

Miljøovervåking Nordsjøen

Region IV– 2020

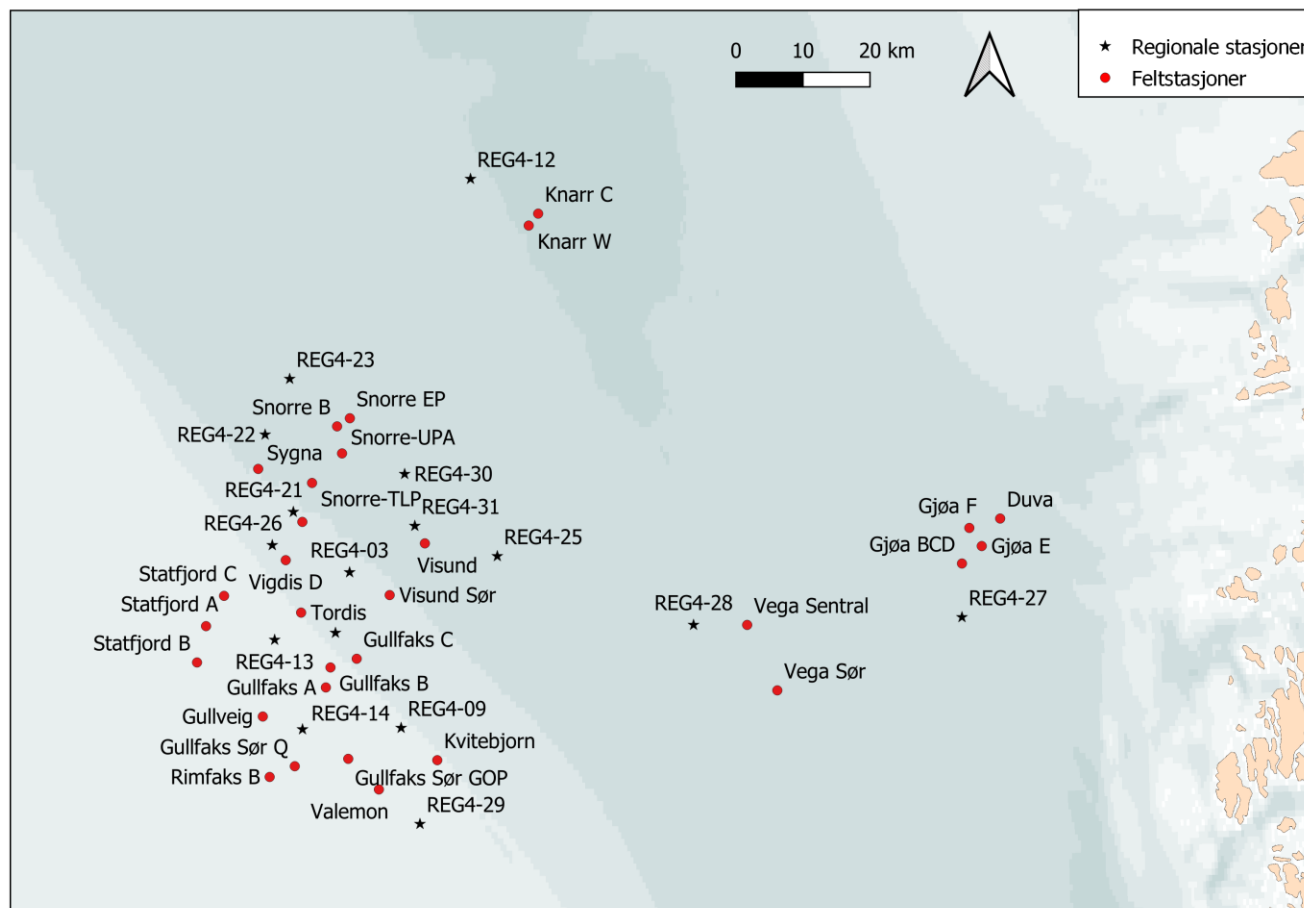
STIM AS



Region IV 2020



- 215 stasjoner
- 30 felt og templer
- Prøveinnsamling 22.aug til 9.sept 2020
- *MV Elektron*
- Surveyer fra Fugro AS
- Resultatene som presenteres er fra rapportutkast



Felt	Operatør	Type 2020	subregion
Vega Sør	Wintershall	Overvåking	dyp
Vega Sentral	Wintershall	Overvåking	dyp
Knarr	Norske Shell	Overvåking	dyp
Snorre A UPA	Equinor Energy	Overvåking	dyp
Snorre A TLP	Equinor Energy	Overvåking	dyp
Snorre B	Equinor Energy	Overvåking	dyp
Snorre EP*	Equinor Energy	(4 stasjoner undersøkes*)	dyp
Sygna	Equinor Energy	Overvåking	dyp
Vigdis Nordl.templ.	Equinor Energy	Overvåking	dyp
Vigdis D	Equinor Energy	Overvåking	grunn
Tordis	Equinor Energy	Overvåking	grunn
Visund Sør	Equinor Energy	Overvåking	dyp
Visund	Equinor Energy	Overvåking	dyp
Gjølå BCD	Neptune Energy	Overvåking	dyp
Gjølå E	Neptune Energy	Overvåking	dyp
Gjølå F	Neptune Energy	Overvåking	dyp
Duva	Neptune Energy	-	dyp
Valemon	Equinor Energy	Overvåking	grunn
Kvitebjørn	Equinor Energy	Overvåking	grunn
Gullfaks A	Equinor Energy	Overvåking	grunn
Gullfaks B	Equinor Energy	Overvåking	grunn
Gullfaks C	Equinor Energy	Overvåking	grunn
Gullfaks Sør GOP	Equinor Energy	Overvåking	grunn
Gullfaks Sør Q	Equinor Energy	Overvåking	grunn
Rimfaks	Equinor Energy	Overvåking	grunn
Gullveig	Equinor Energy	Overvåking	grunn
Statfjord A	Equinor Energy	Overvåking	grunn
Statfjord B	Equinor Energy	Overvåking	grunn
Statfjord C	Equinor Energy	Overvåking	grunn

Subregioner og LSC

- To subregioner: Dyp og Grunn
- LSC beregnet ut fra alt tilgjengelig datamateriale ved de regionale stasjonene fra 1996 og fram til og med 2020
- **Grunn subregion: Små endringer, men noe lavere i forhold til tidligere beregnede LSC**
- **Dyp subregion: Høyere LSC for THC enn tidligere.**



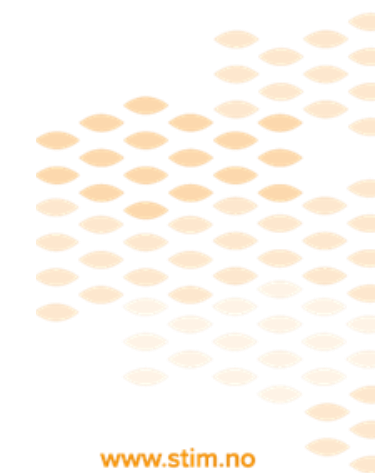
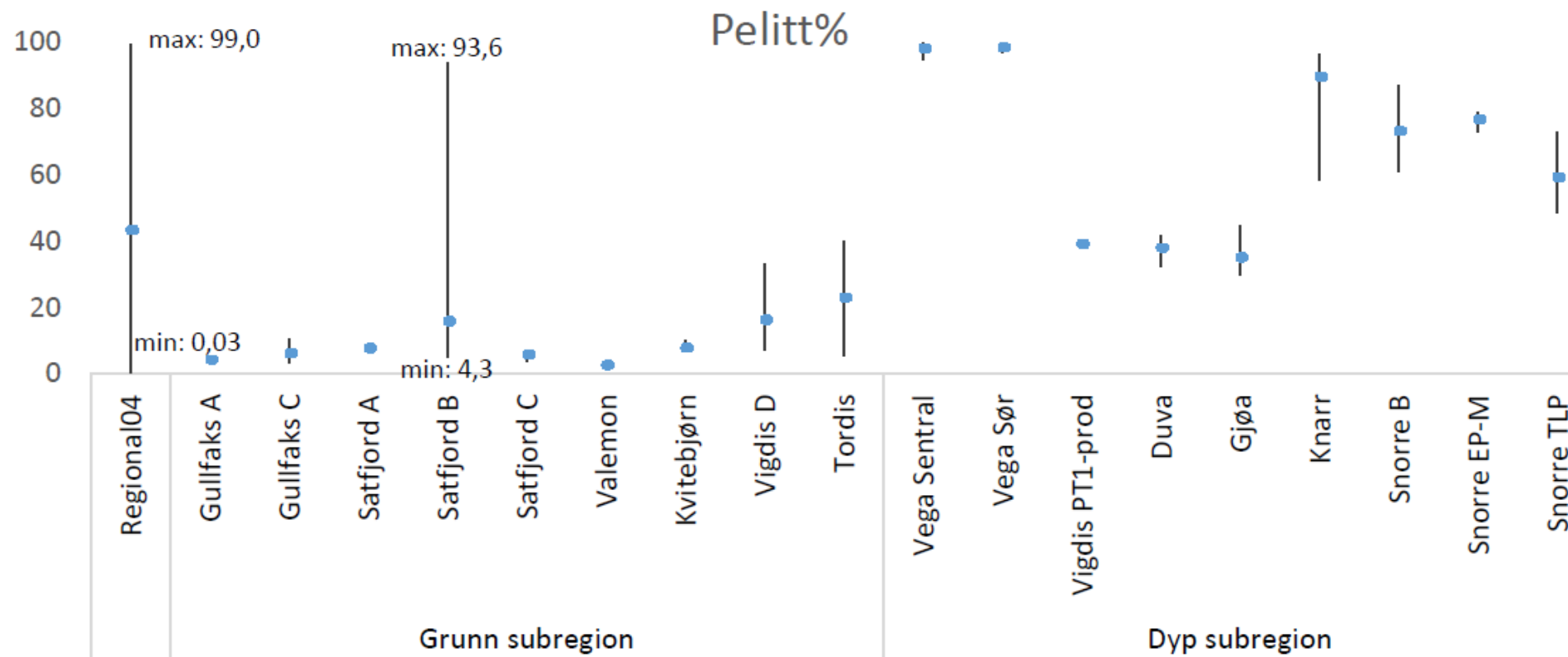
Regionale stasjoner i Region IV 2020



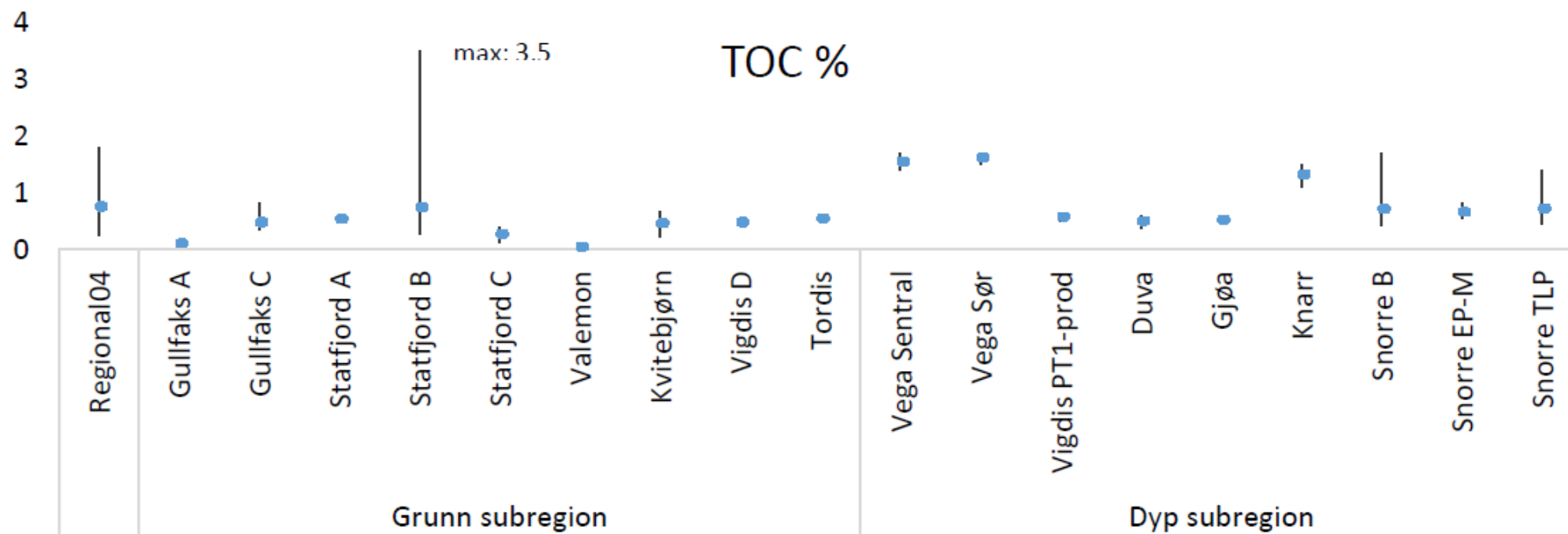
- THC: høyere enn tidligere år og over beregnet LSC for 10 av 16 regionalstasjoner.
- For å utelukke analysefeil: reanalyser, parallellanalyser ved et annet akkreditert laboratorium og kontroll av analyseinstrument utført.
- Analyselaboratoriet har også i ettertid av analysene deltatt i ringtest med godkjent resultat.
- Ved prøvetaking ble prosedyrer for å unngå krysskontaminering fulgt
- De høyeste konsentrasjonene av hydrokarboner i dyp subregion
- Metaller: synkende trend sammenlignet med tidligere år
- Bunndyr uforstyrret



