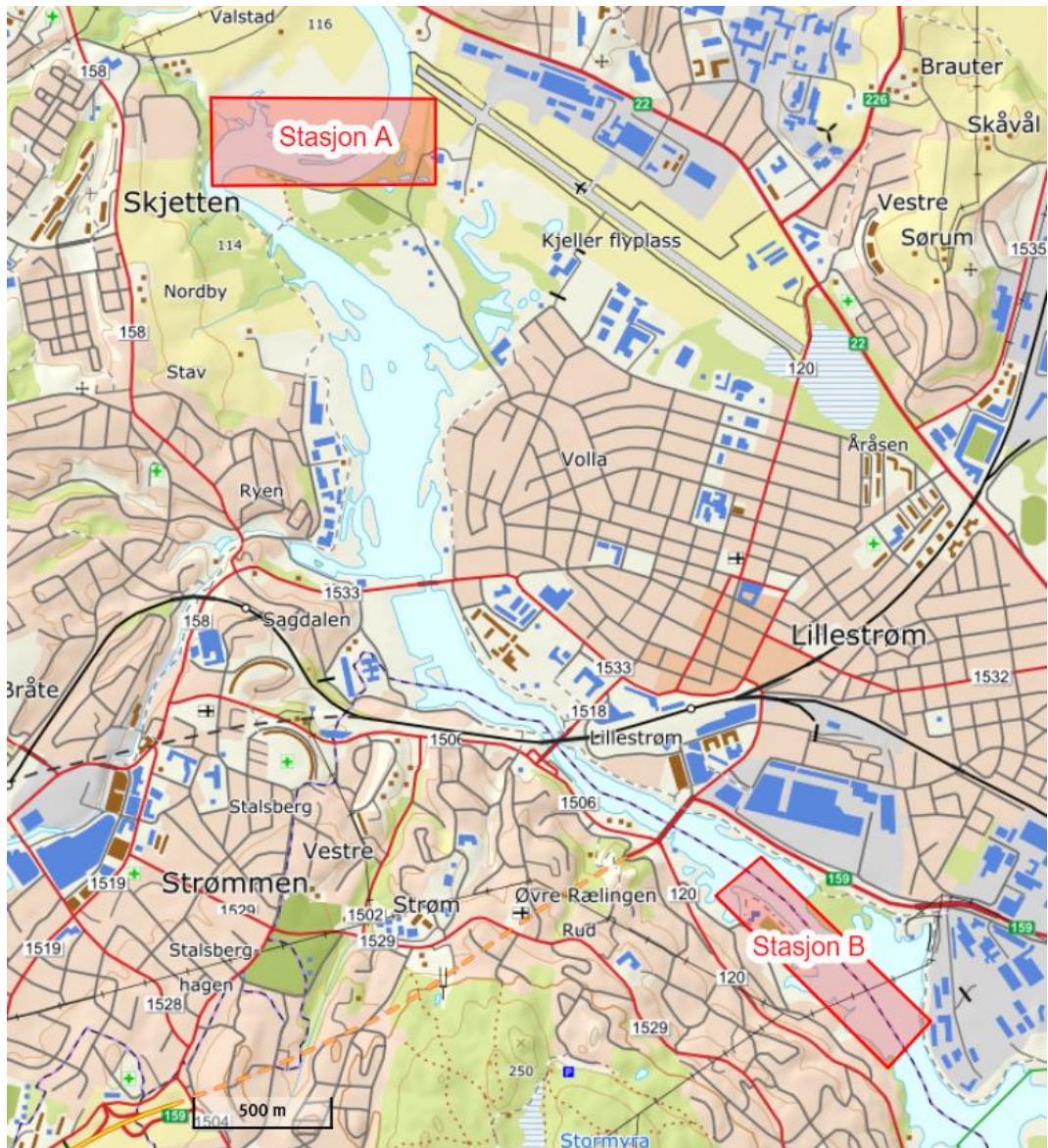


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Kategorier

- Industri
- Avfallsdeponier og fyllmasser
- Brannøving
- Vegavrenning og urbane områder
- Avløpsrense-anlegg







