

Er heita vatnið í Kollafirði burðardygt?

Vísindavøkan 2018

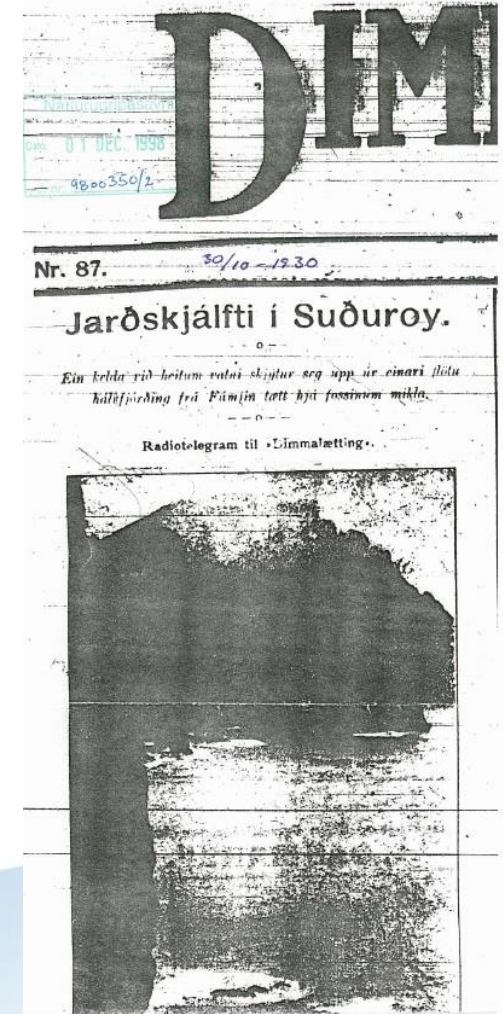
Óluva R. Eidesgaard, jarðfrøðingur

Ph.d. lesandi

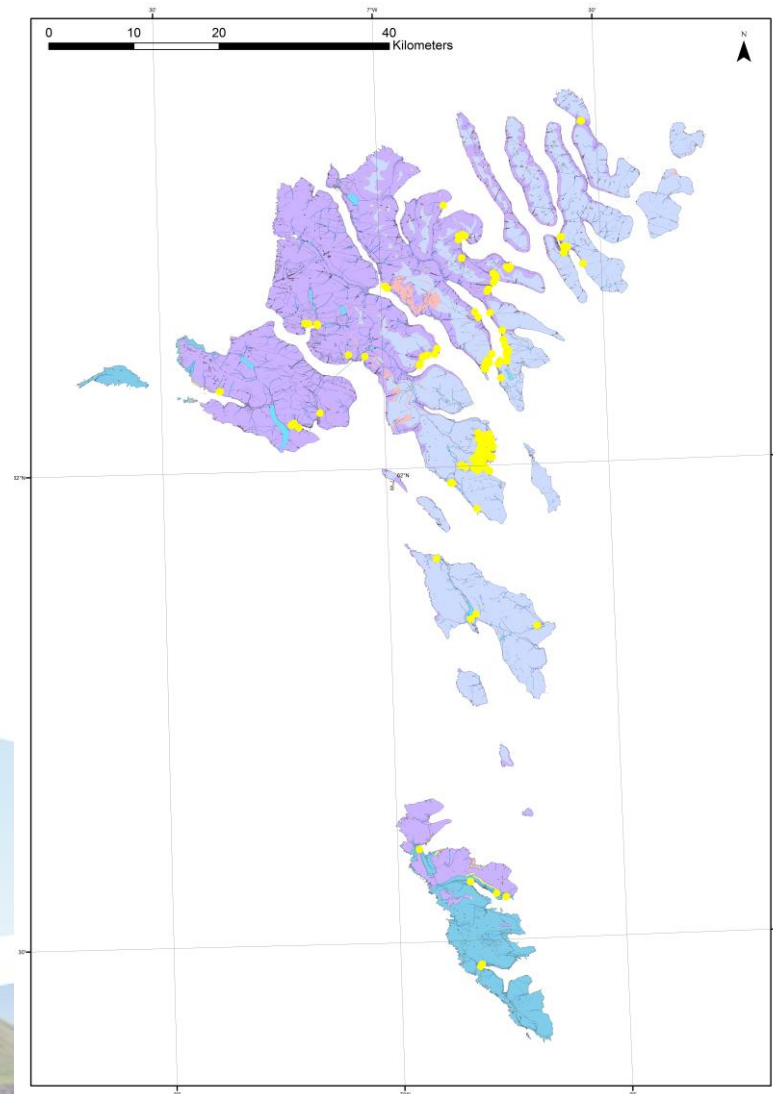


Heitt vatn í Føroyum

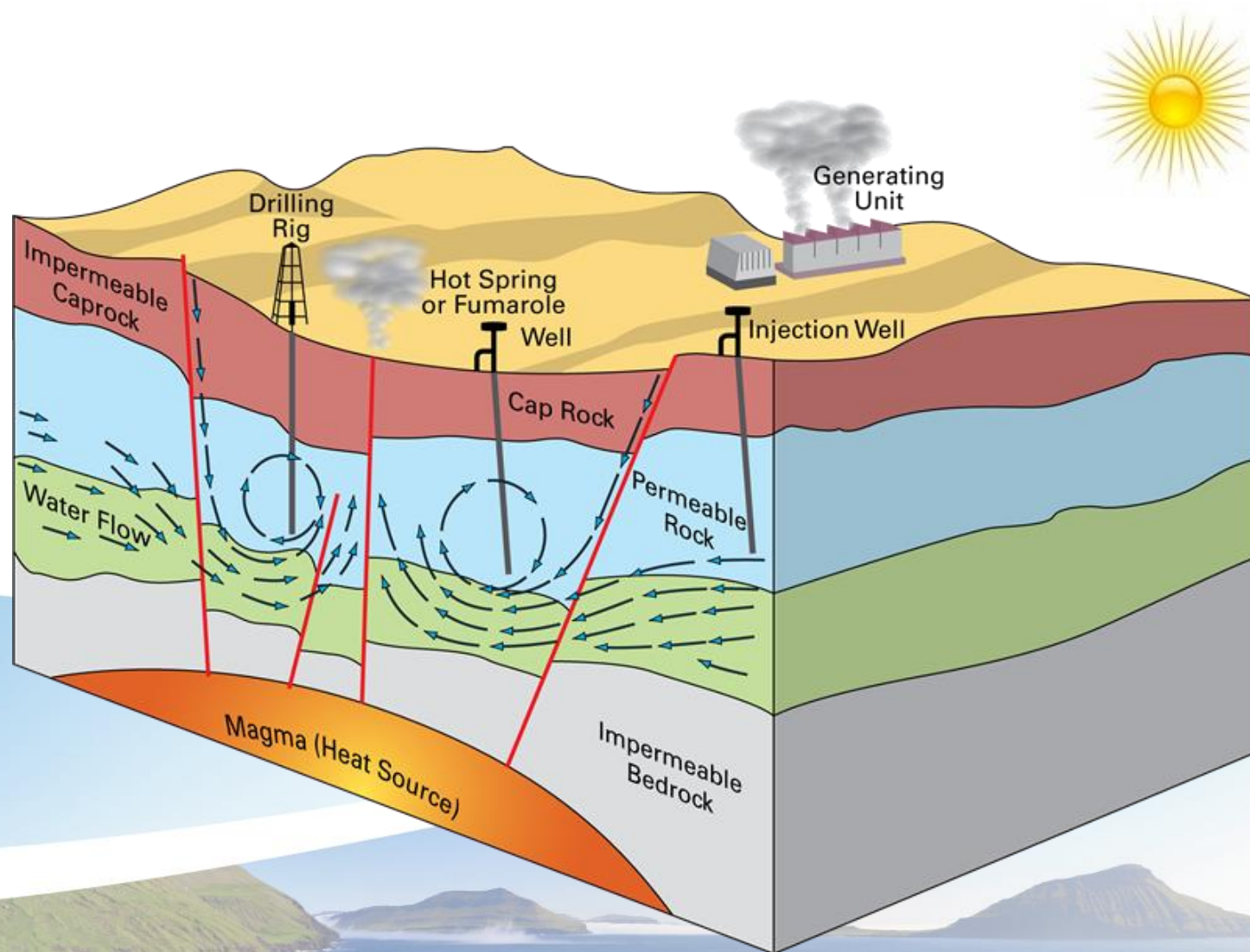