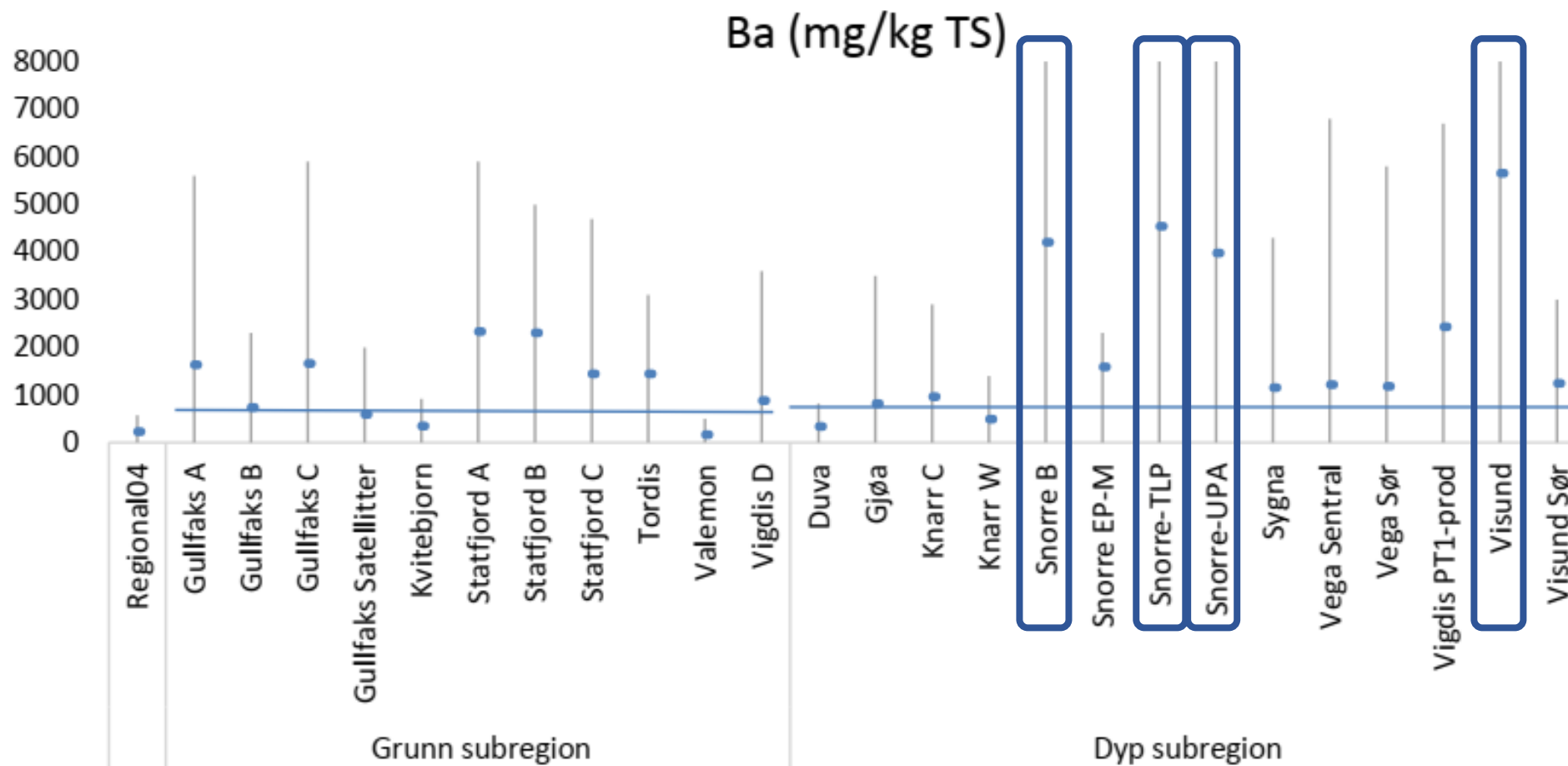
Pelitt



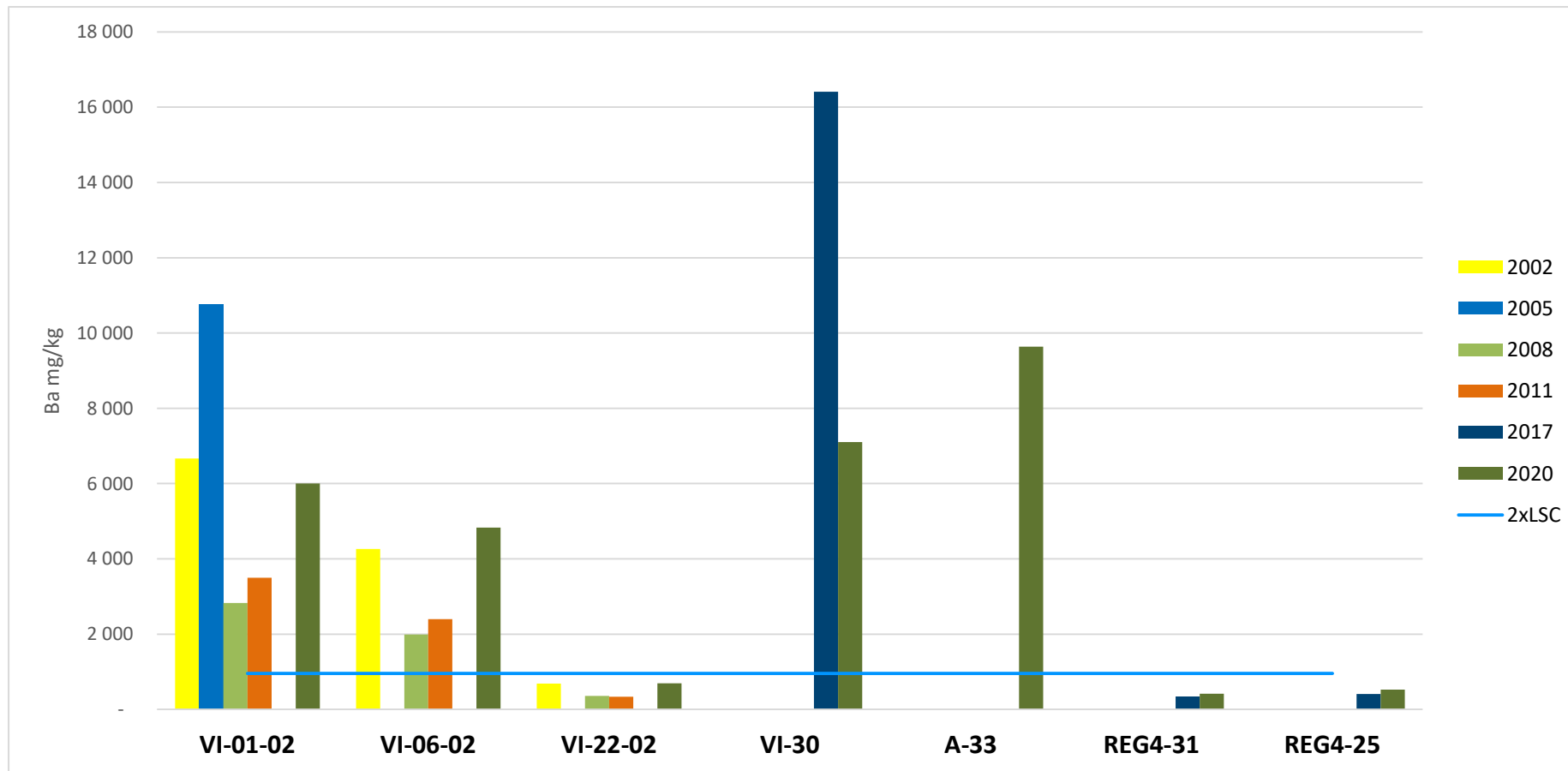
TOC



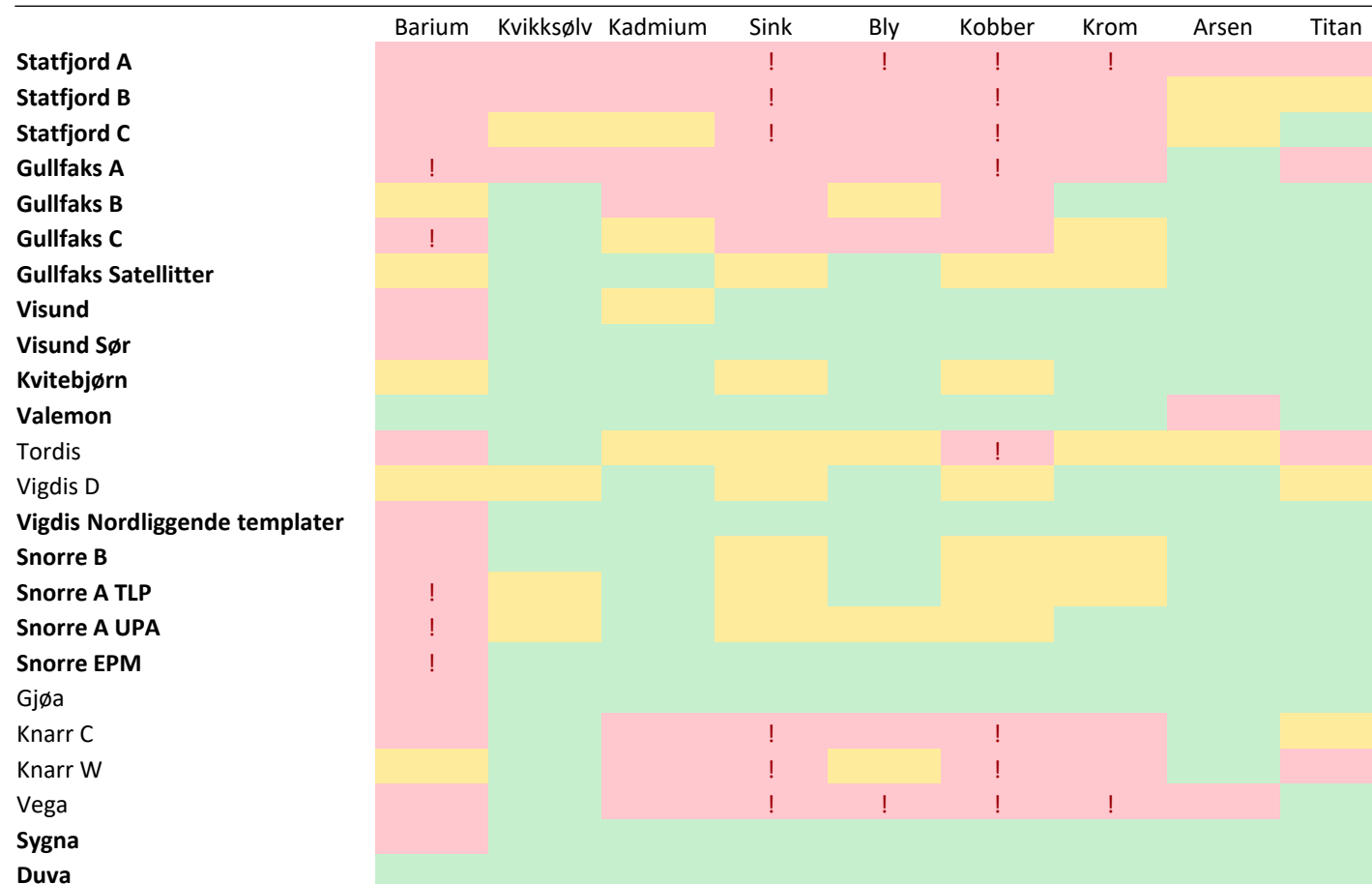
Barium



Barium - Visund



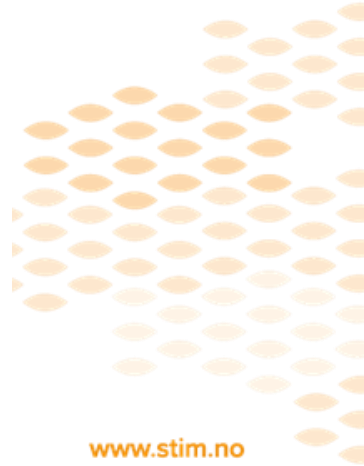
