

Er heita vatnið í Kollafirði burðardygt?

Vísindavøkan 2018

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Ph.d. lesandi

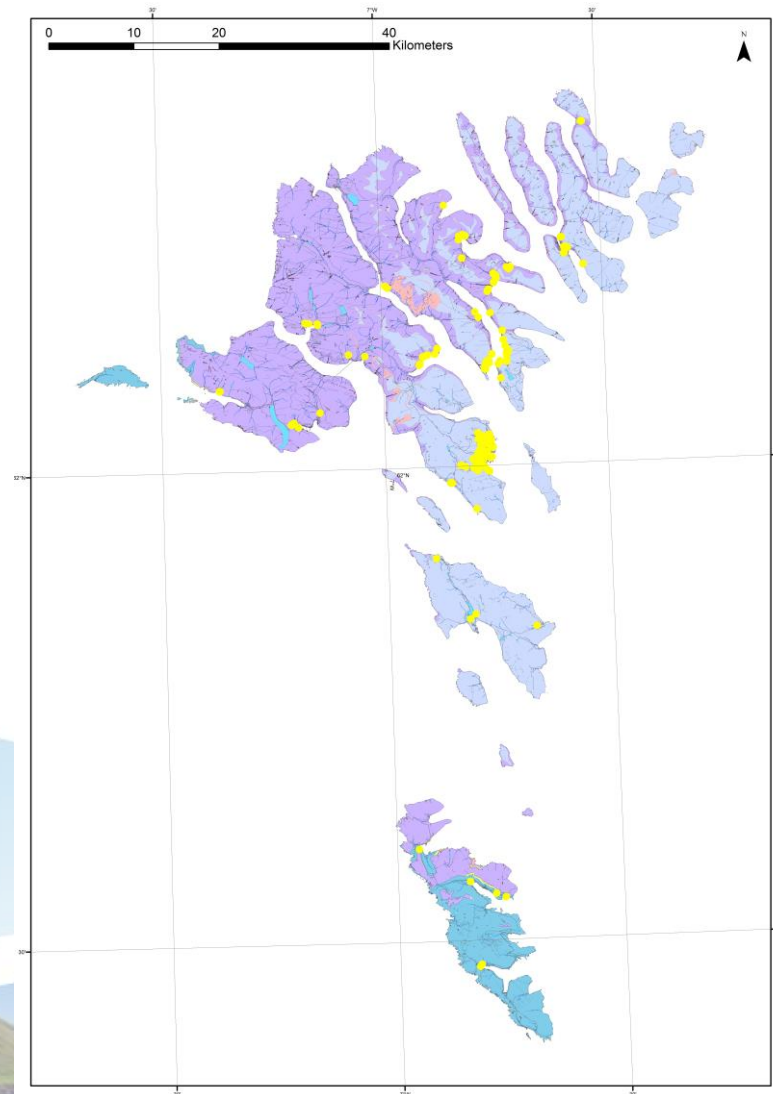


Heitt vatn í Føroyum

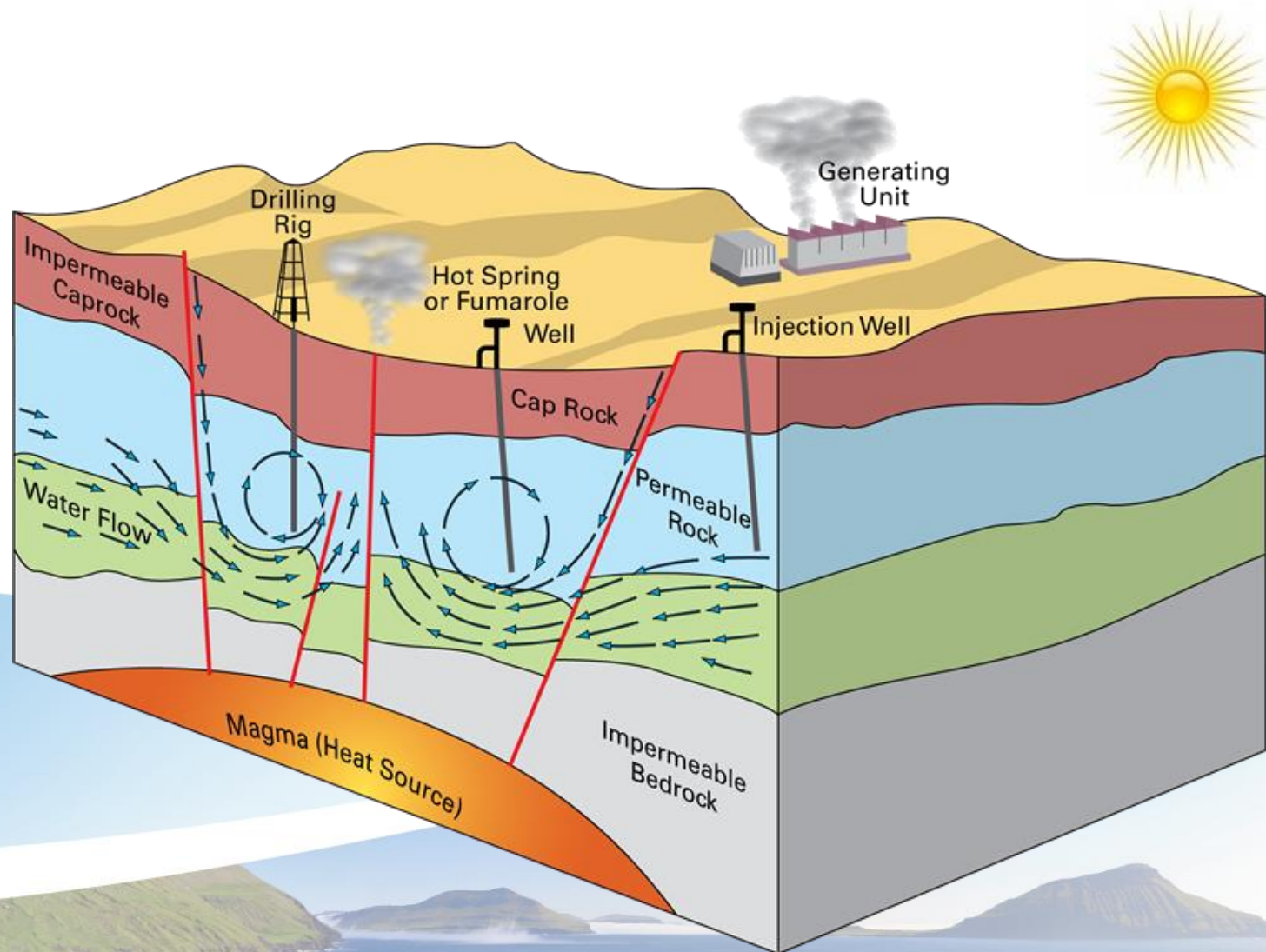
- Debes 1673
- Heit kelda í Fámjien



Jarðhitaboringar síðani 2008