- Debes 1673
- Heit kelda í Fámjien



Jarðhitaboringar síðani 2008

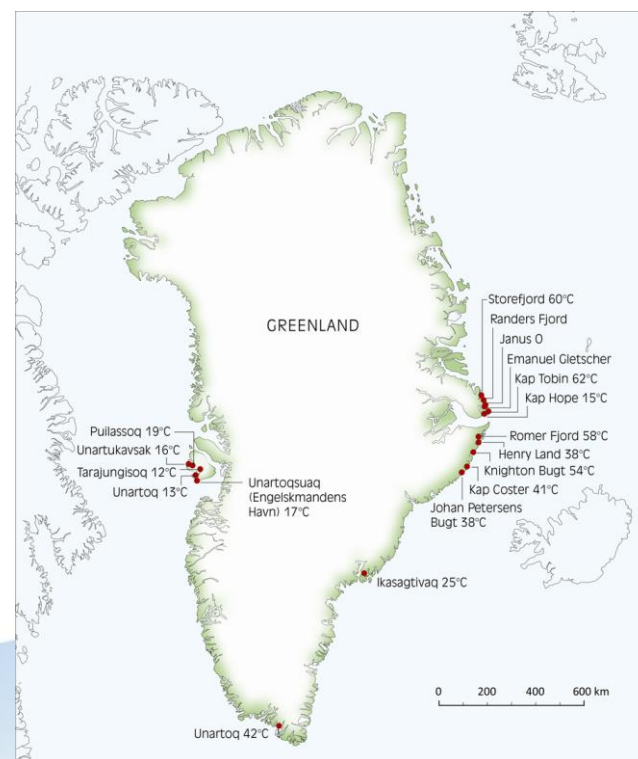


Geothermalur gradientur – Føroyar $\approx 3^{\circ}\text{C}/100\text{m}$

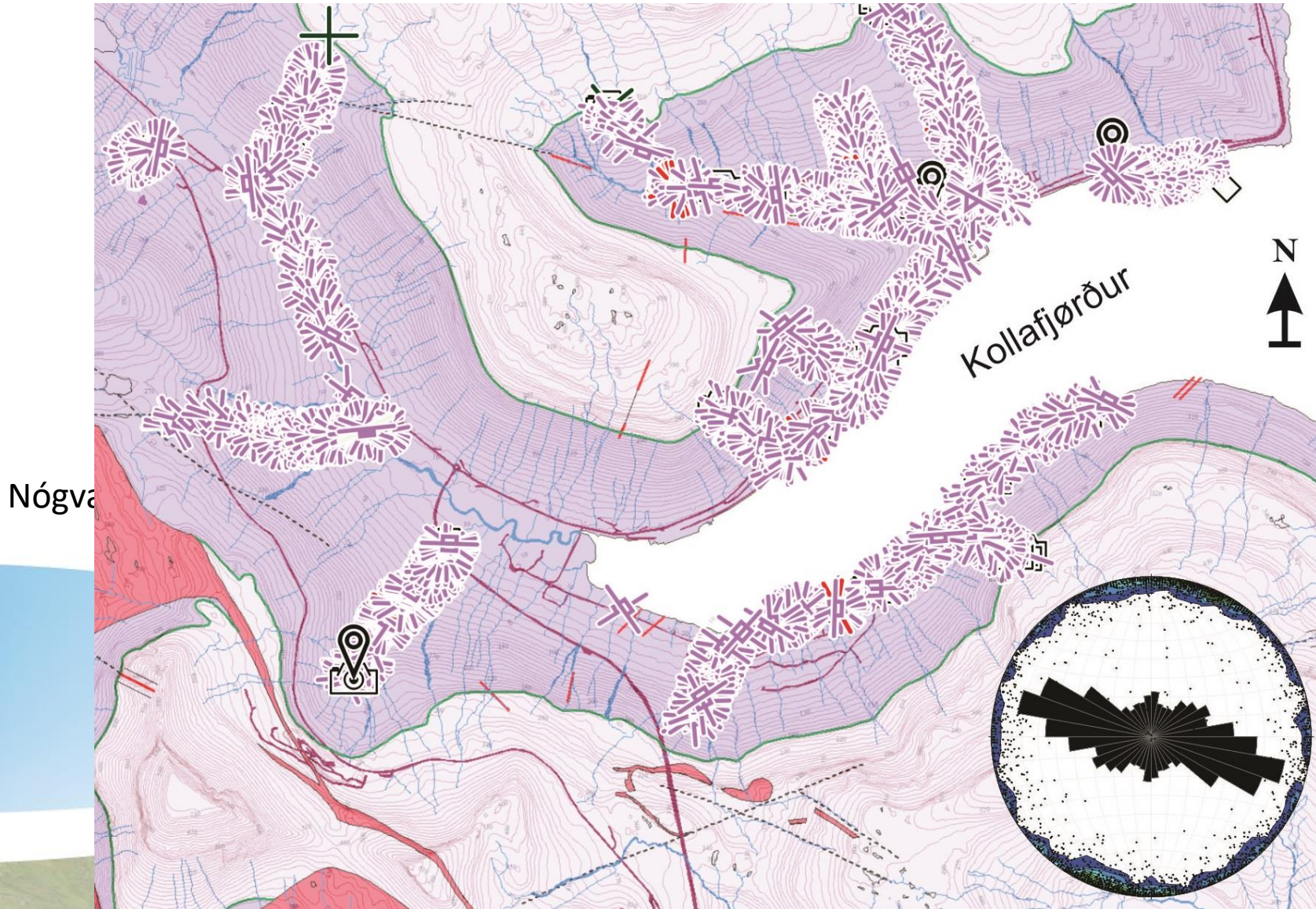


Kanningar aðrastaðni hava víst:

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



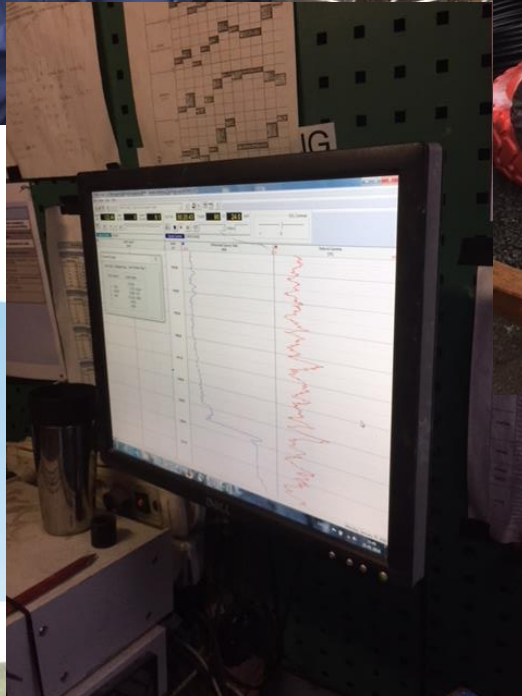
Kollafjørður



5 boringar – 4 privatar og ein royndarboring

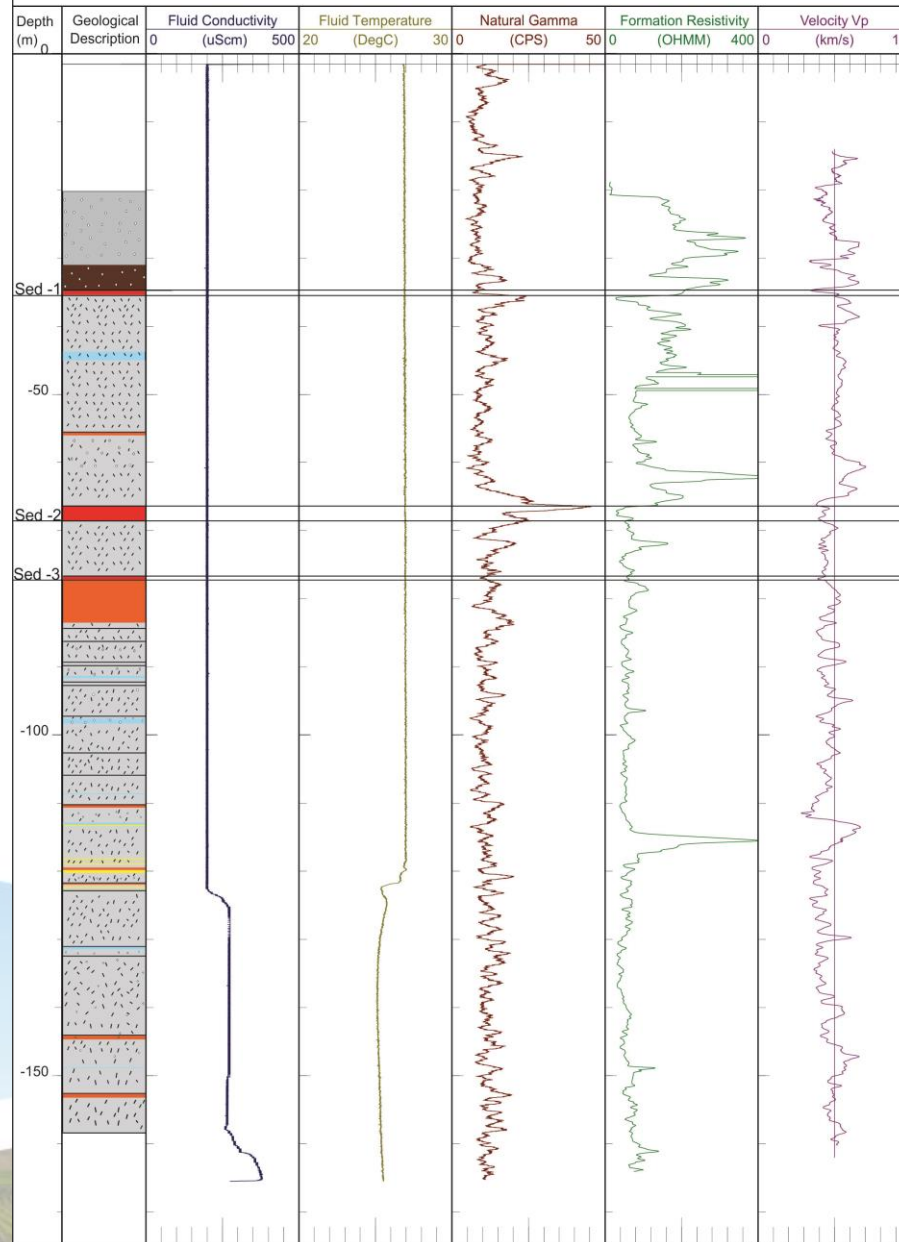


Nærri kanningar í 2016 – B3, B4 & UB1



Úrslit - B3

B3 Lyngnes, Kollafjørður, Faroe Islands

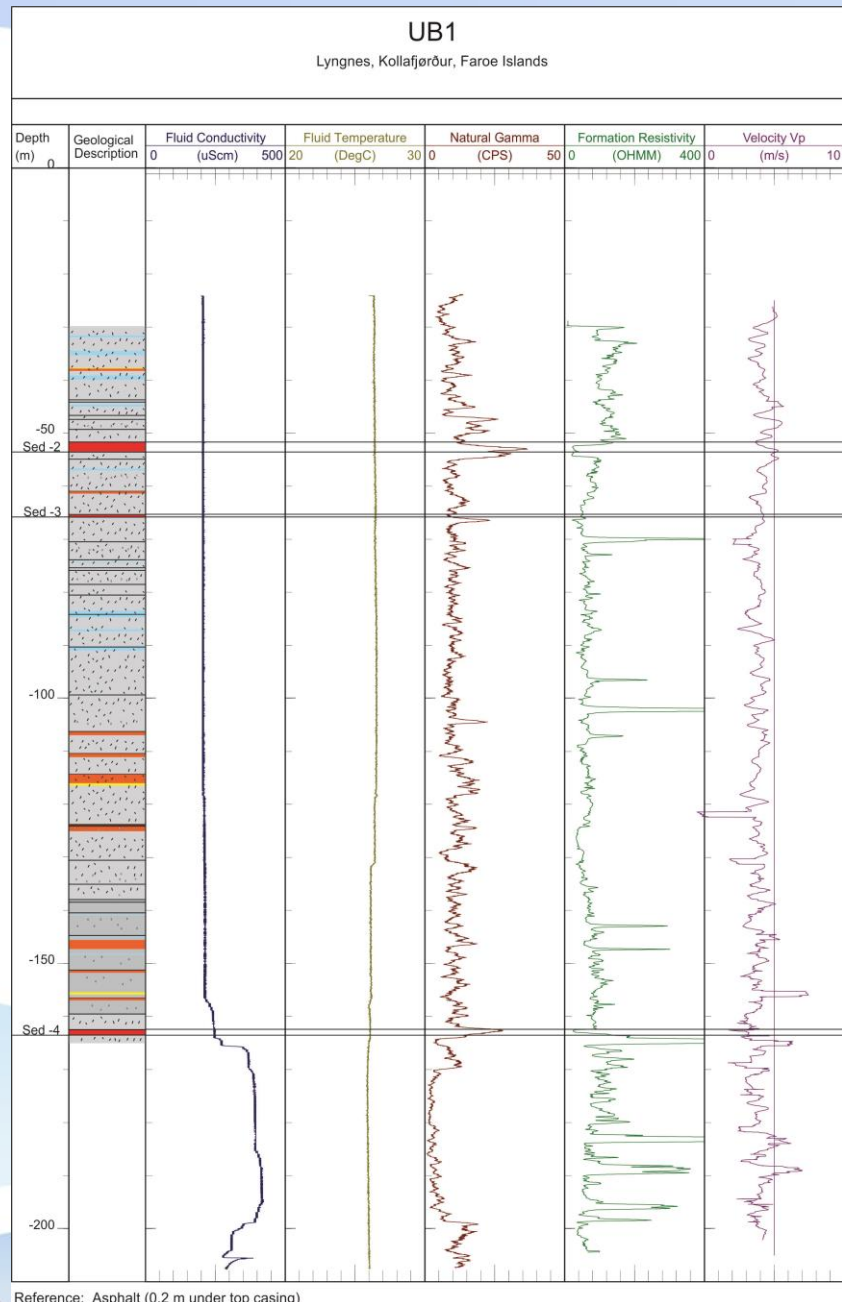


Vatn (uml. 95%)