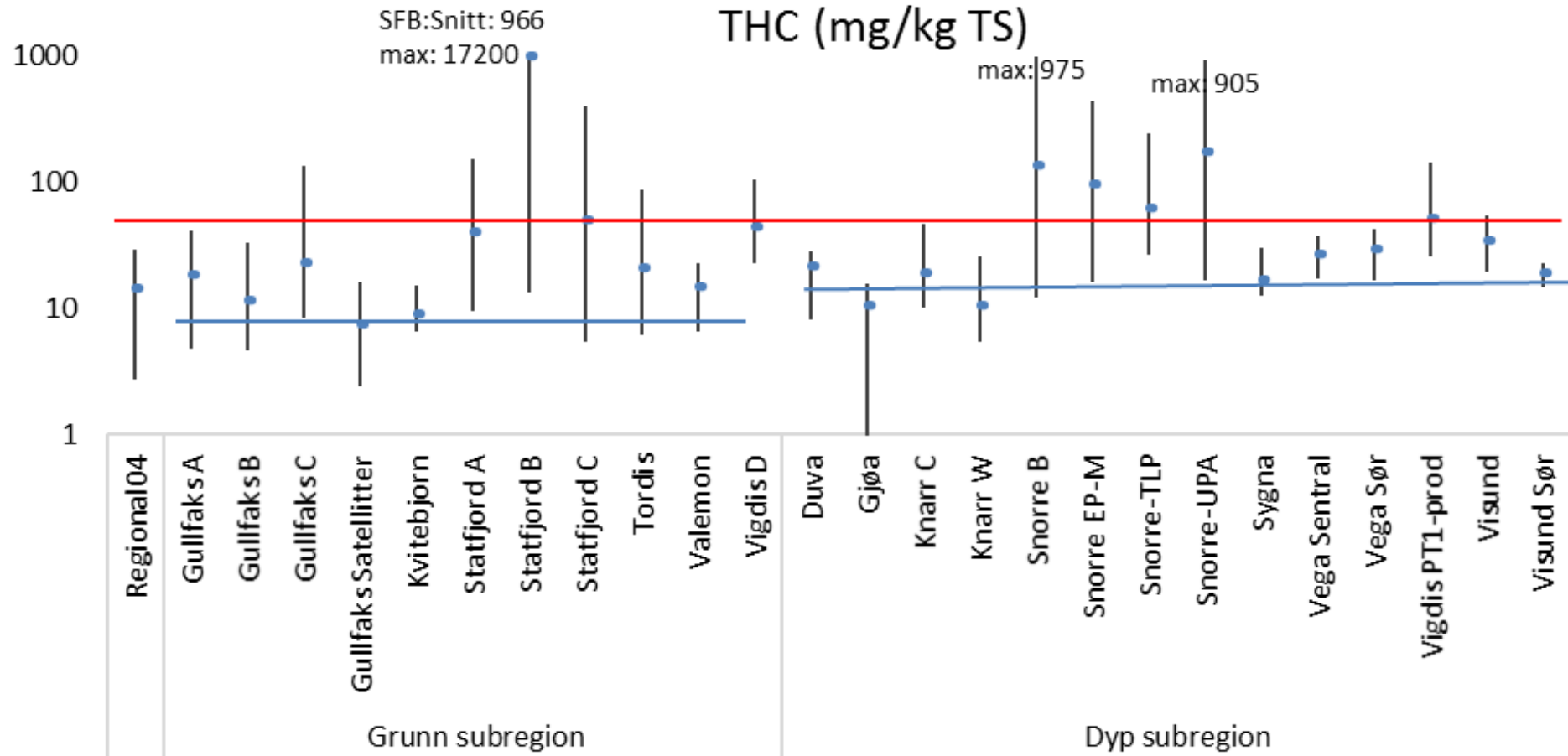
Andre metaller



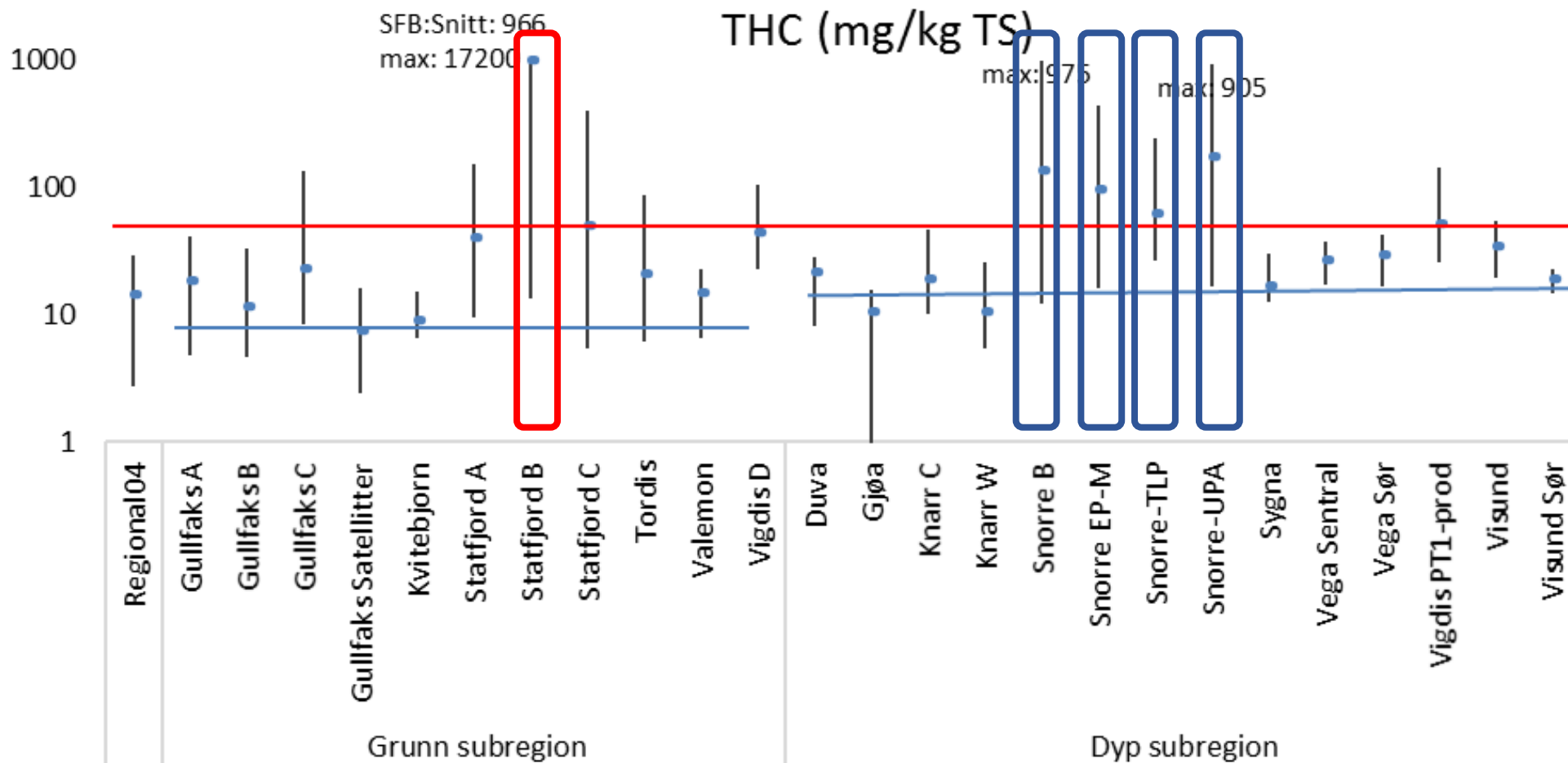
Alle verdier under LSC Enkeltverdier over LSC Snitt over LSC ! : Alle verdier over LSC



