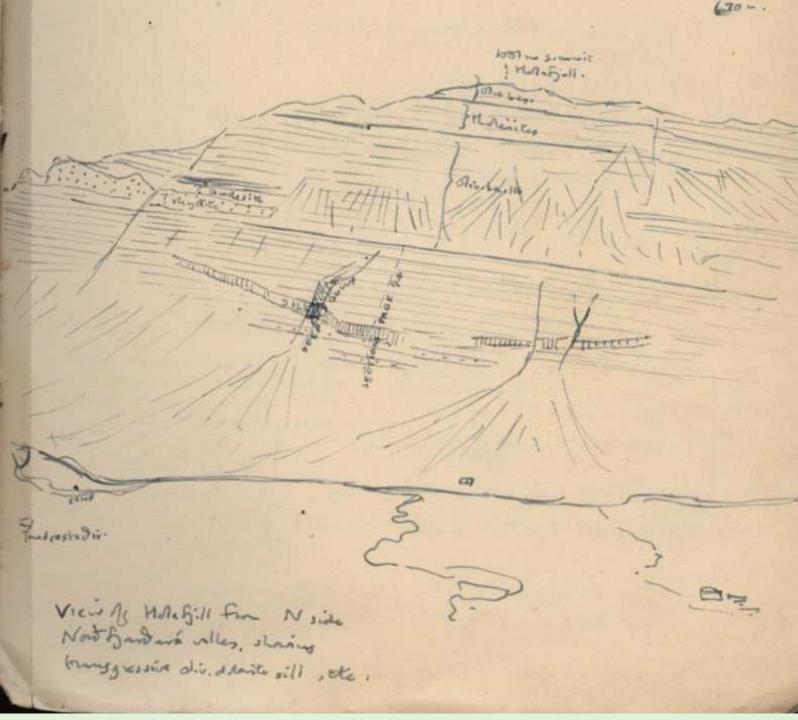
Geology of the road tunnels at Eskifjörður/Norðfjörður and Fjarðarheiði