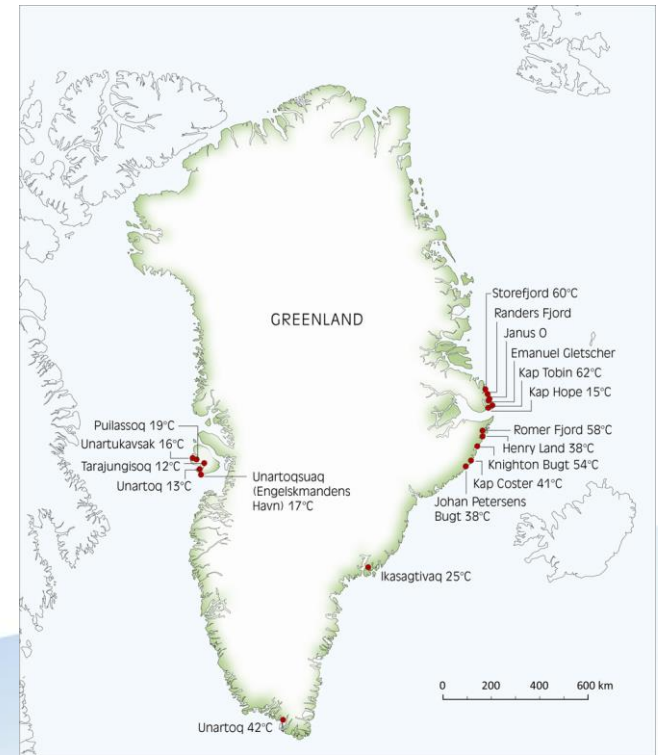


Geothermalur gradientur – Føroyar $\approx 3^{\circ}\text{C}/100\text{m}$

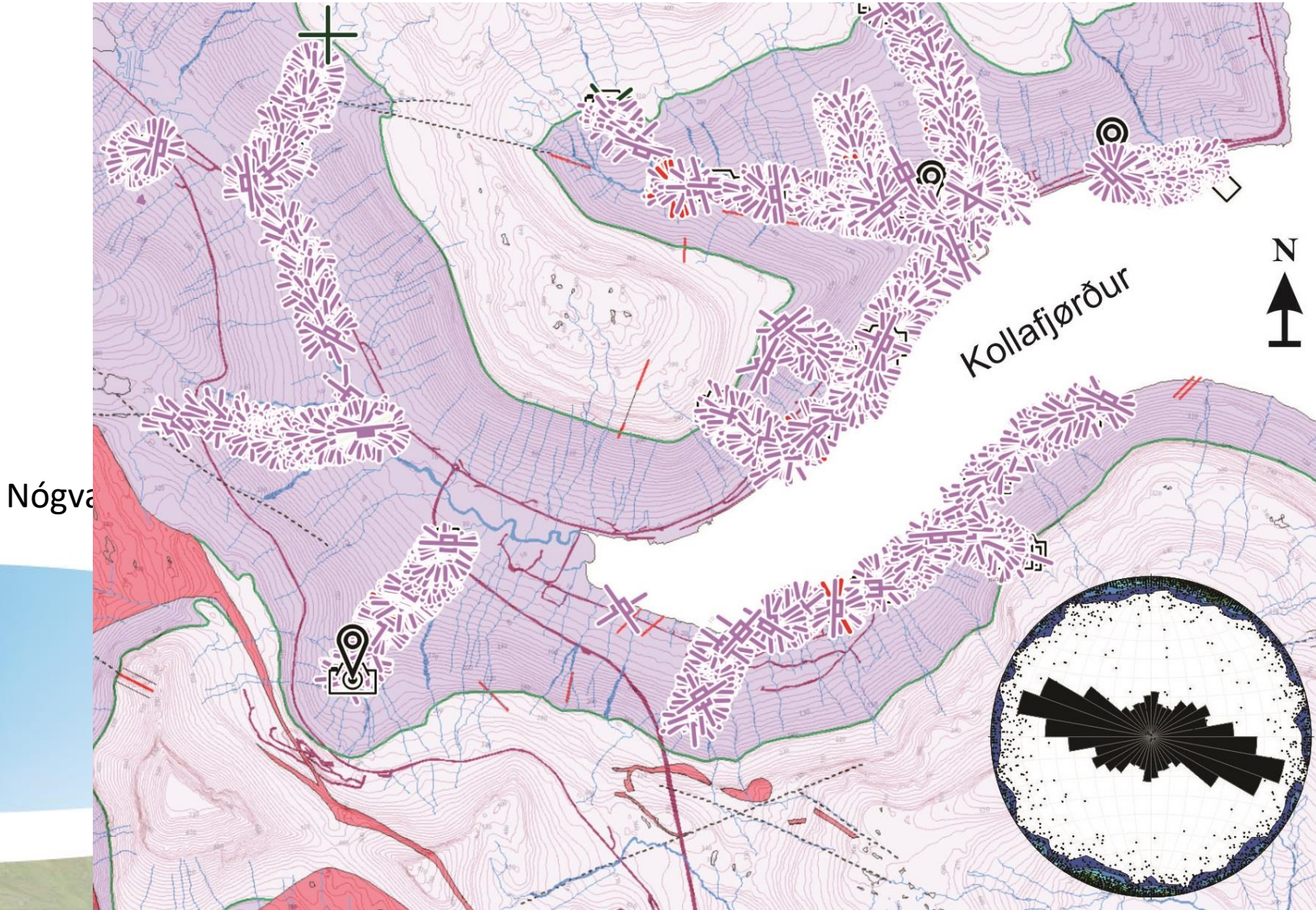


Kanningar aðrastaðni hava víst:

- Áhugaverdir analogar eru at finna á Disko og á eystursíðuni á Grønlandi
- Ísland (lá temperature øki)
- Columbia River (USA)
- Deccan (India)