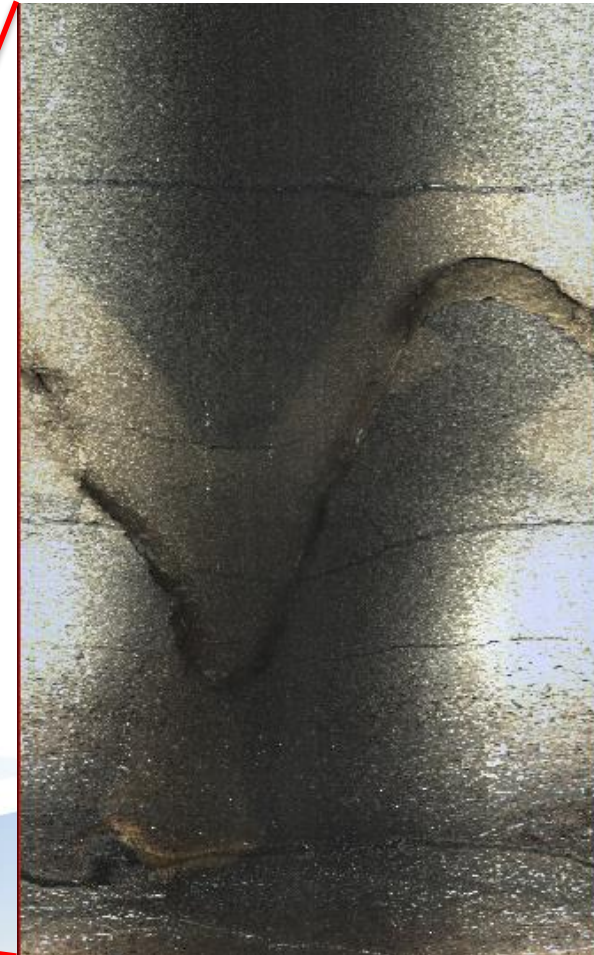
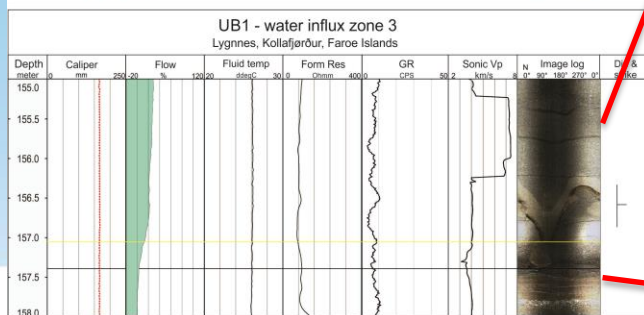
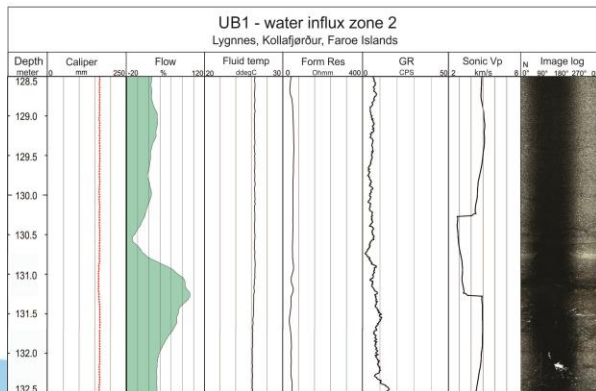
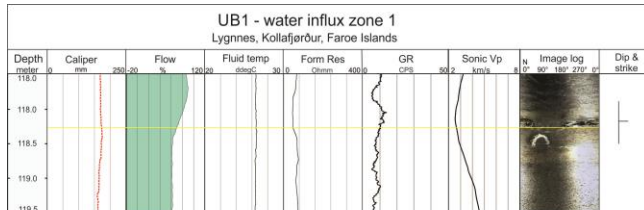
		Image log		Dip & strike	
Depth meter	Caliper mm	0° 180° 270° 0°			
117.5					
118.0					
118.5					
119.0					
119.5					
120.0					
120.5					
121.0					
121.5					
122.0					
122.5					