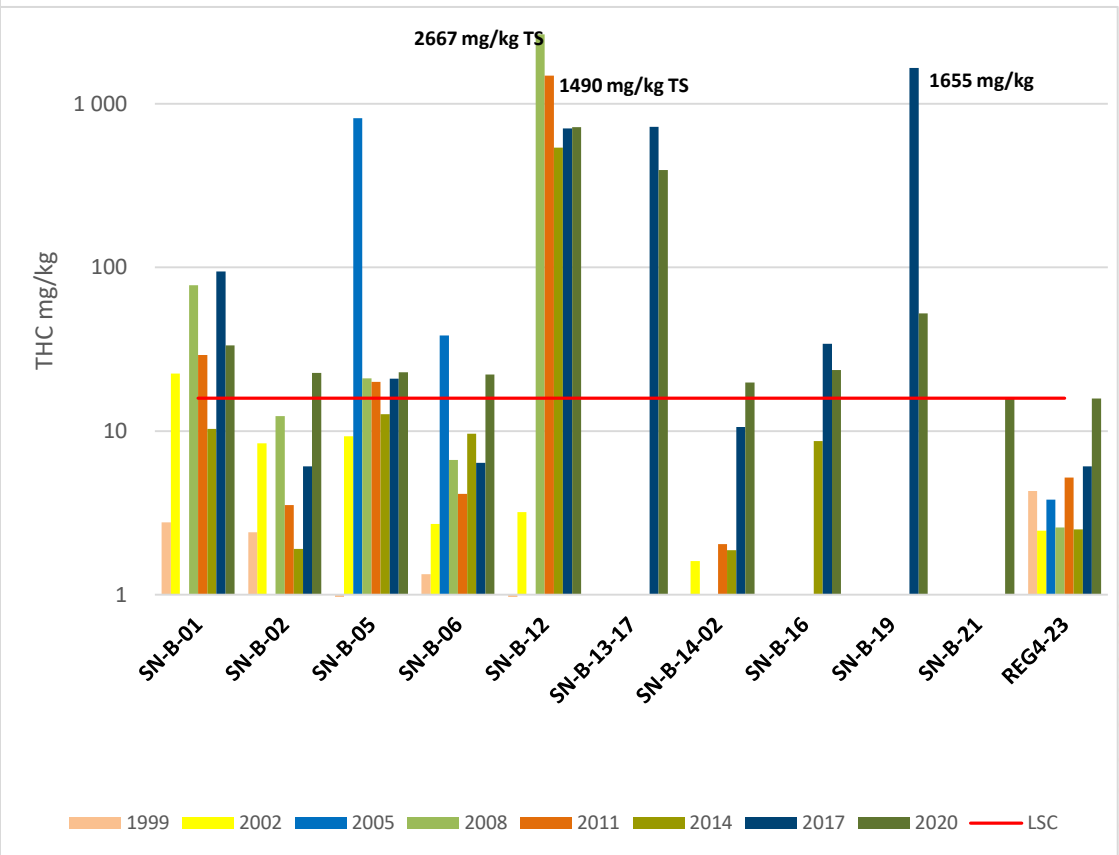
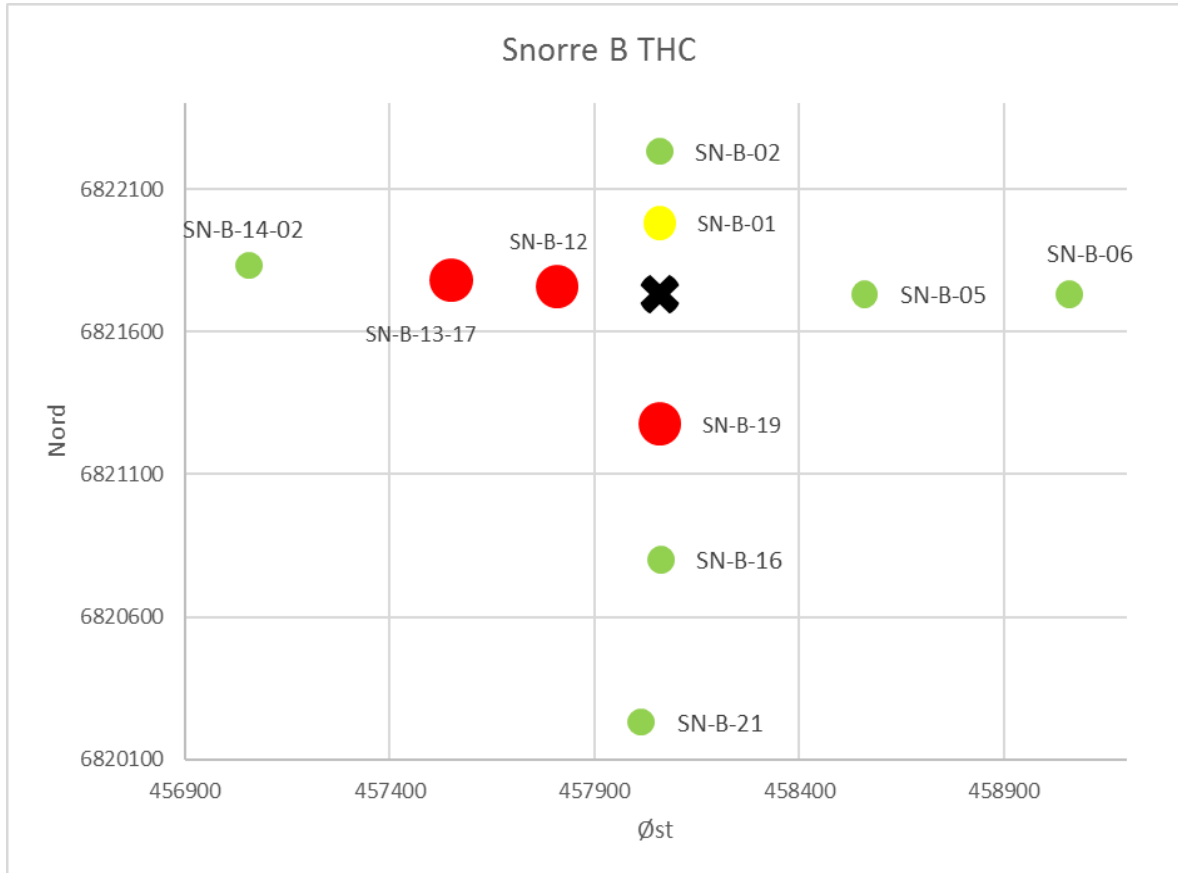
THC



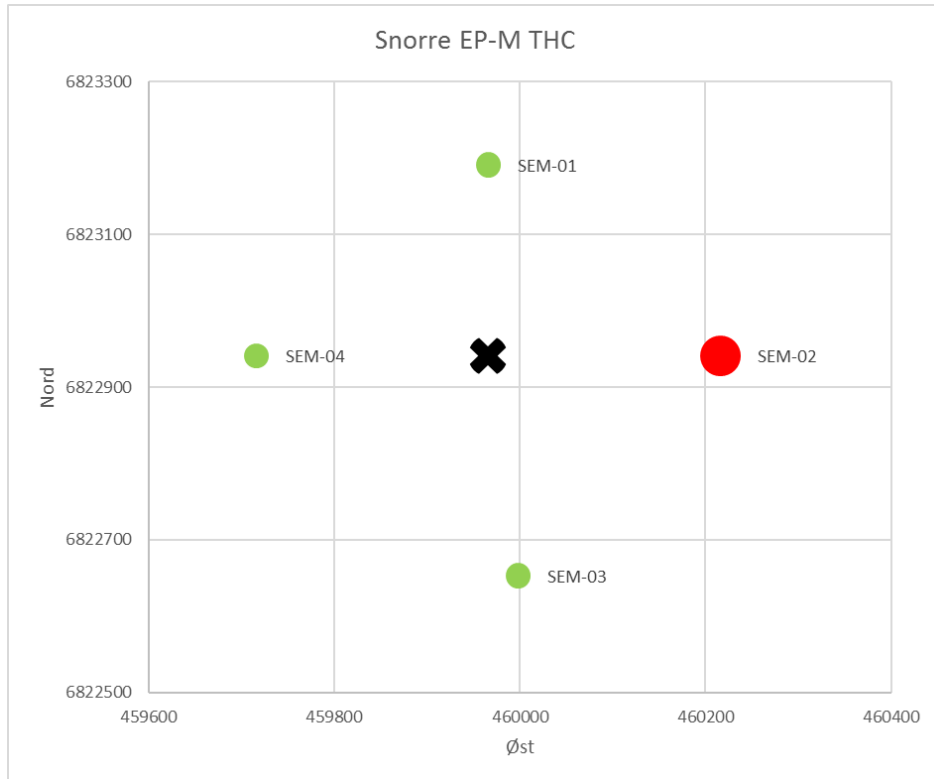
THC > 50 mg/kg



THC Snorre B



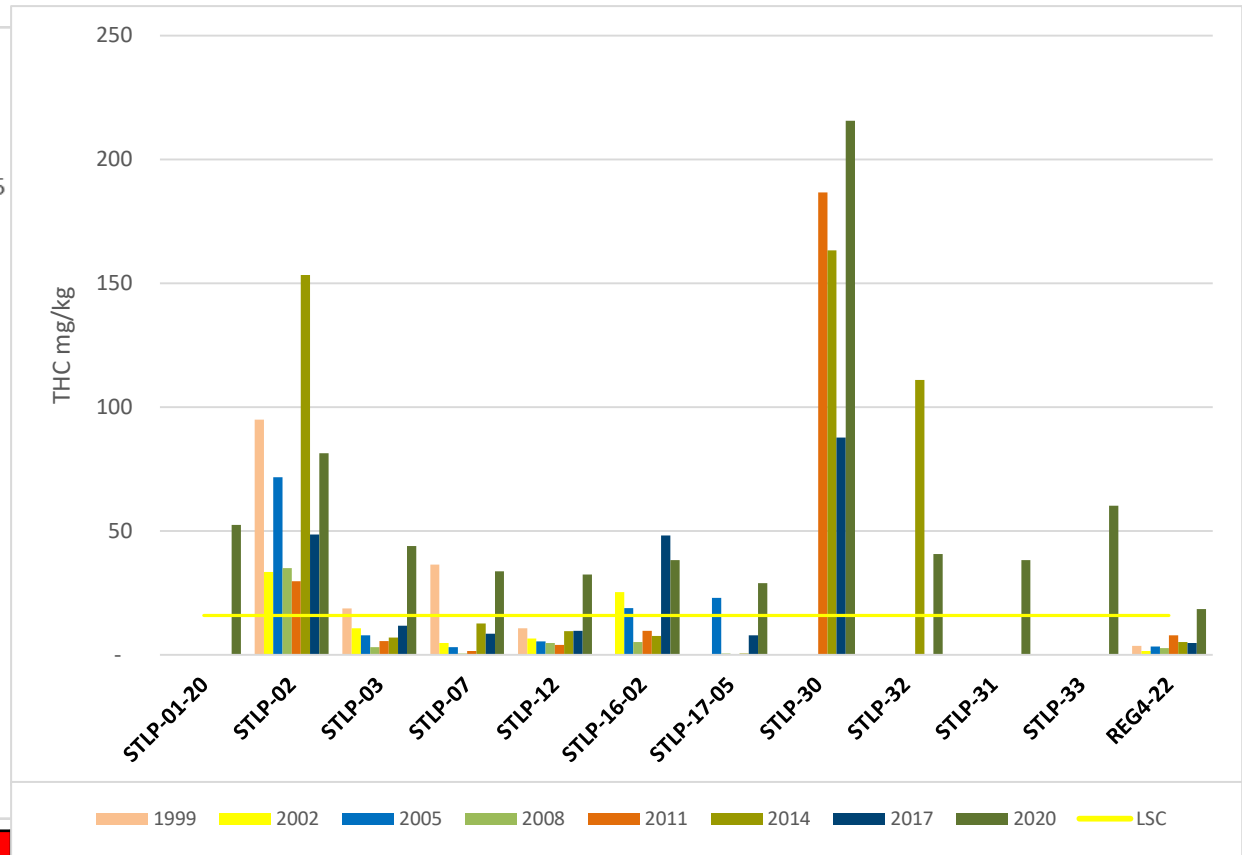
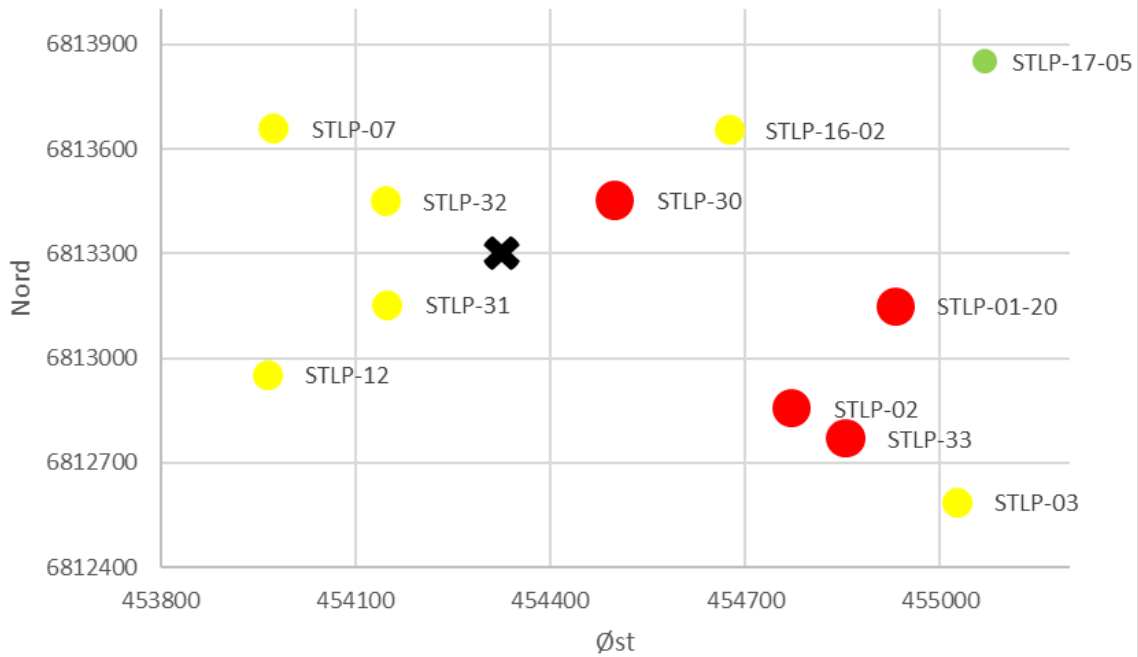
THC Snorre EPM