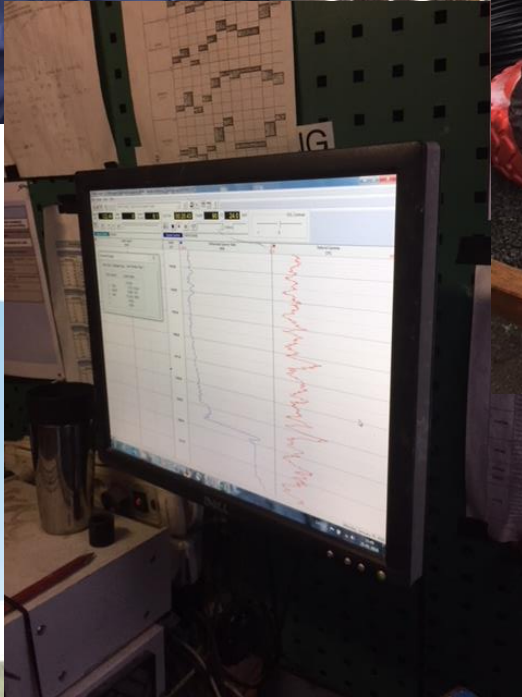
Kollafjørður



5 boringar – 4 privatar og ein royndarboring



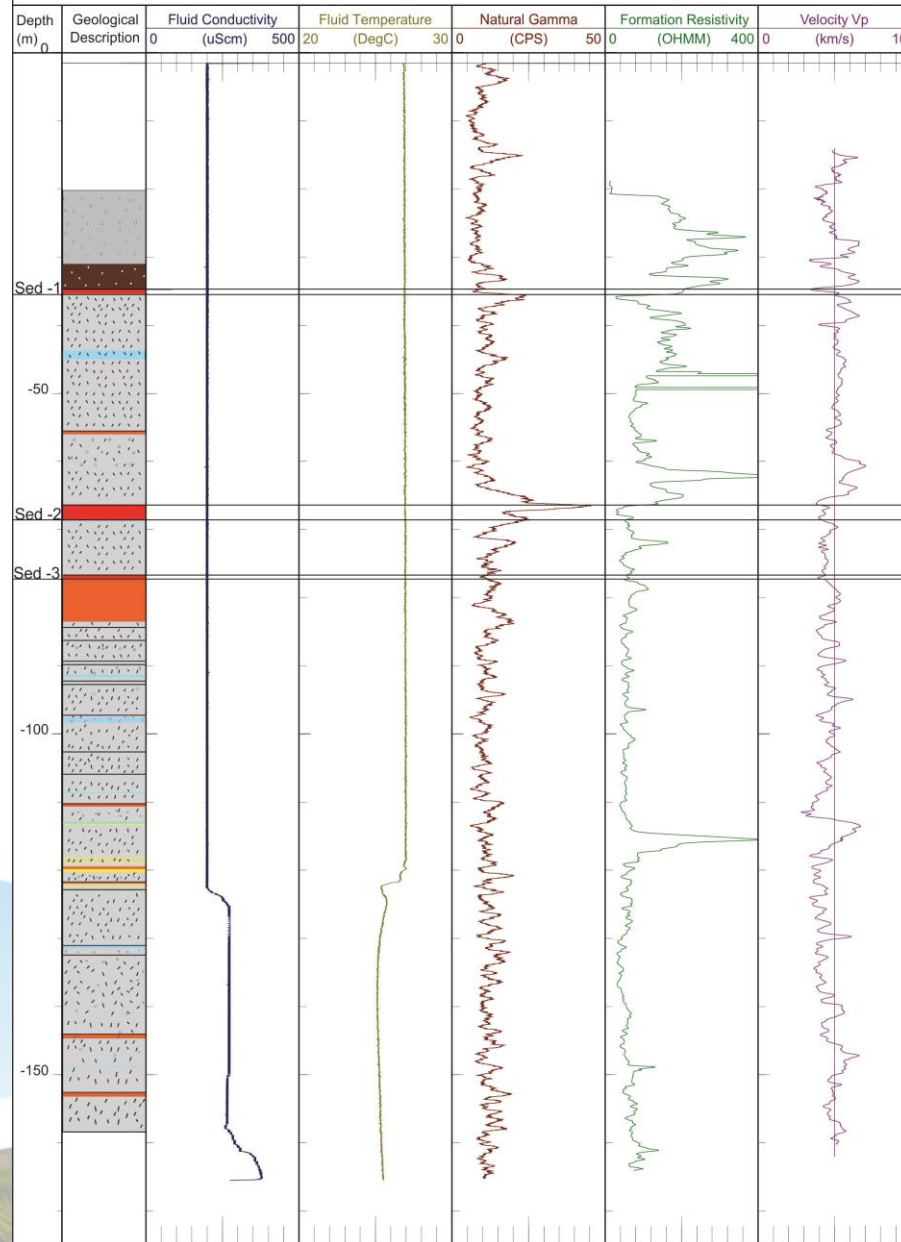
Nærri kanningar í 2016 – B3, B4 & UB1