Undersøkte forbindelser

Kvikksølv (Hg) og
andre metaller

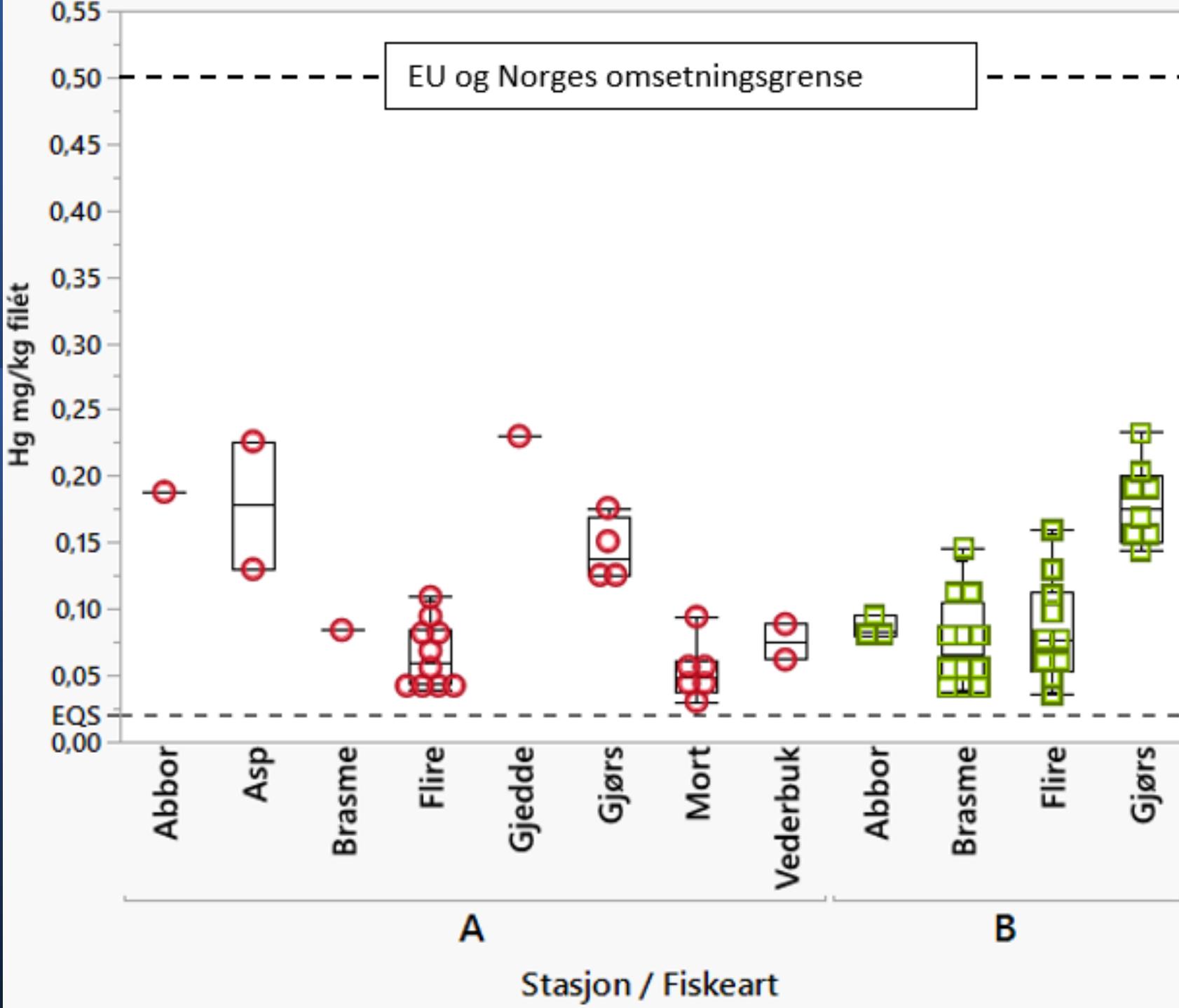
Polysykliske
aromatiske
hydrokarboner (PAH)
(metabolitter)

Perfluorerte
alkylforbindelser
(PFAS)