THC Snorre TLP

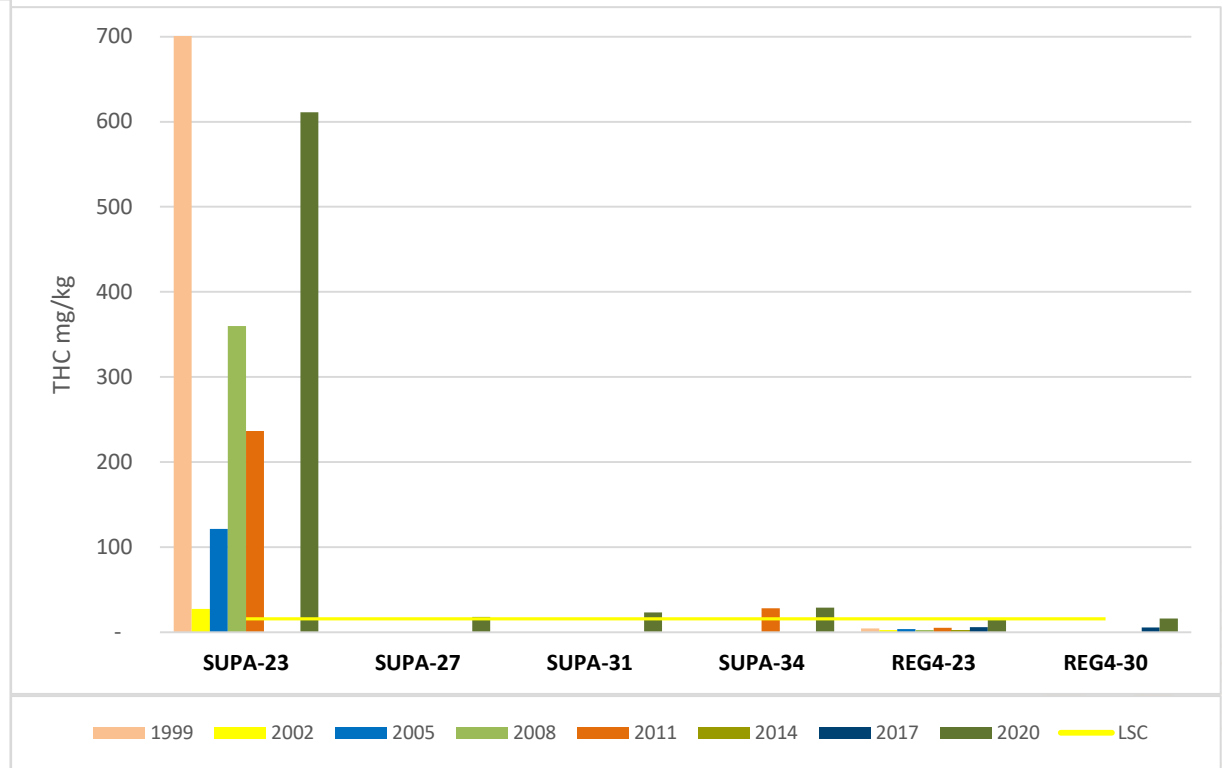
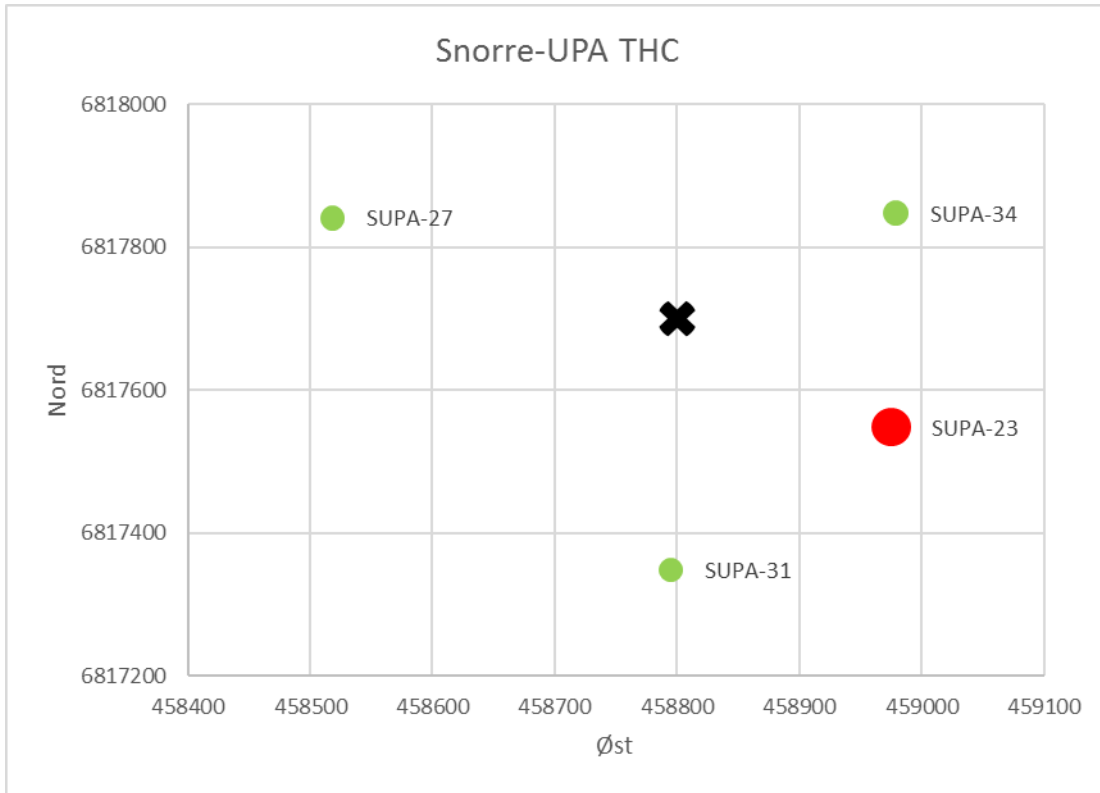


Snorre-TLP THC



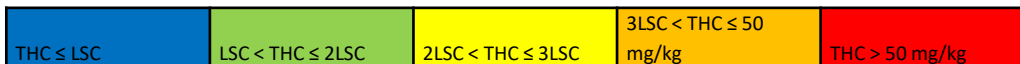
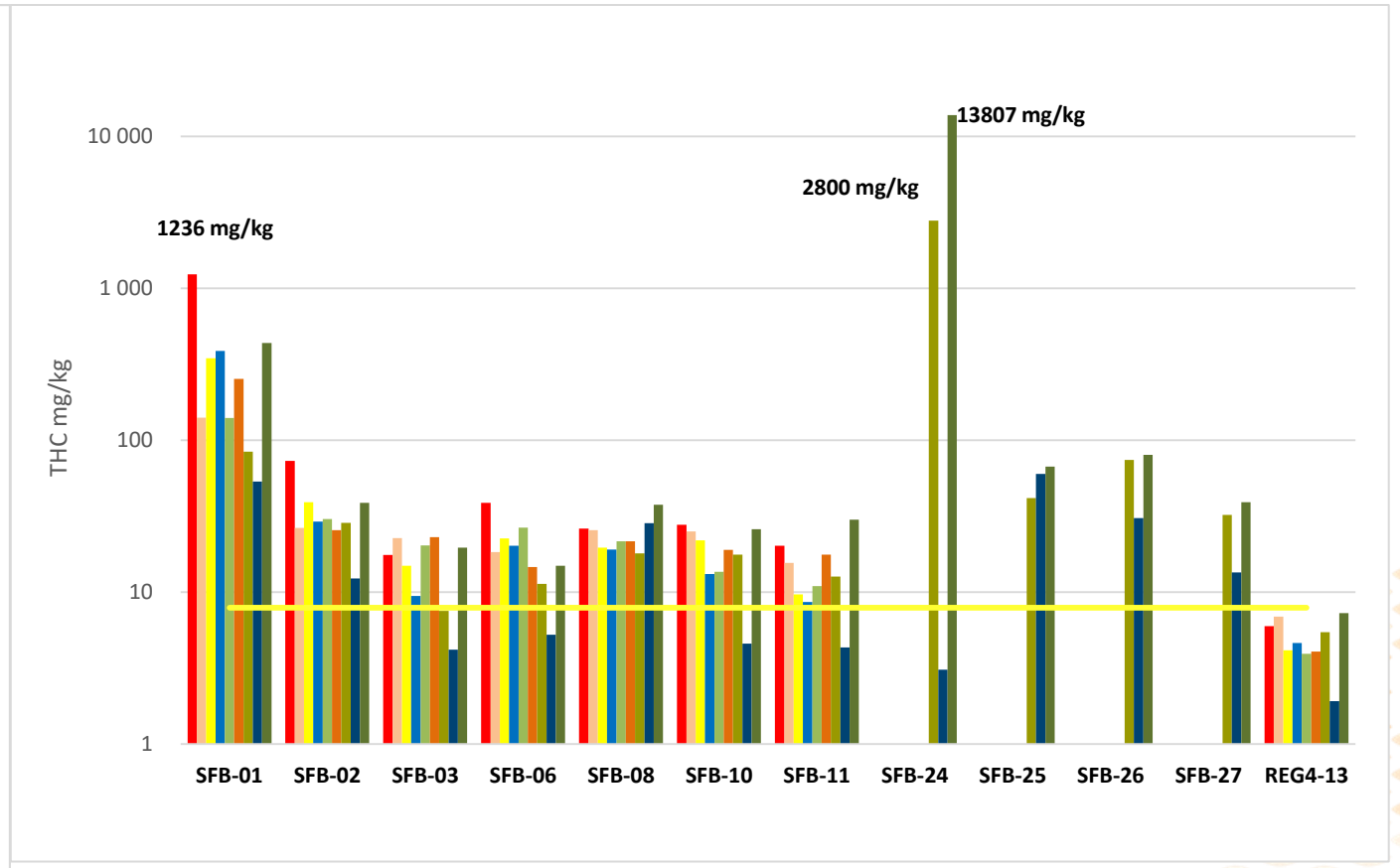
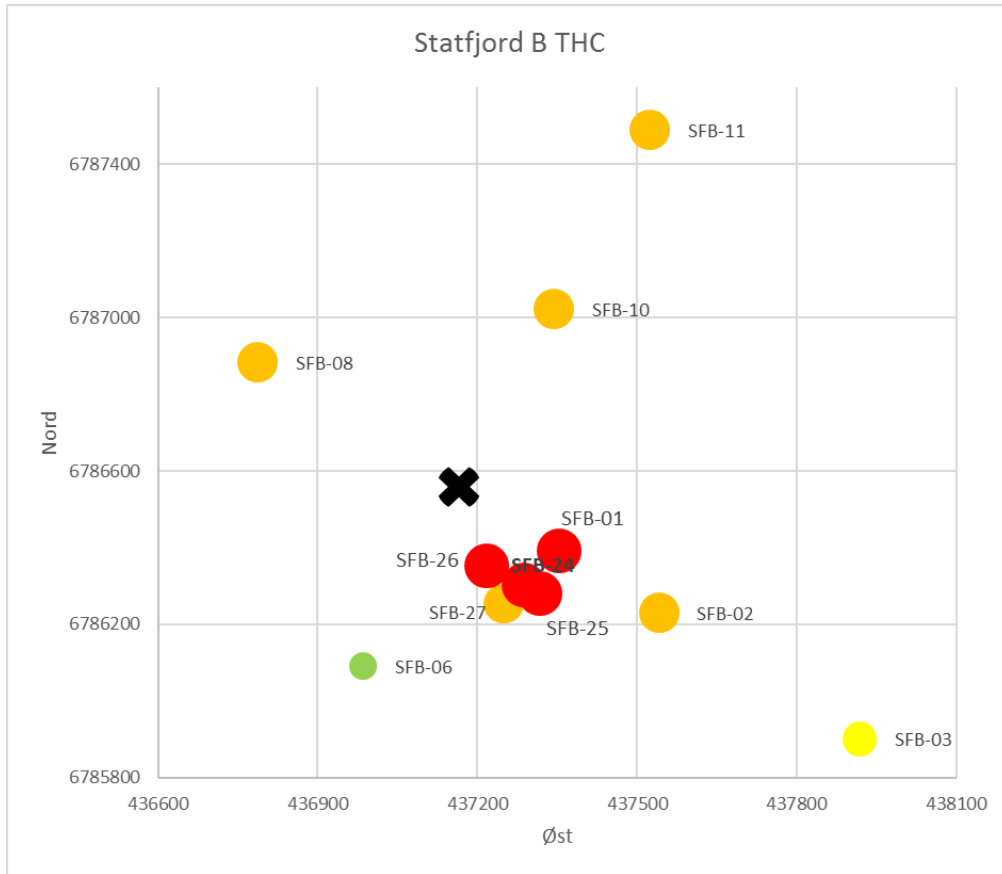
THC ≤ LSC LSC < THC ≤ 2LSC 2LSC < THC ≤ 3LSC 3LSC < THC ≤ 50 mg/kg THC > 50 mg/kg