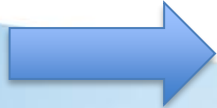
B3

Lyngnes, Kollafjørður, Faroe Islands

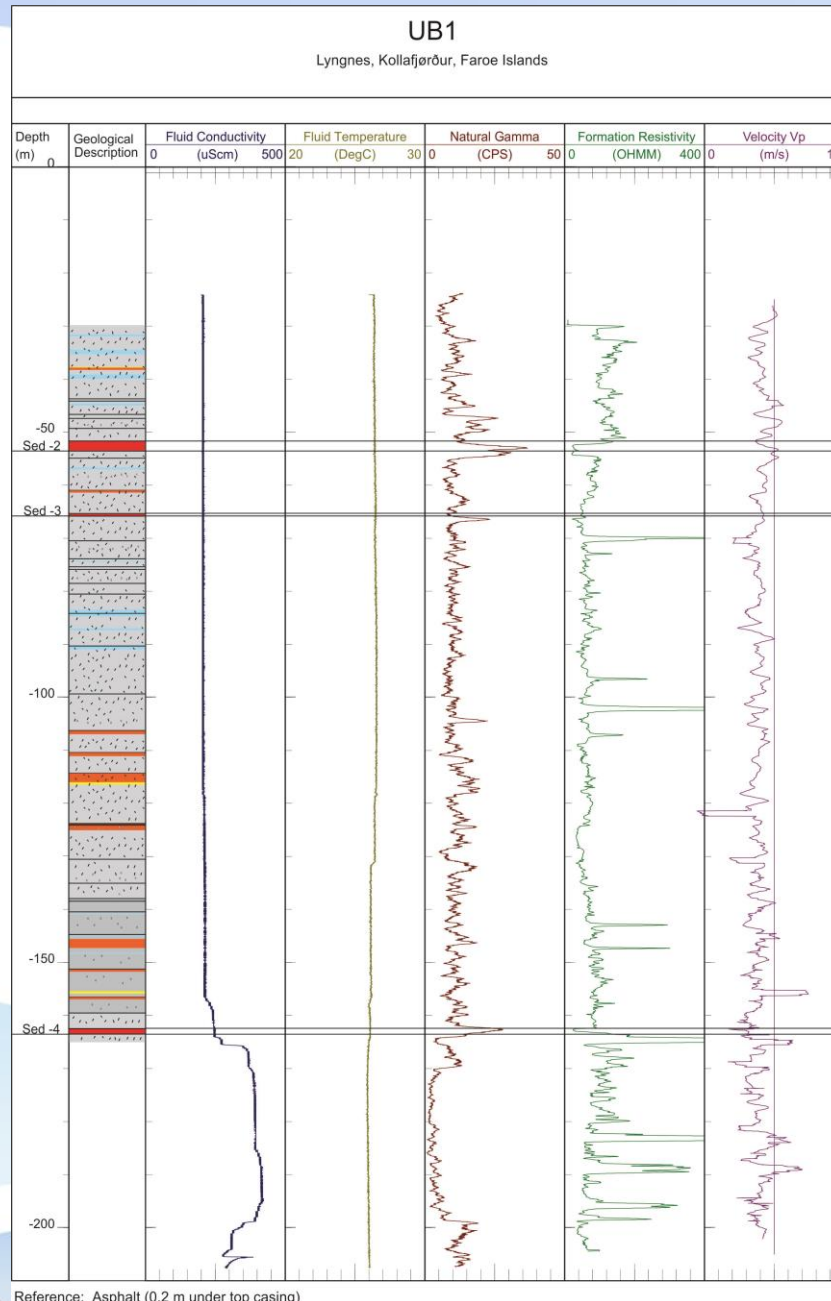
Úrslit - B3



Vatn (uml. 95%)