Úrslit - UB1



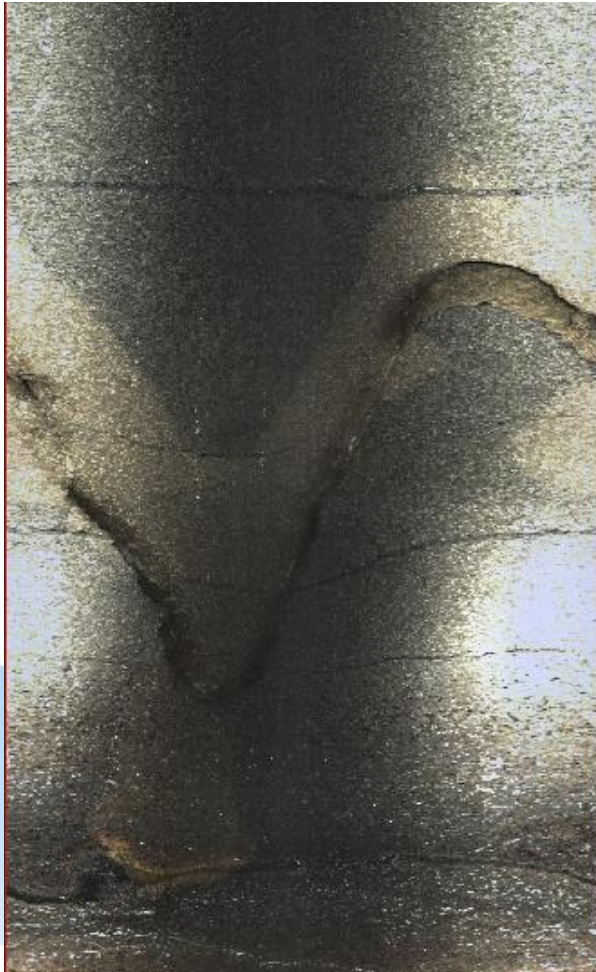
UB1 – Vatnførandi zona 3 (156,5-157m)

0° 90° 180° 270° 360°



UB1

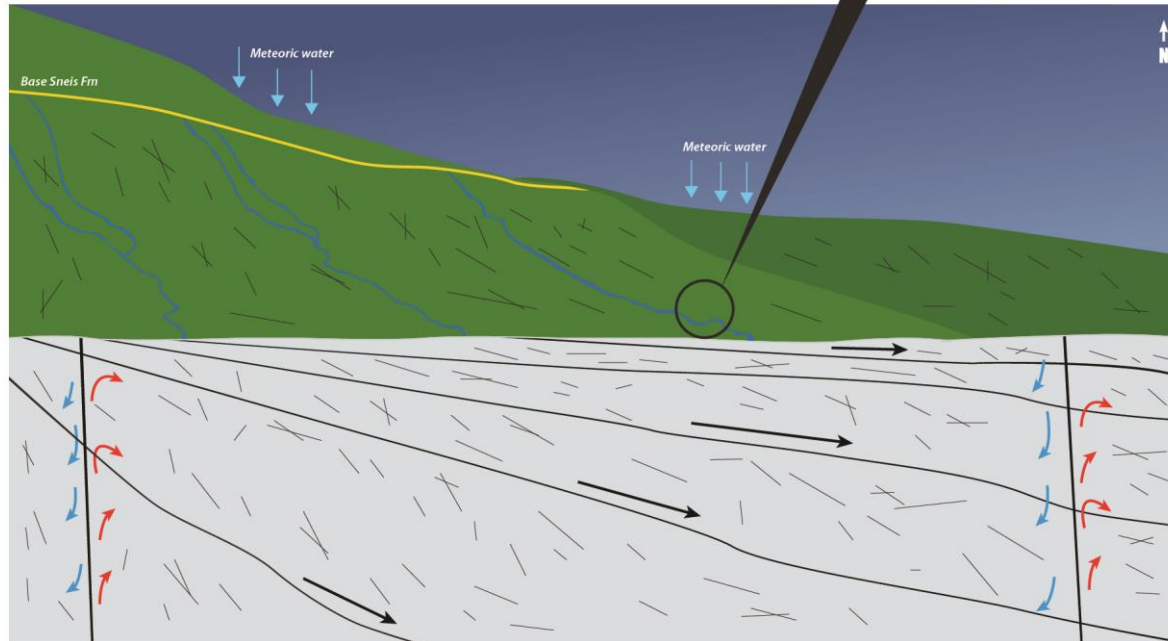
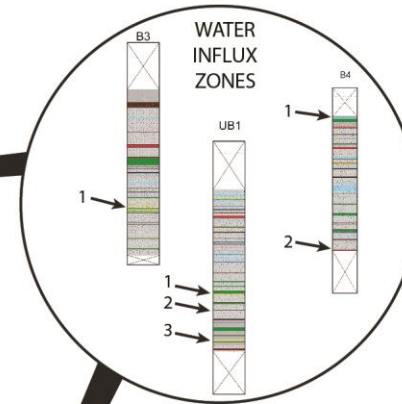
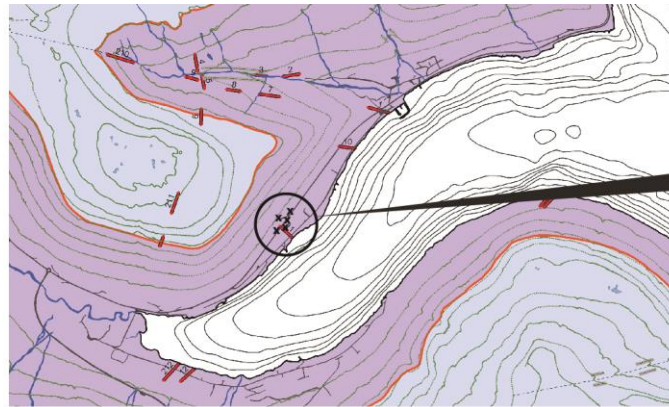
0° 90° 180° 270° 360°