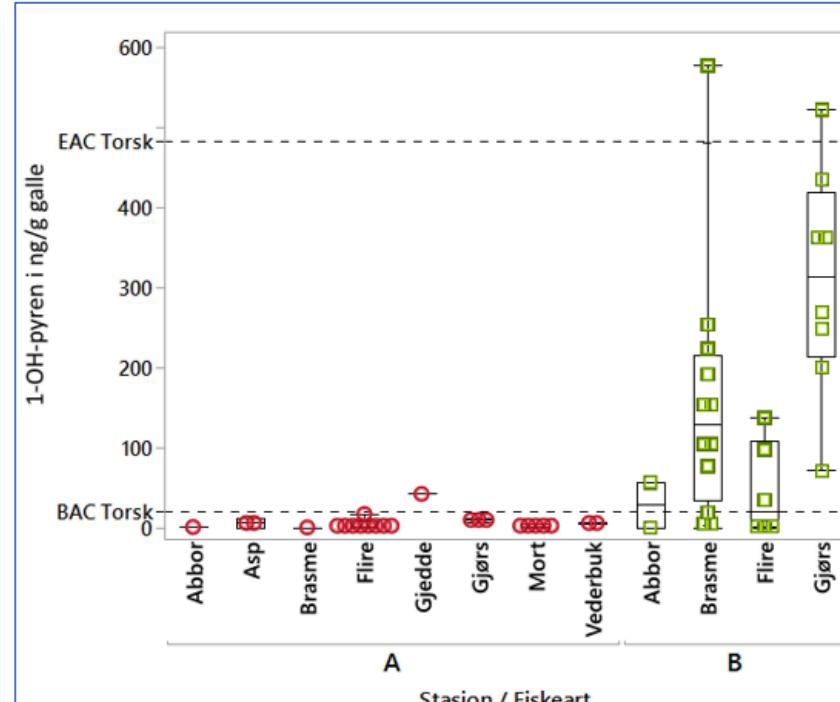
Kort oppsummert

- Generelt lave metallkonsentrasjoner (Pb, Cd, Cu...)
- Hg over EQS
- Høyere PAH-konsentrasjon (1-OH–pyren og 1-OH-fenantren) i den nederste av de to stasjonene
- Relativt høye nivåer av PFOS i de fleste av fiskeartene, og over EQS i alle individer av de ulike artene, bortsett fra i mort

Resultater Kvikksølv (Hg)