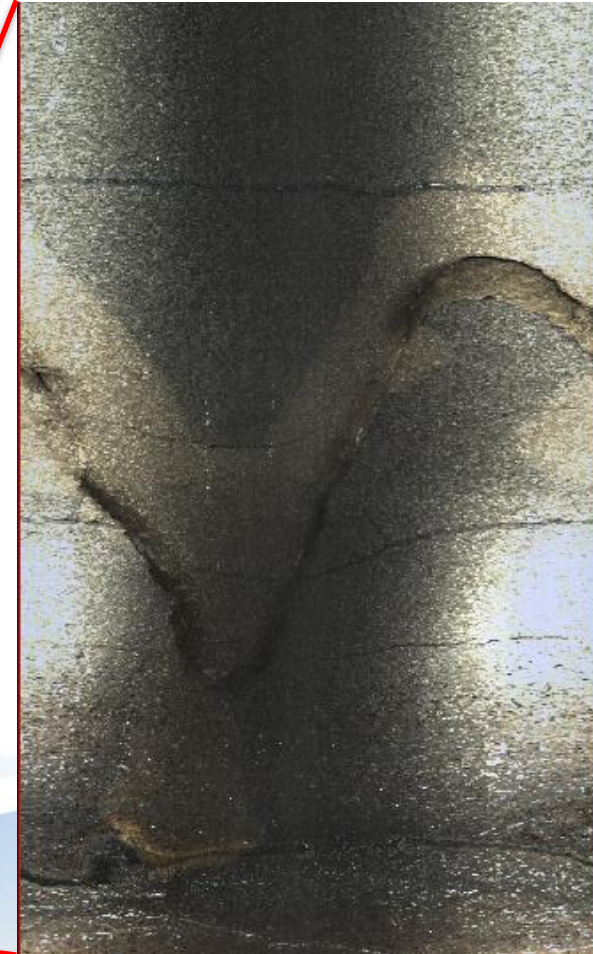
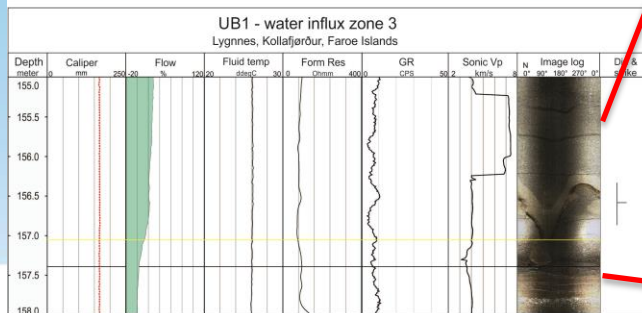
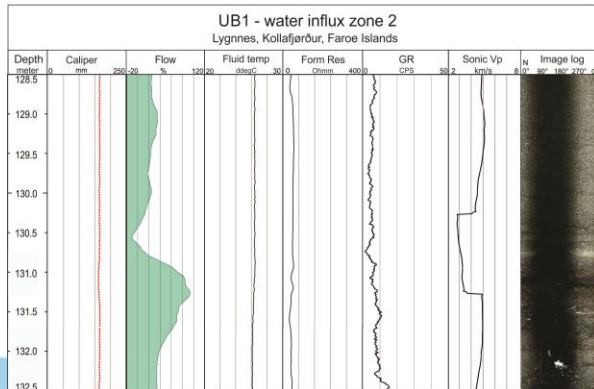
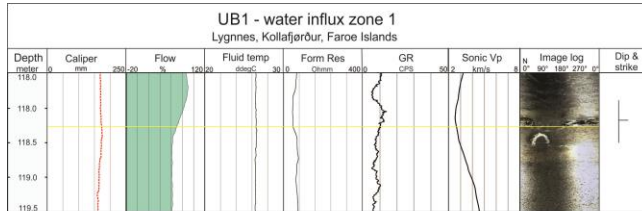
Úrslit - UB1



Reference: Asphalt (0,2 m under top casing)

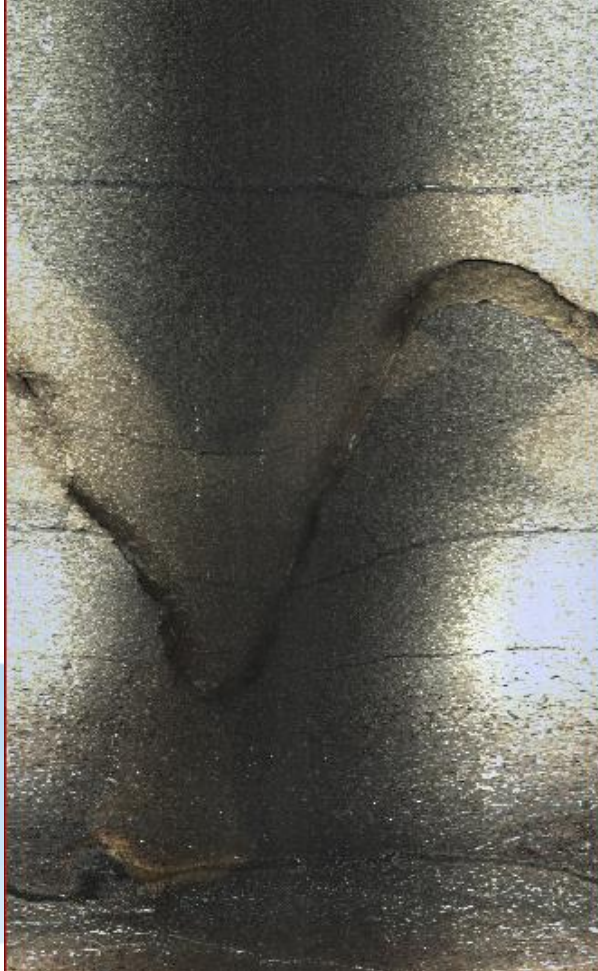
UB1 – Vatnførandi zona 3 (156,5-157m)