B3

0° 90° 180° 270° 360°



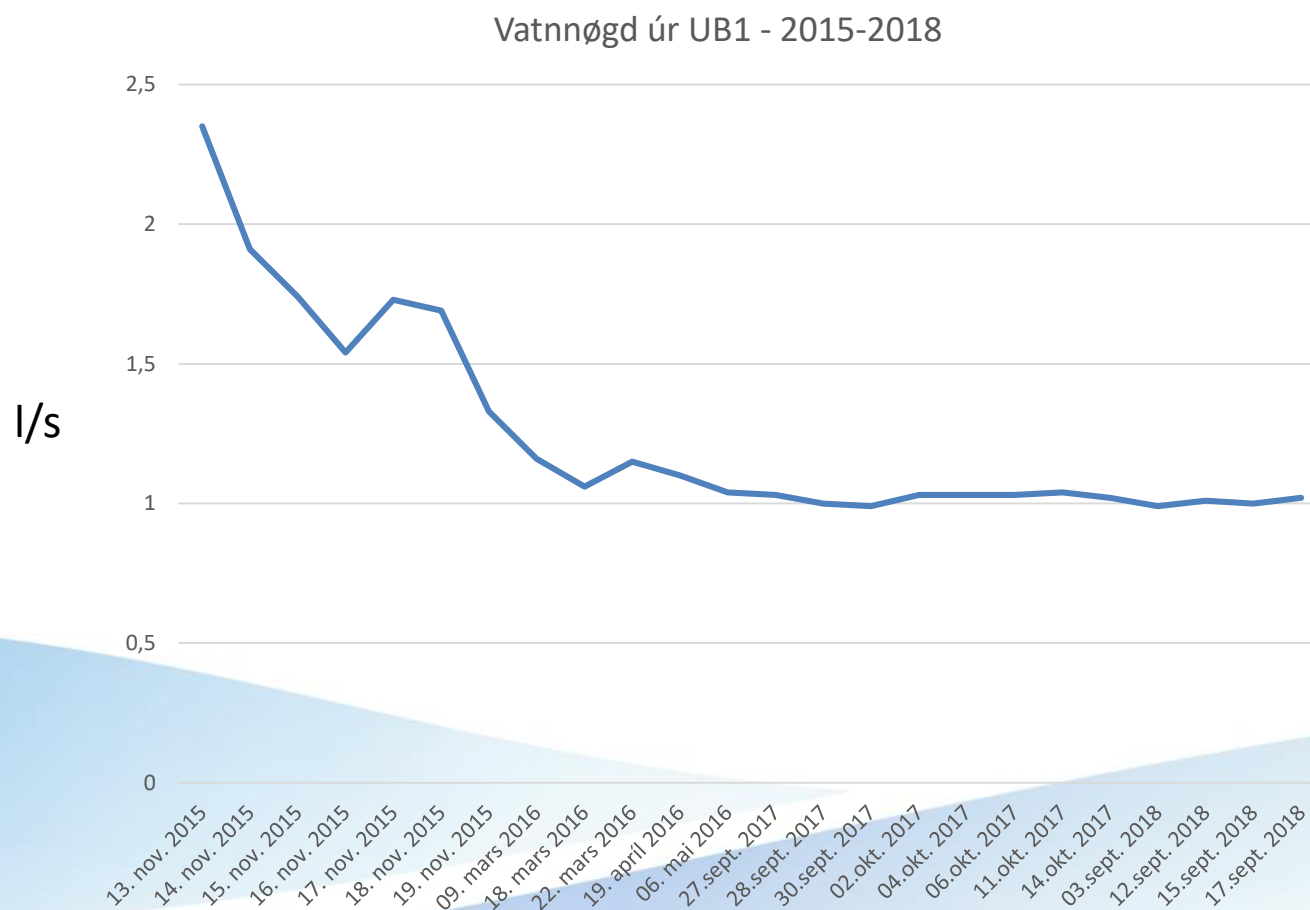


Burðardygt?

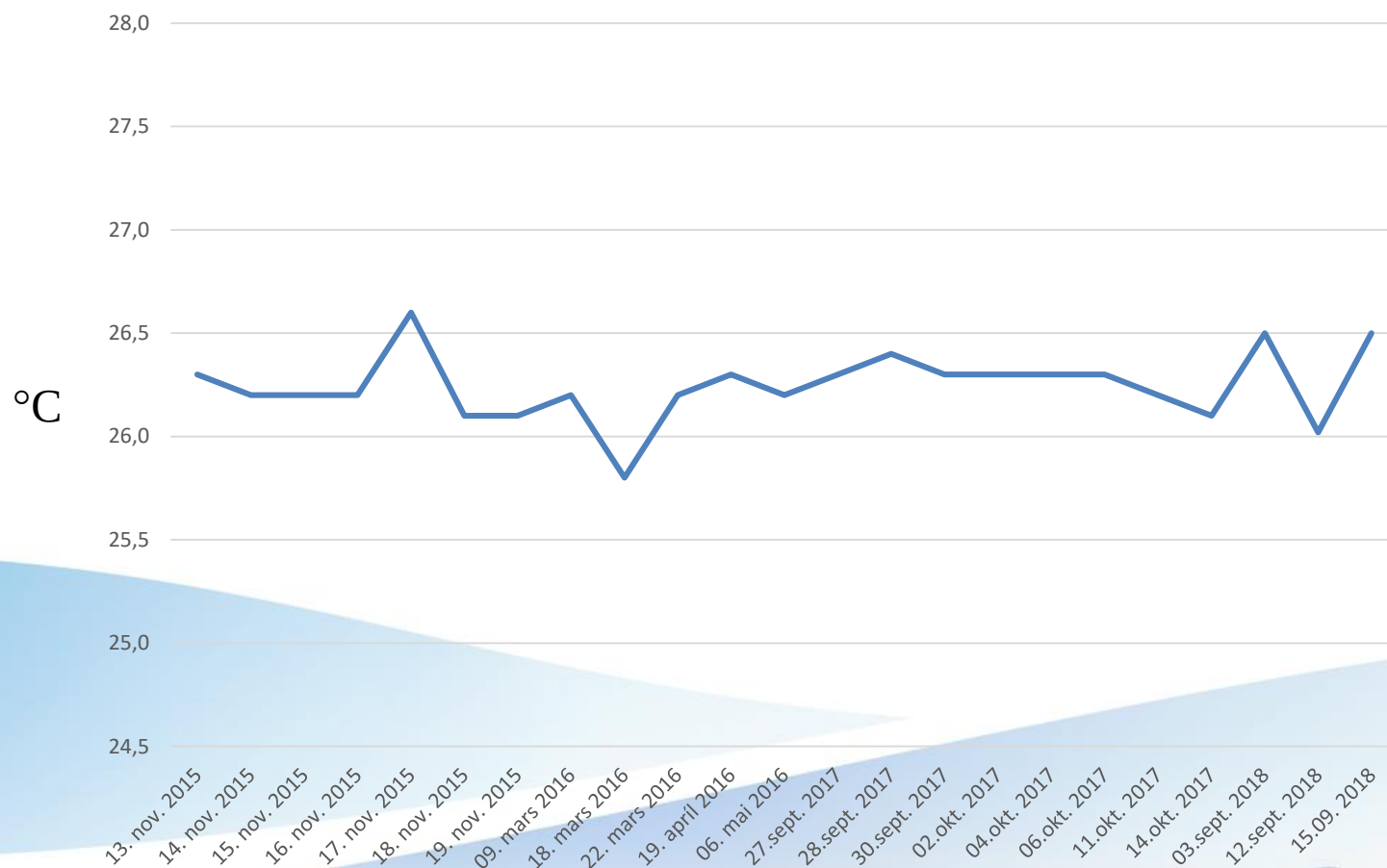
1. Broytingar í rensl- og hitamátingunum
2. Aldurin á vatninum