THC Snorre UPA



THC ≤ LSC | LSC < THC ≤ 2LSC | 2LSC < THC ≤ 3LSC | 3LSC < THC ≤ 50 mg/kg | THC > 50 mg/kg

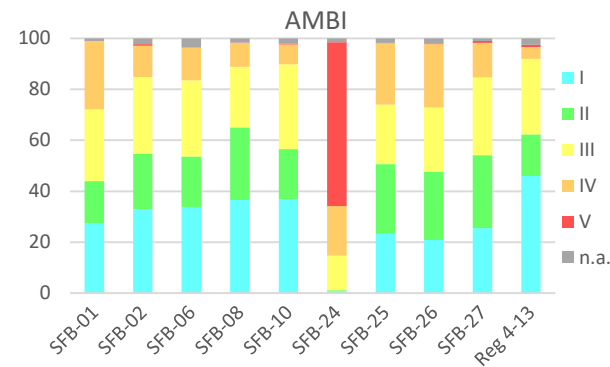
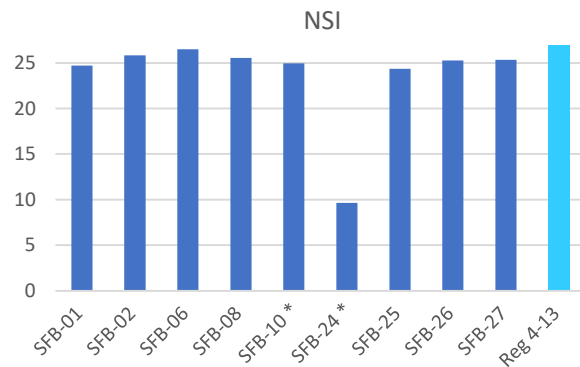
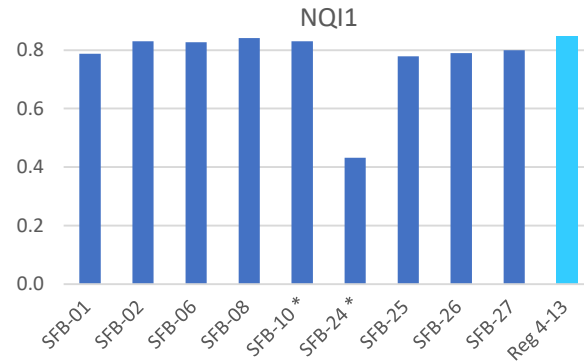
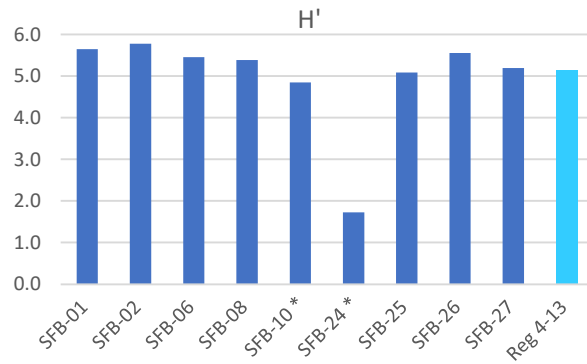
THC Statfjord B



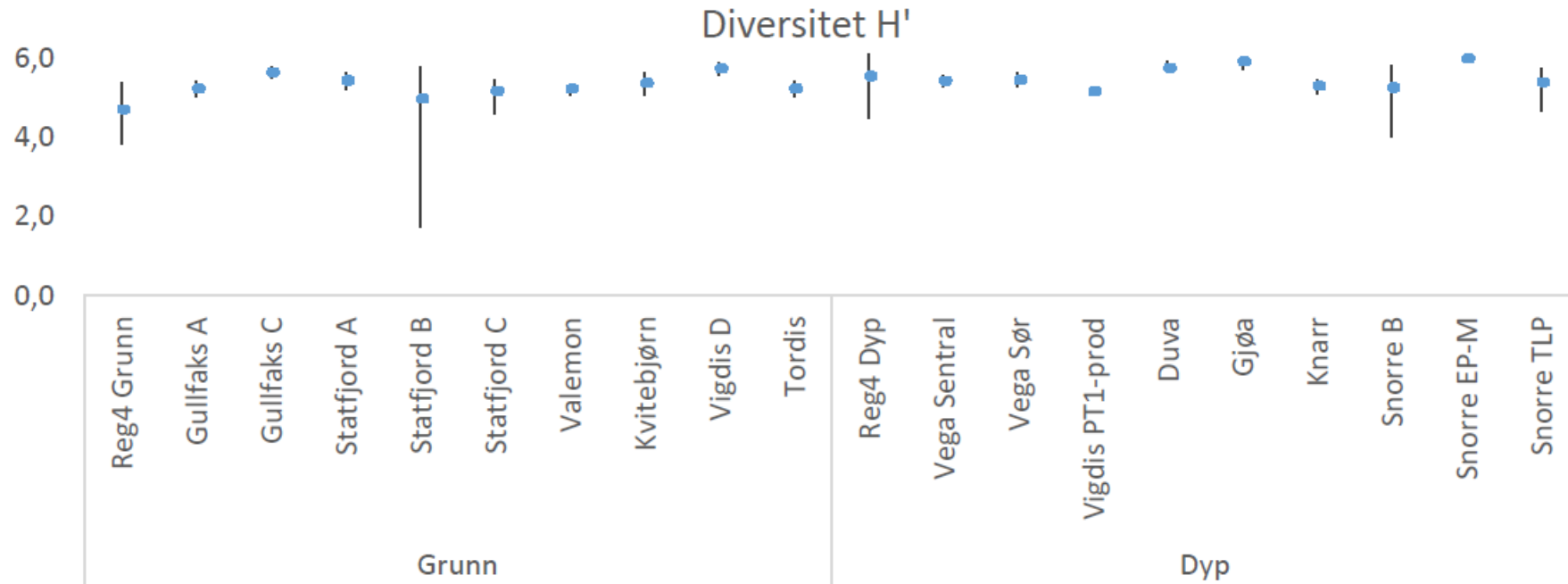
SFB-24



Statfjord B - Fauna



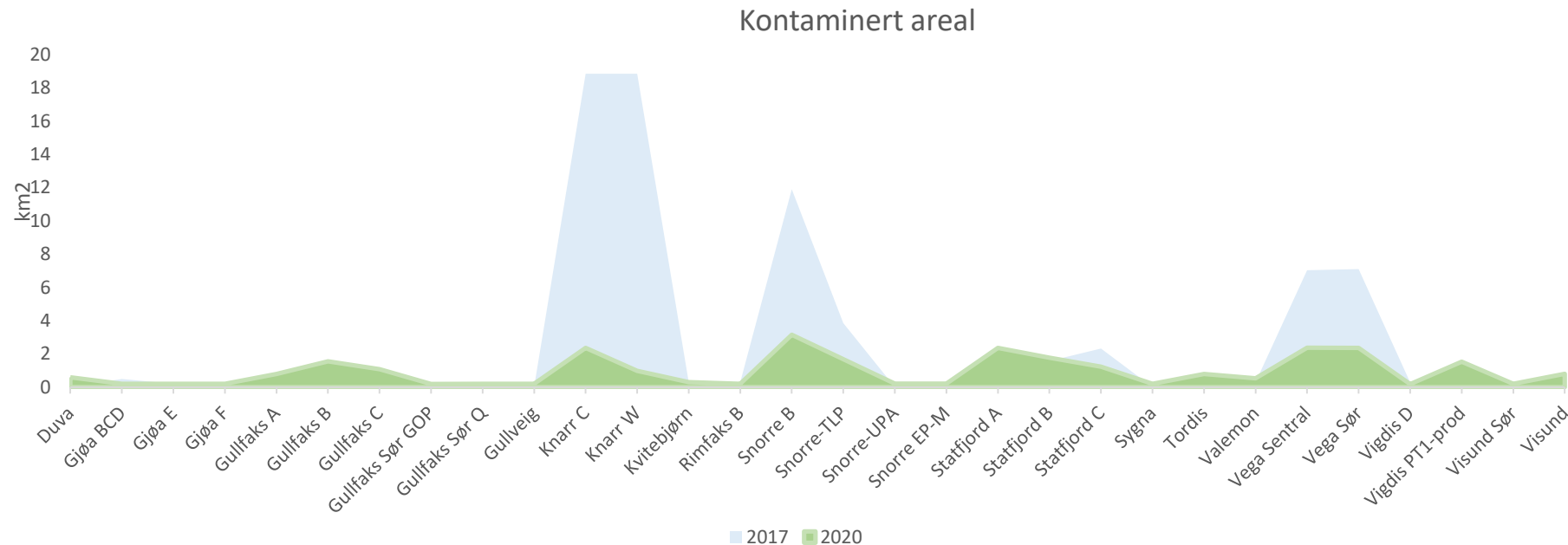
Fauna -Diversitet



Kontaminert areal



- Fra 80,30 til >28,61 km² med THC over LSC (felt undersøkt i 2015 og 2018), men ytterste stasjon er i mange tilfeller kontaminert.
- Antall stasjoner og innlemming av templat er ikke identisk mellom 2017 og 2020

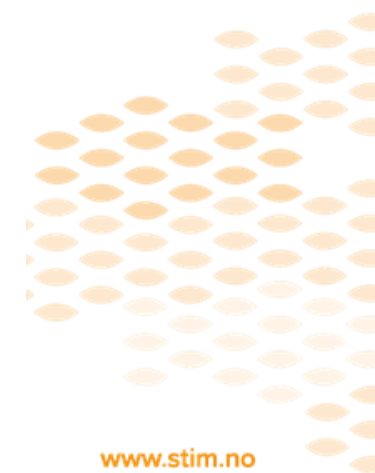
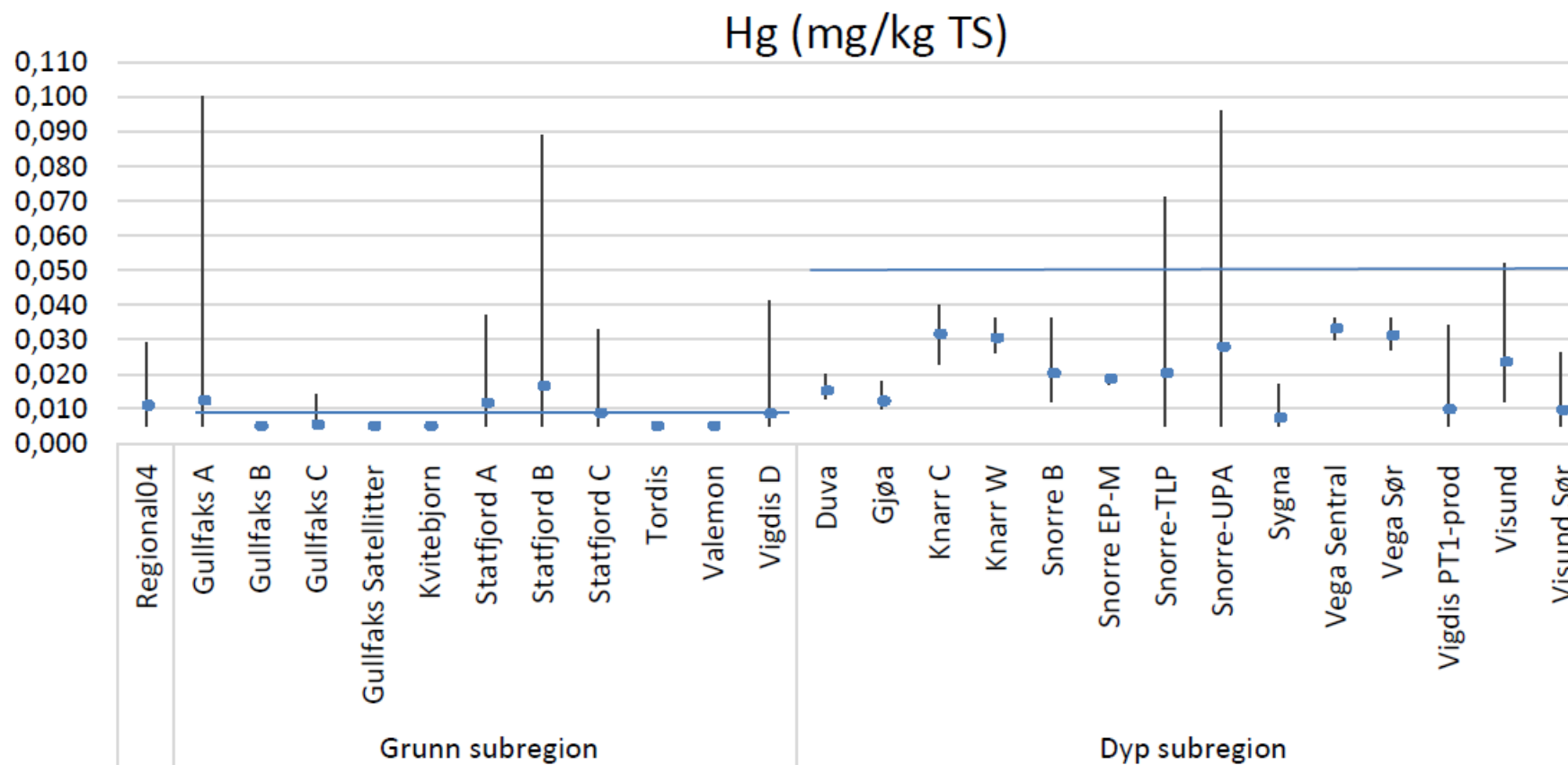