0° 90° 180° 270° 360°



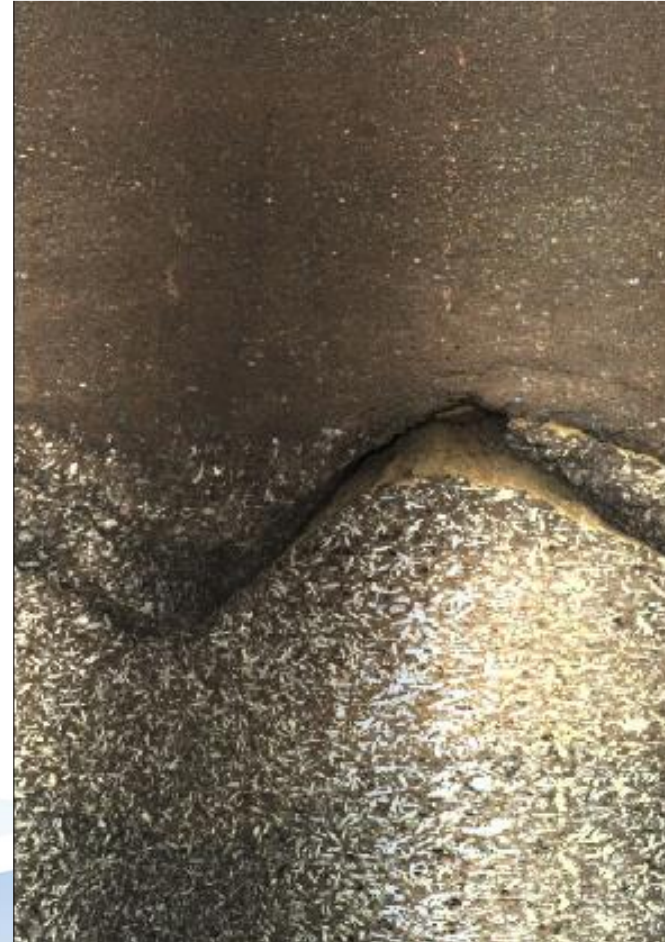
UB1

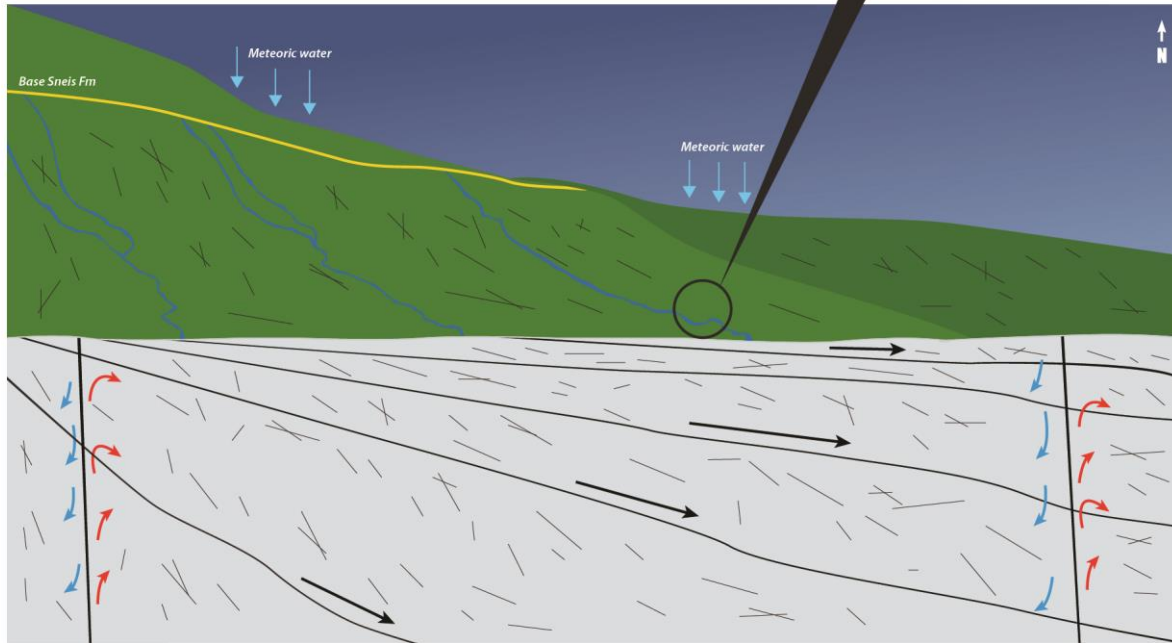
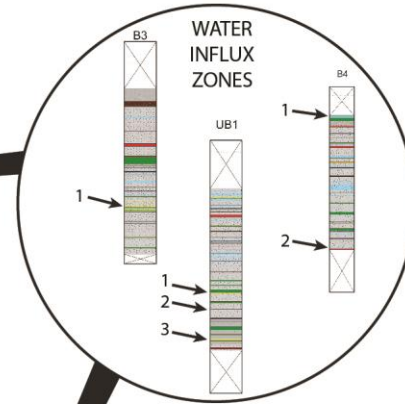
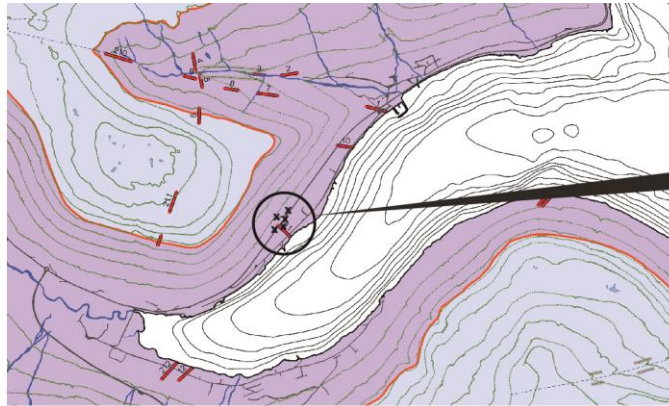
0° 90° 180° 270° 360°