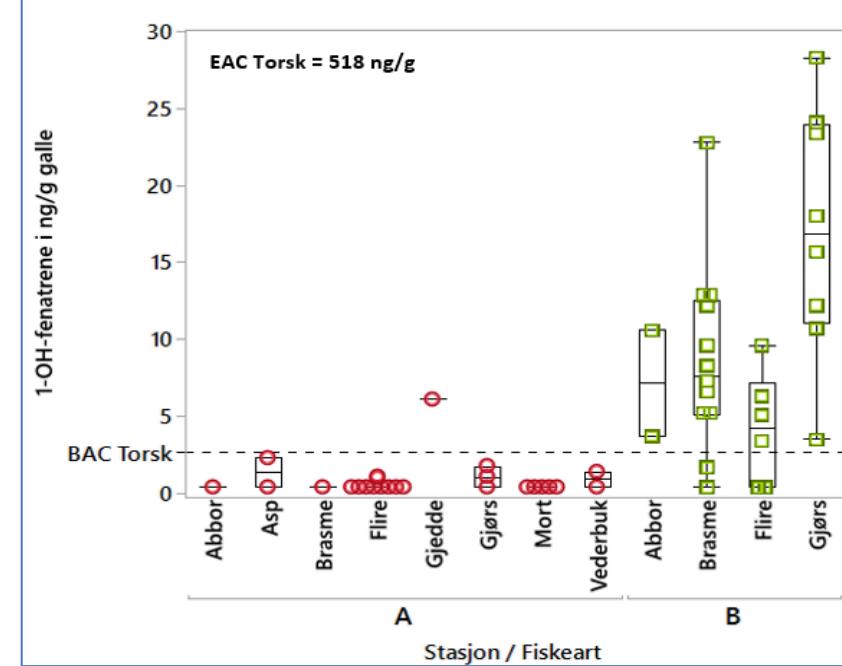


PAH-metabolitter

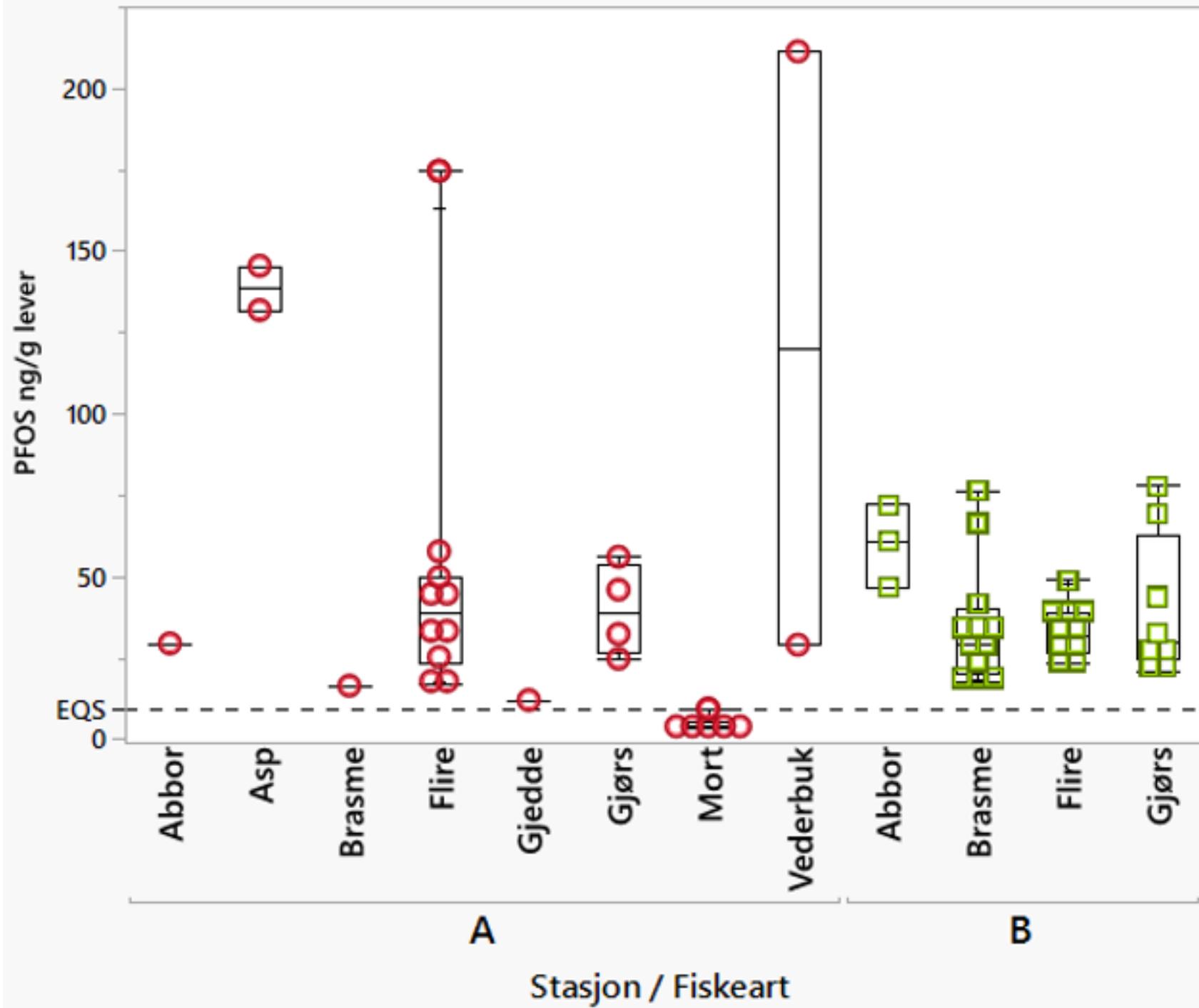


1-OH-pyren

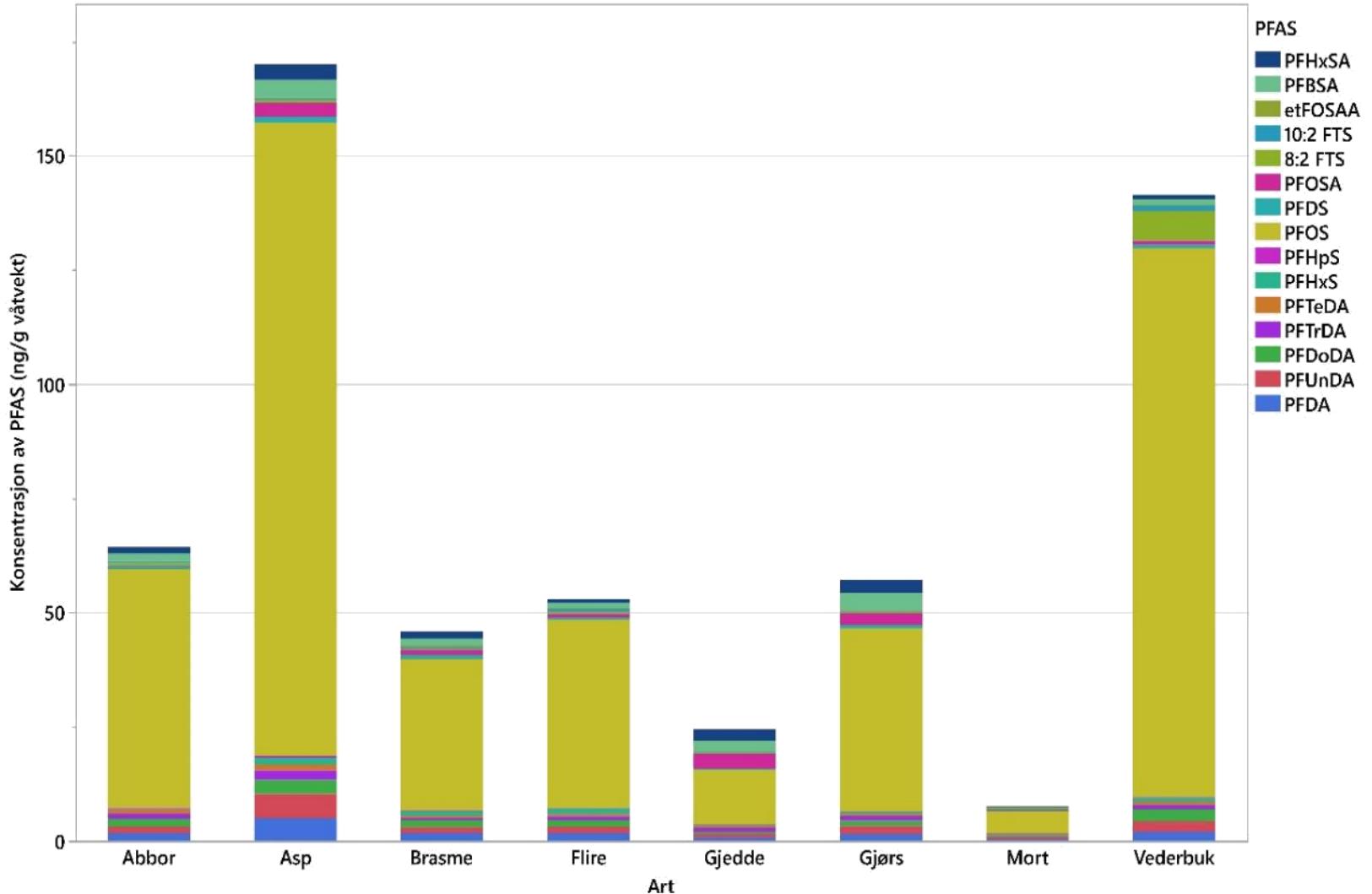
1-OH-fenantren