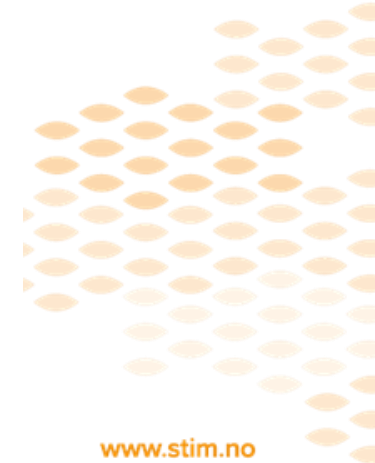
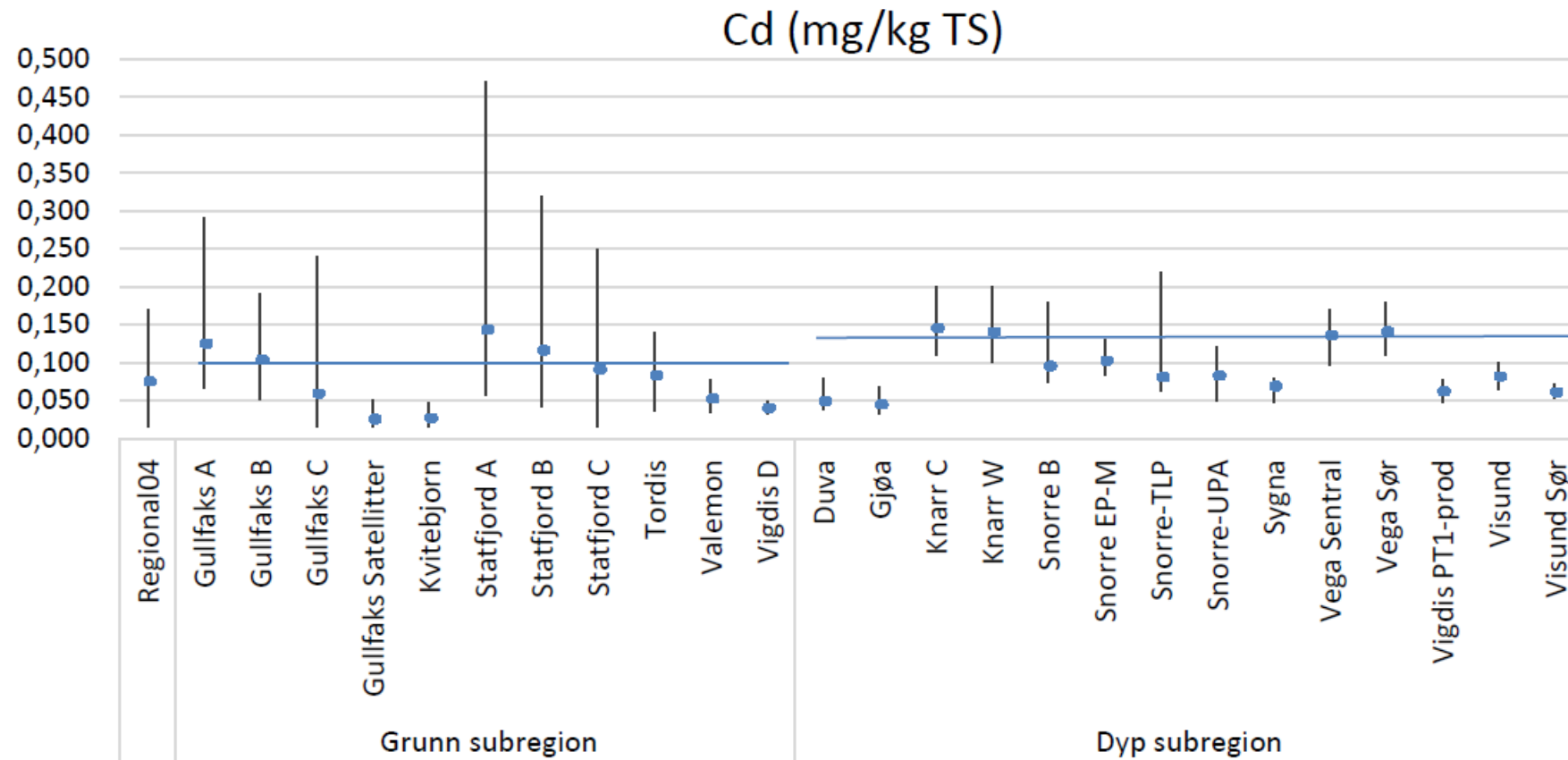
Takk for oppmerksomheten