B3

0° 90° 180° 270° 360°



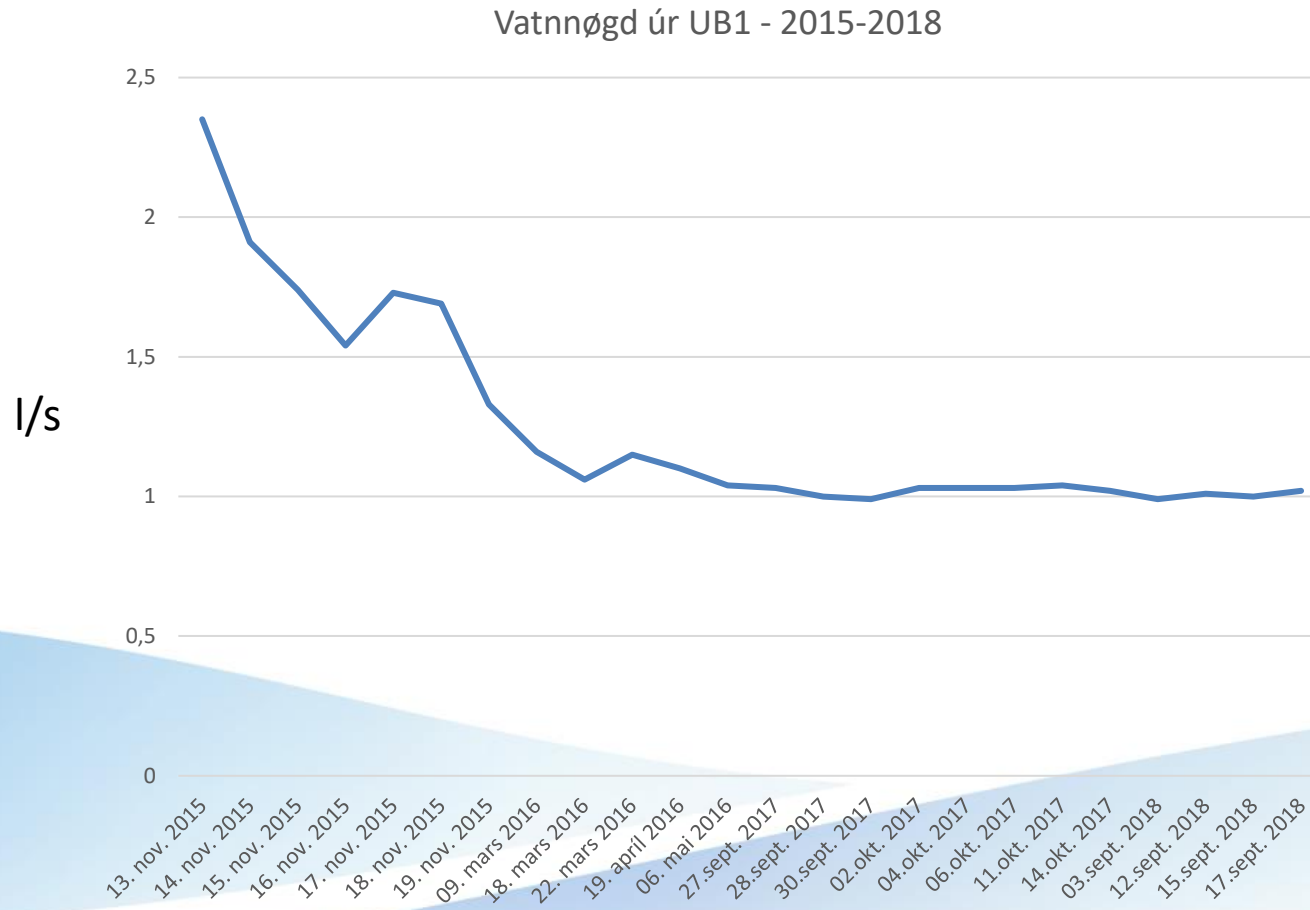


Burðardygt?

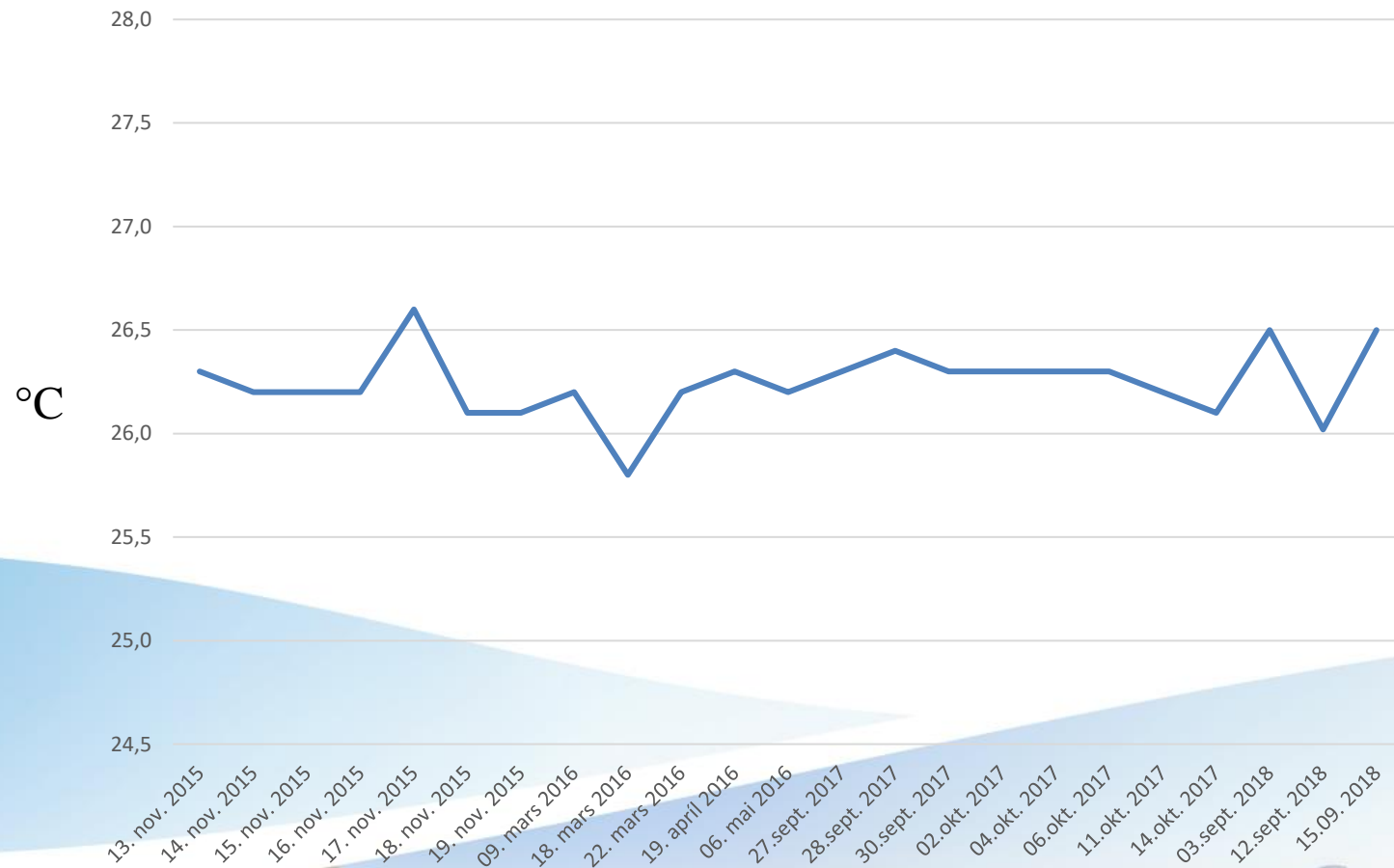
1. Broytingar í rensl- og hitamátingunum
2. Aldurin á vatninum