Samla yvirlit:



Hitamátingar í UB1 - 2015-2018



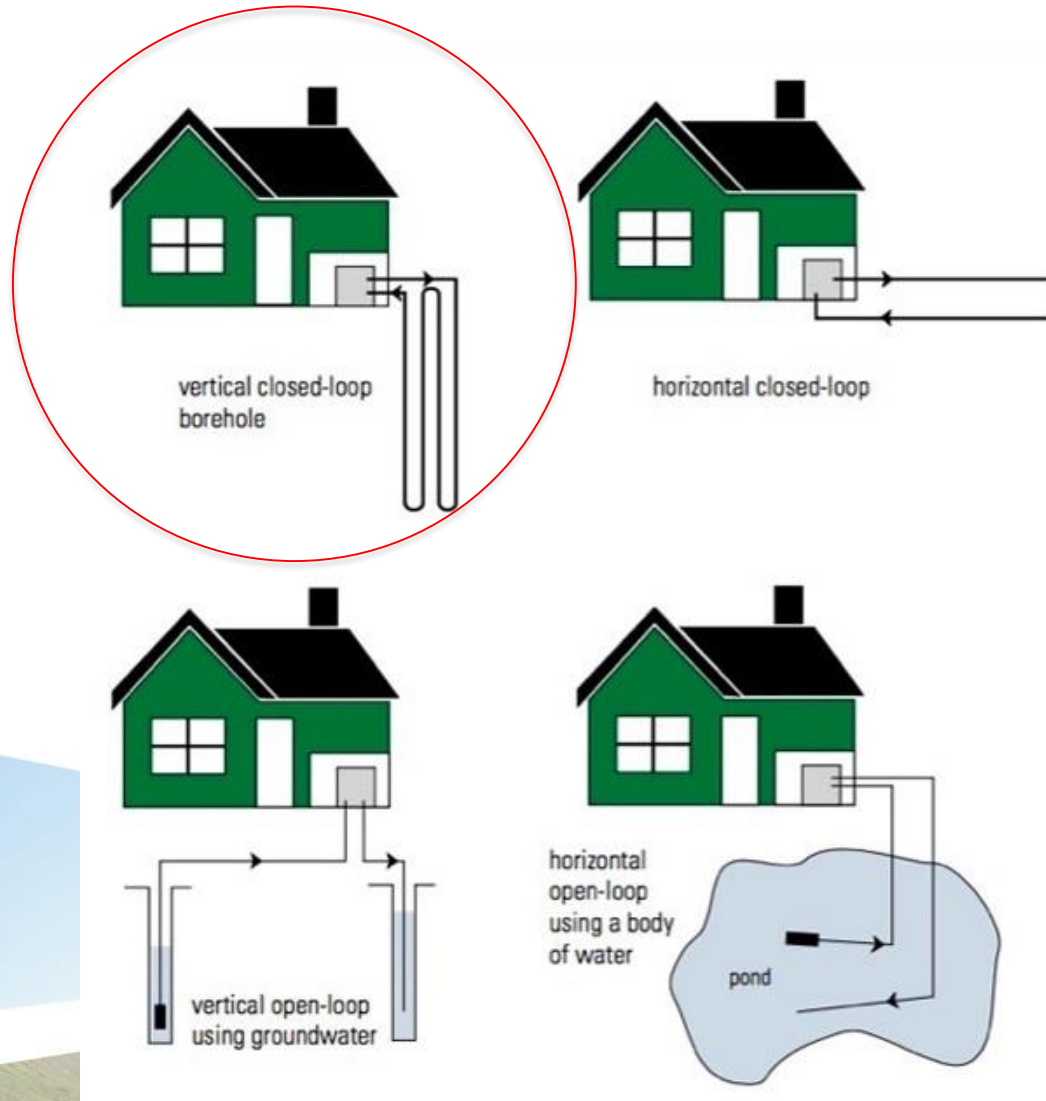
Aldurin á vatninum

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