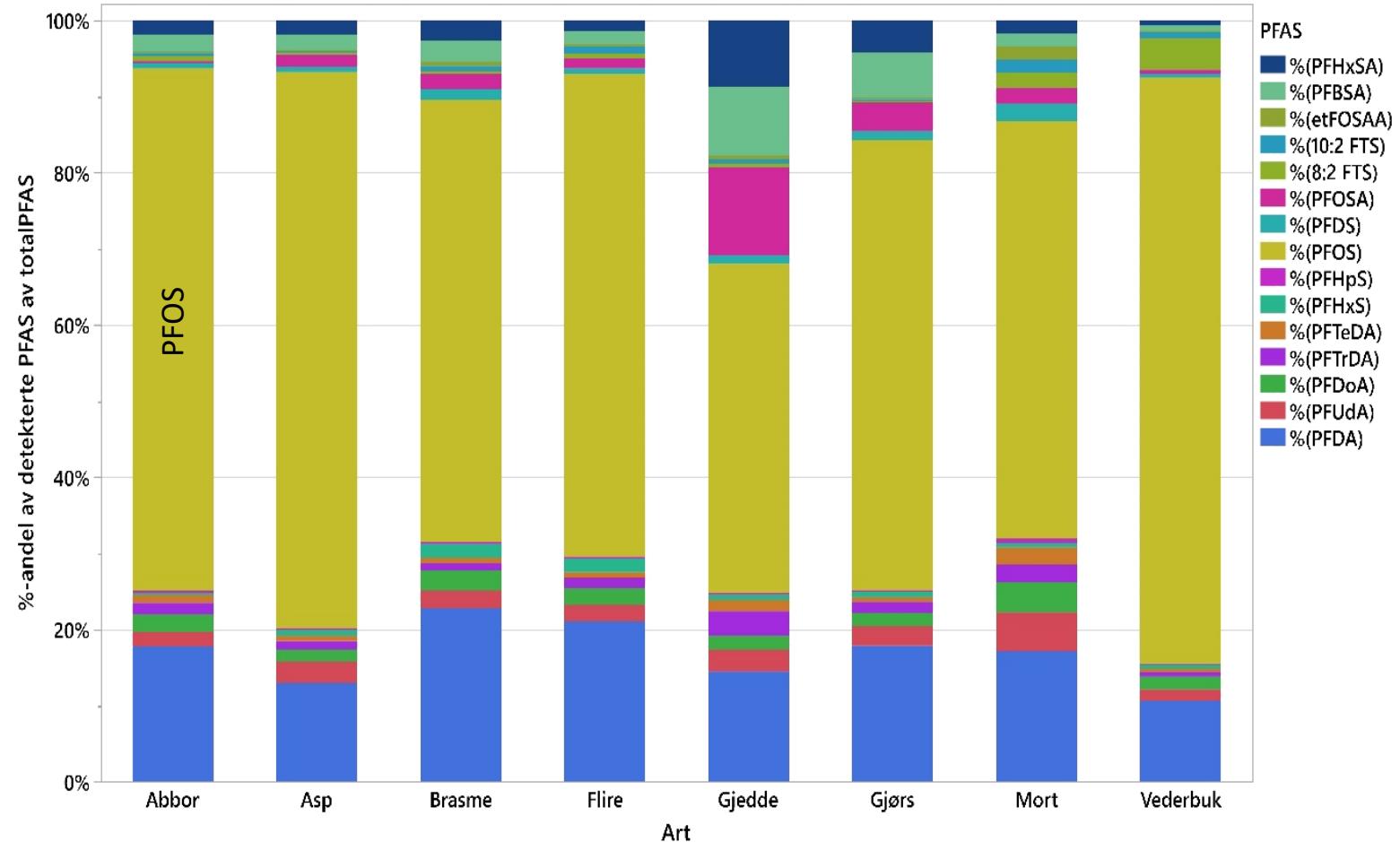
PFAS – fluorkjemikalier *PFOS*



PFAS i fisk, Nitelva. Nivåer.



PFAS i fisk, Nitelva. Sammensetning.



Oppfølging

- Kildekontroll
 - Urban avrenning
 - Industriavrenning (overflate og rør)
 - Deponier
 - Renseanlegg
- Økologisk tilstand?
- Mattrygghet?
- Bredere analytisk program; flere miljøgifter
 - Siloksaner
 - UV-stoffer
 - PCB
 - Klorparaffiner
 - PBDE