Samla yvirlit:



Hitamátingar í UB1 - 2015-2018



Aldurin á vatninum

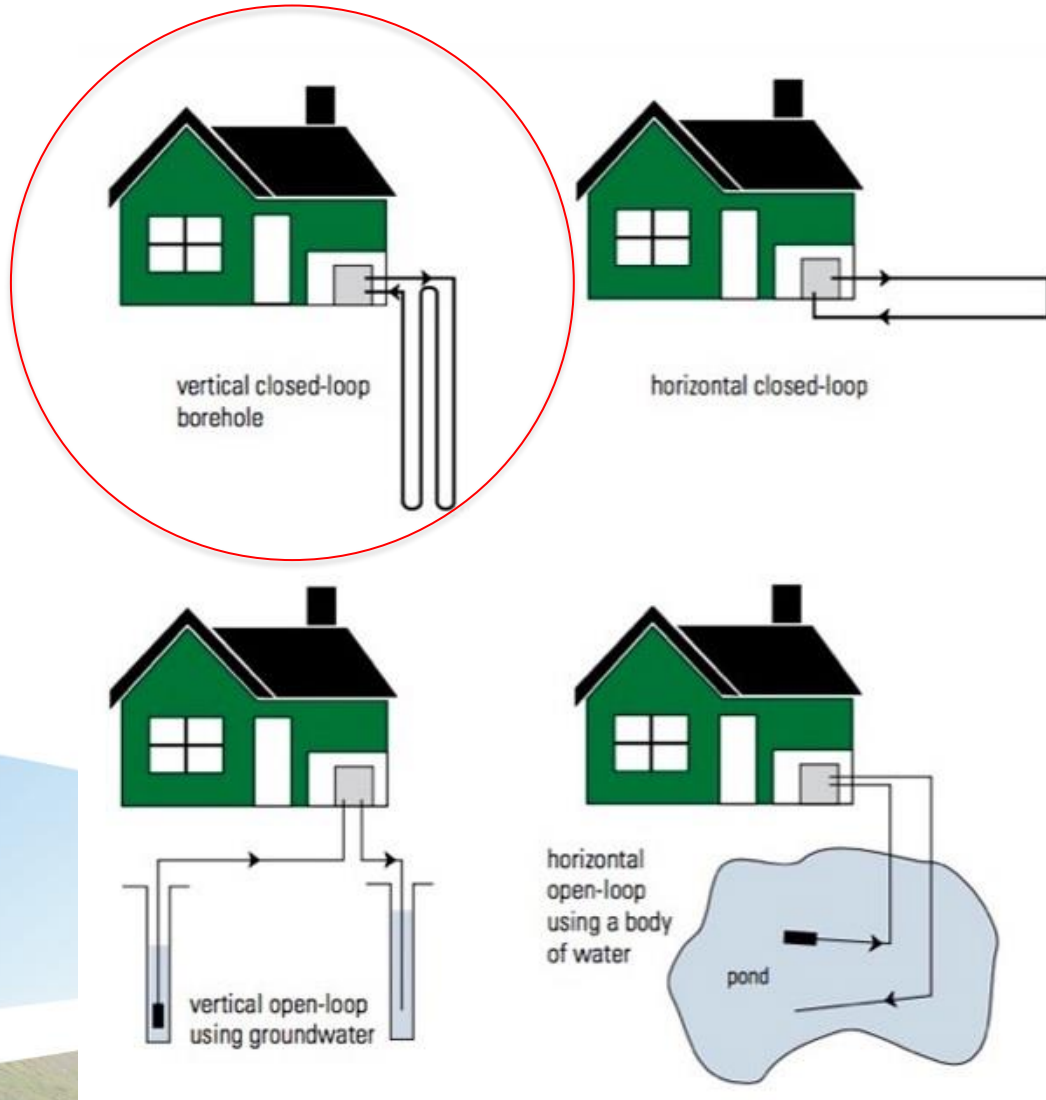
Tritium kanningar

- Vestmanna - ½ ár
- Varmakelda - 3 ár
- Køld kelda - 2 ár

- Vatnið er regnvatn



Best útnýttta?



Drekkivatnsmøguleikar?

- Velur man eitt closed loop system – kann vatnið so bindast í drekkivatnsskipanina á staðnum?
- Hetta fara vit at kanna nærri í næstum



Takk fyri