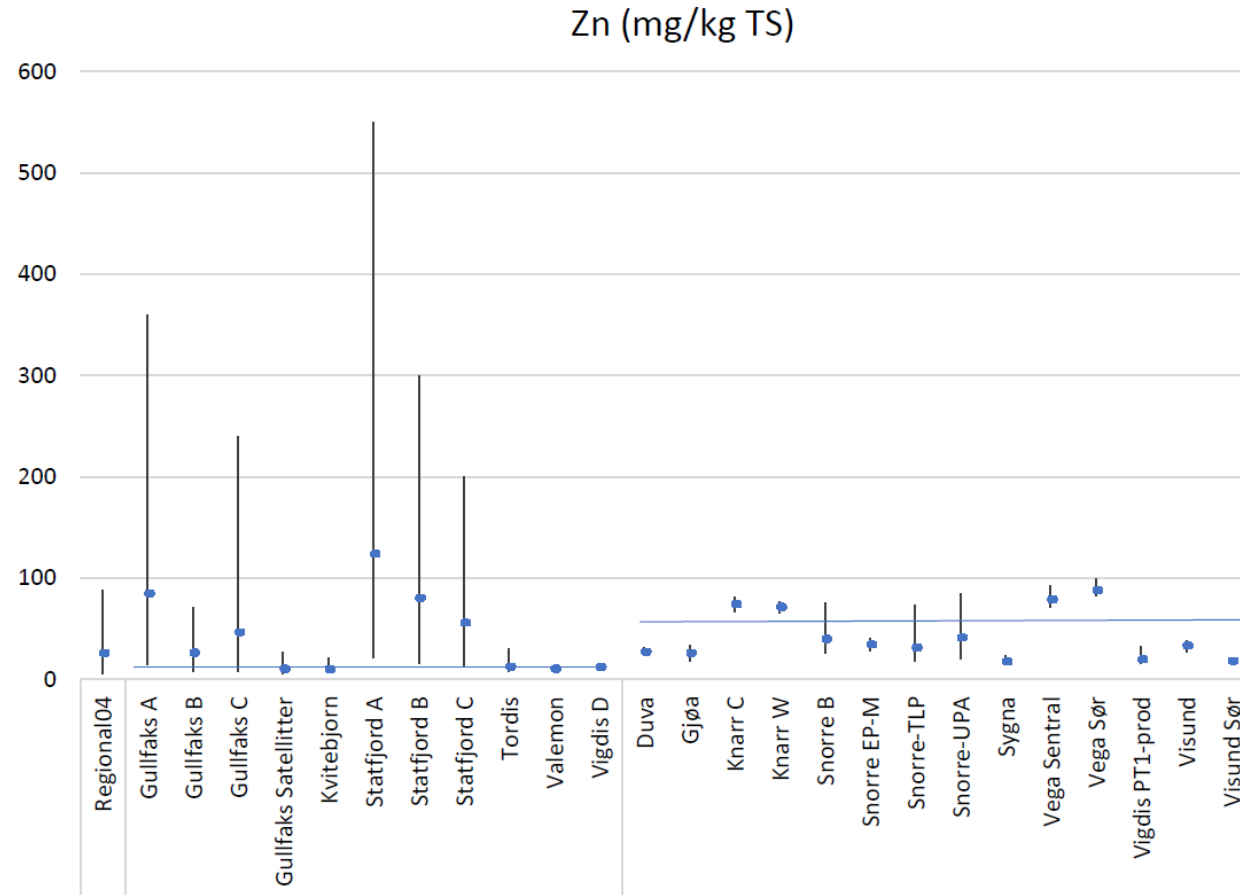
Kvikksølv



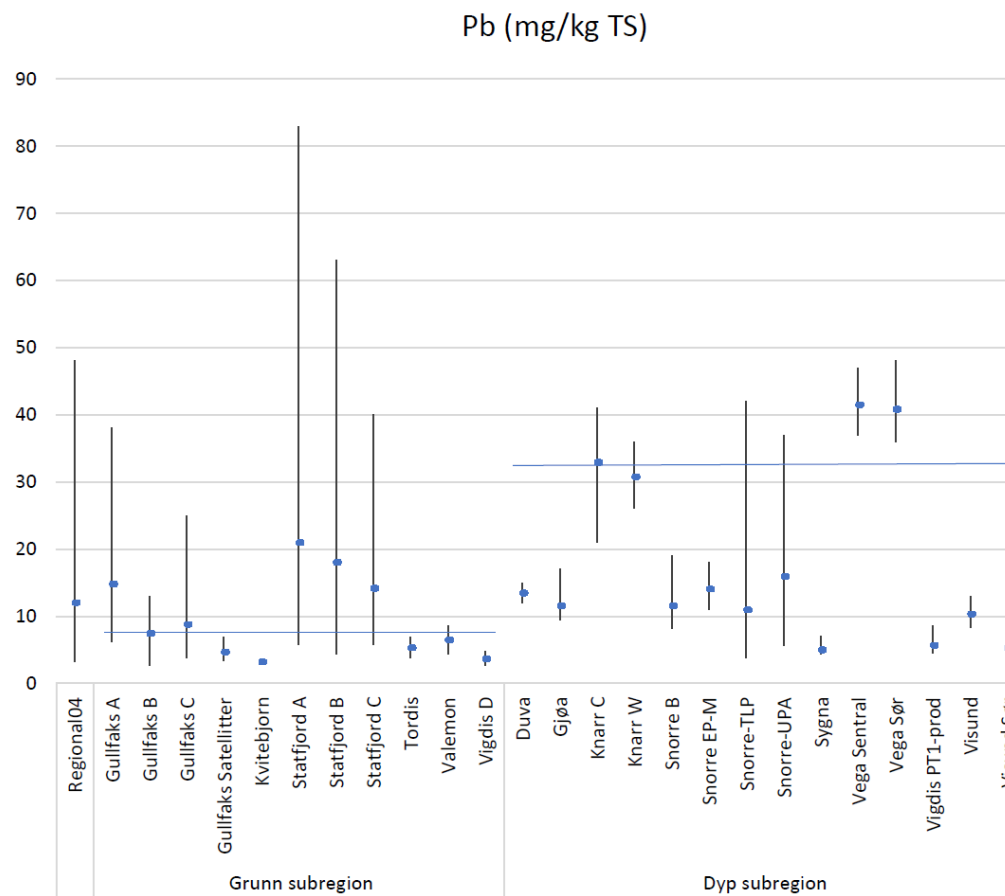
Kadmium



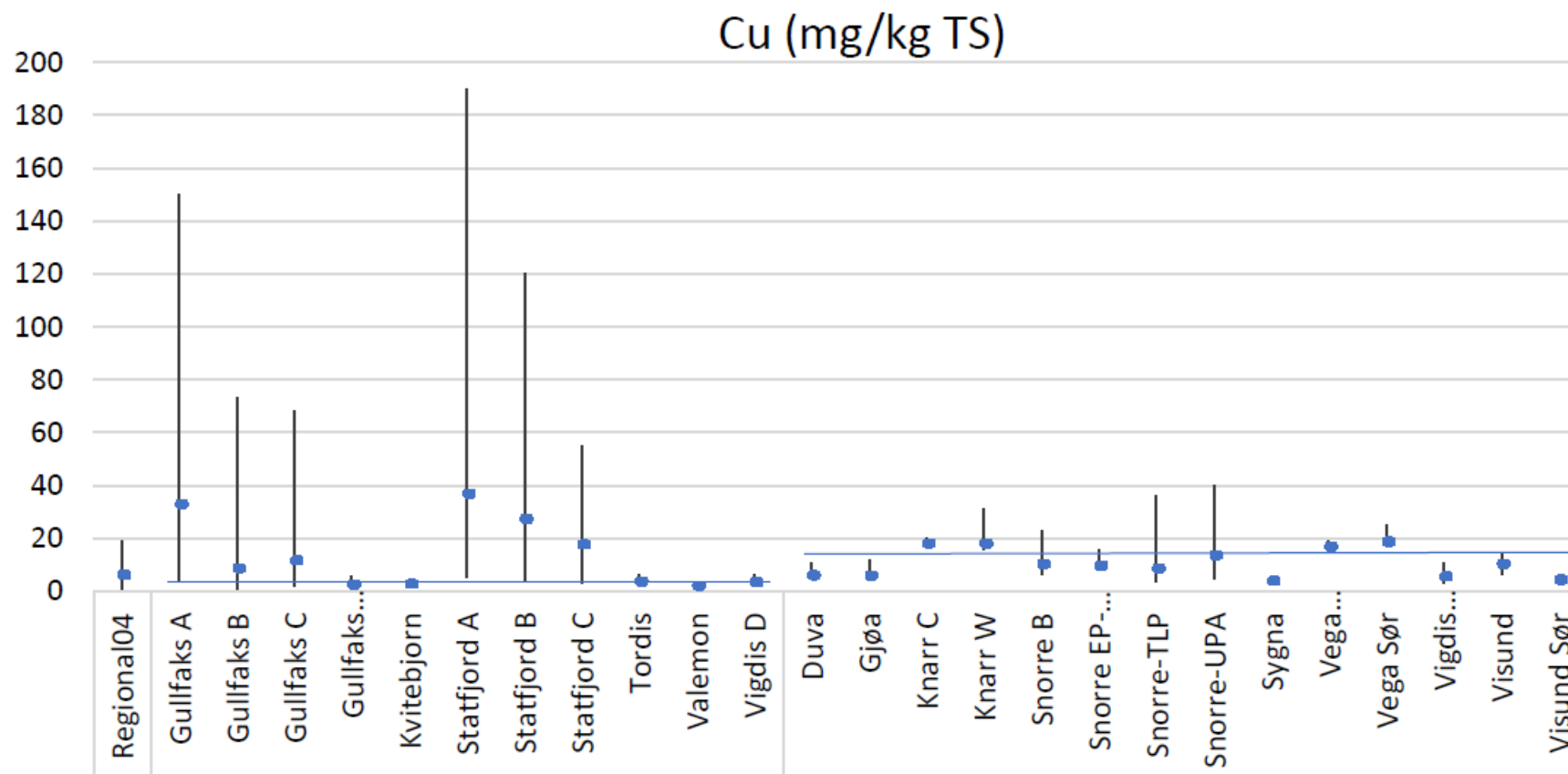
Sink



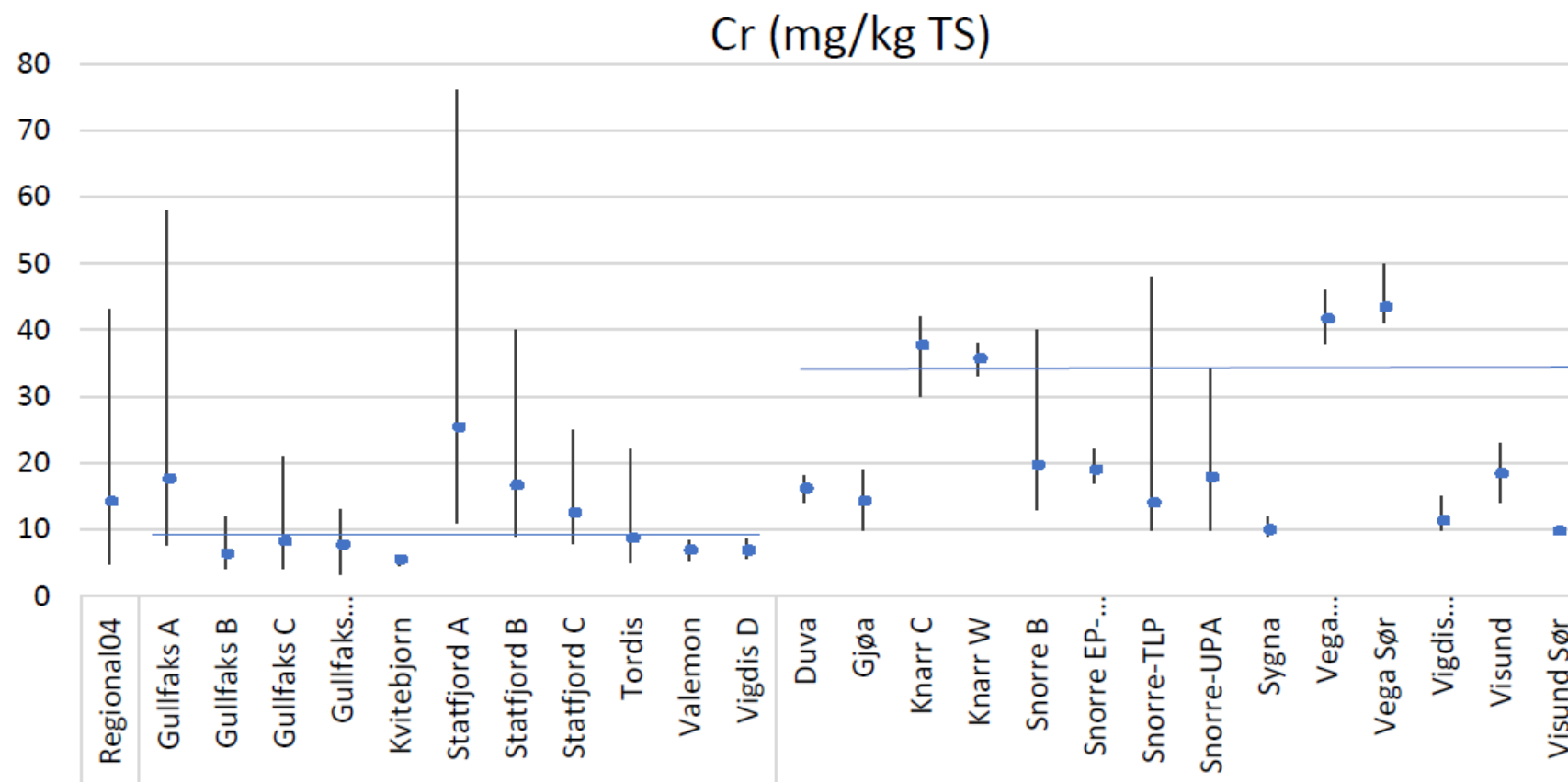
Bly



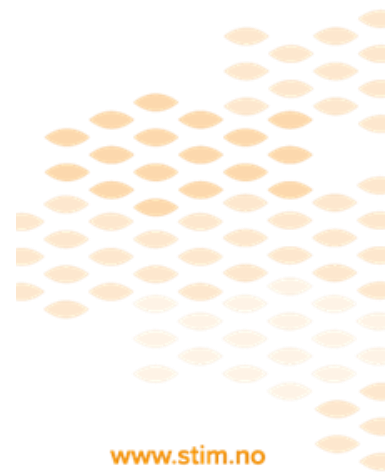
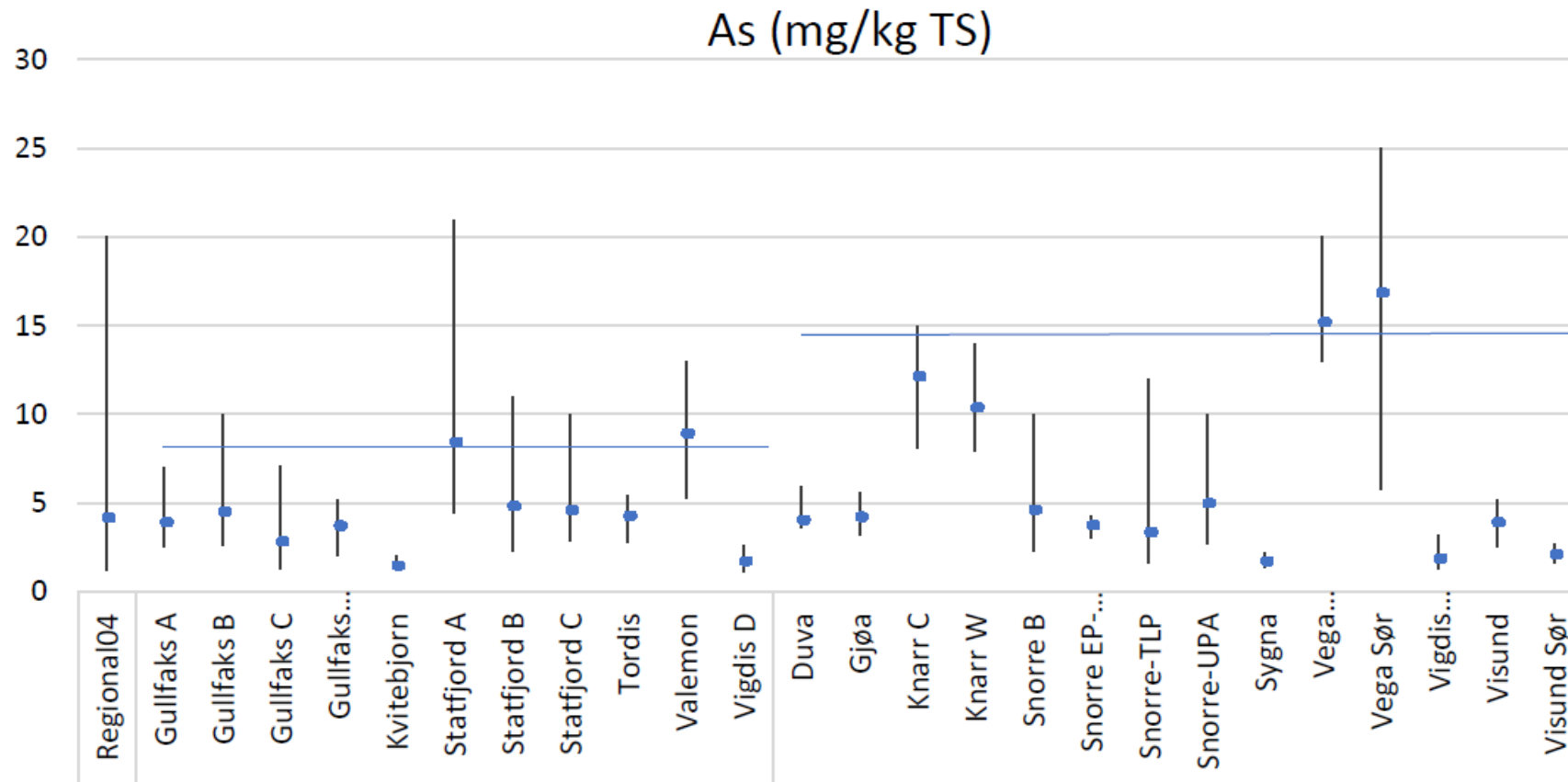
Kobber



Krom



Arsen



Titan