NORÐFJARÐARGÖNG NORDFJORD ROAD TUNNEL – 7.9 KM

Data and information with complements from

Jarôfræðistofan ENT JFS Geological services

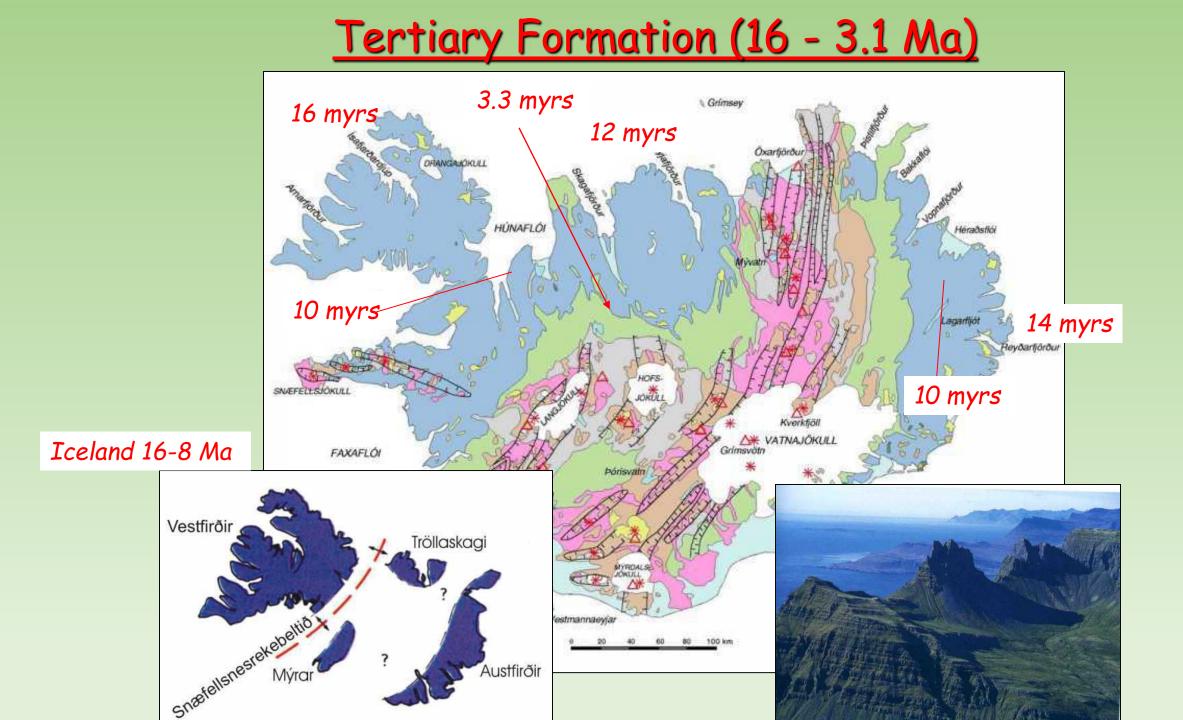




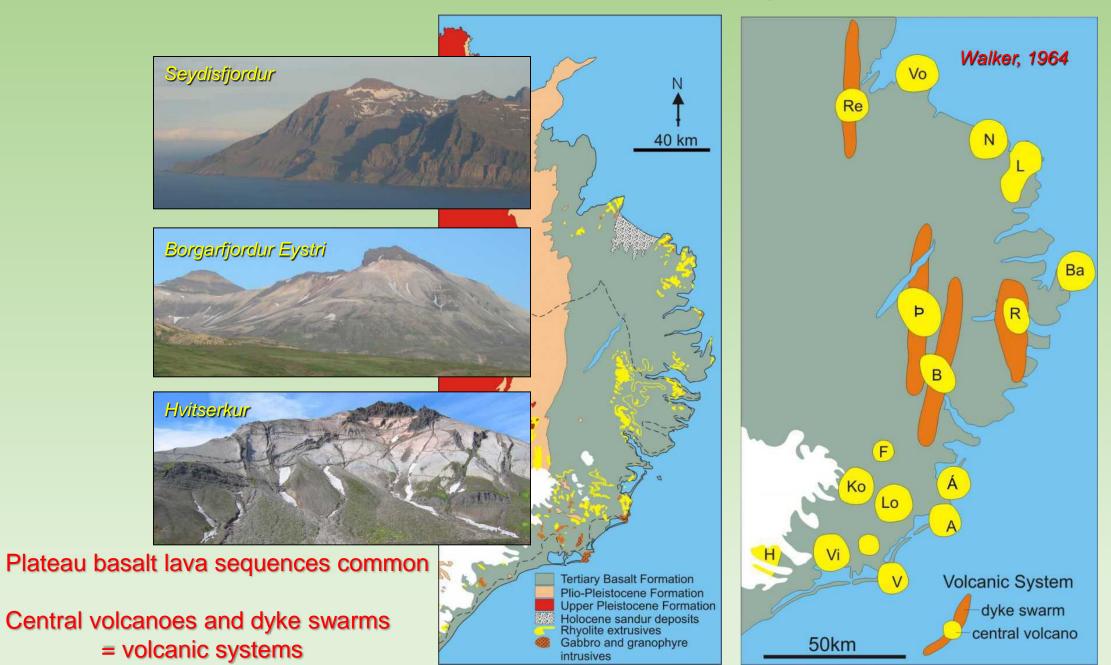




Introduction for the G.P.L.Walker Seminar, Breiðdalsvík 26.08.2014 By Hnit Consulting Engineers

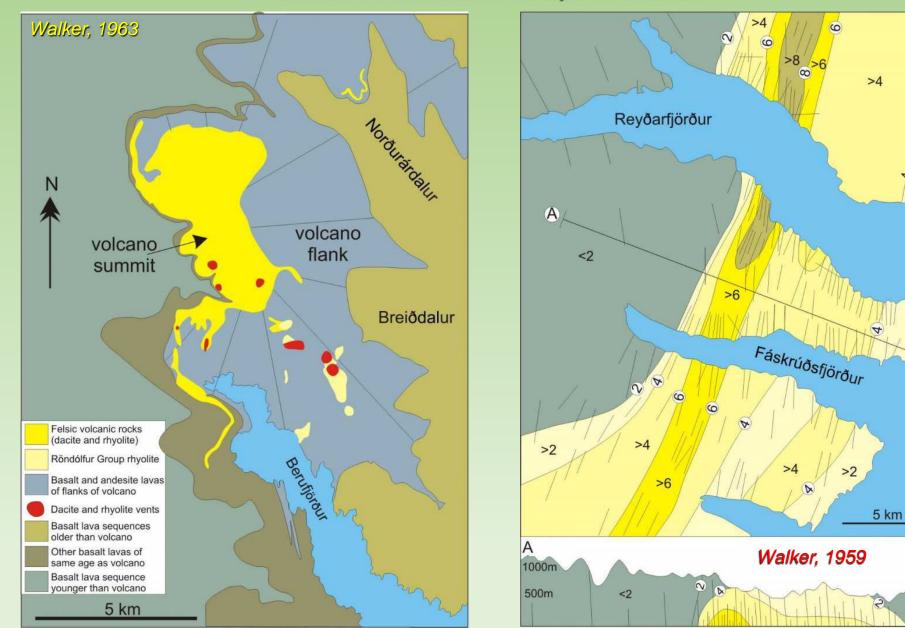


Tertier Volcanic Systems



Tertier Volcanic Systems

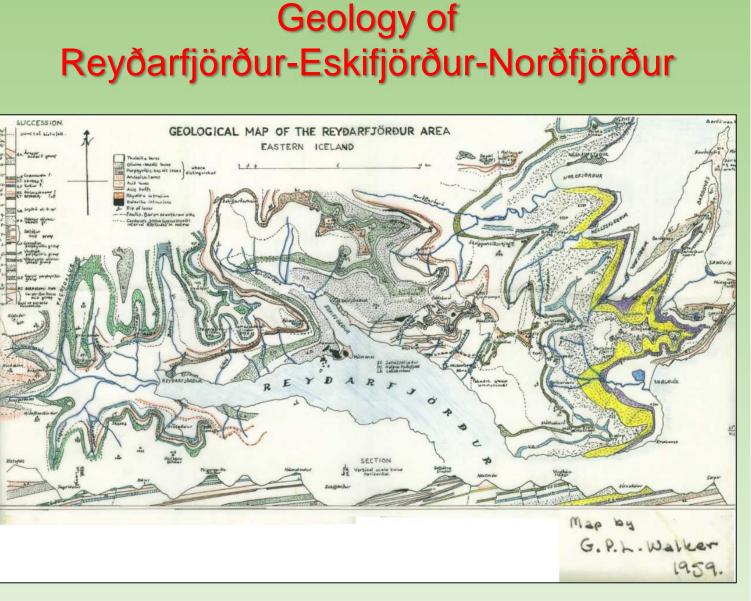
central volcanoes & dyke swarms



B

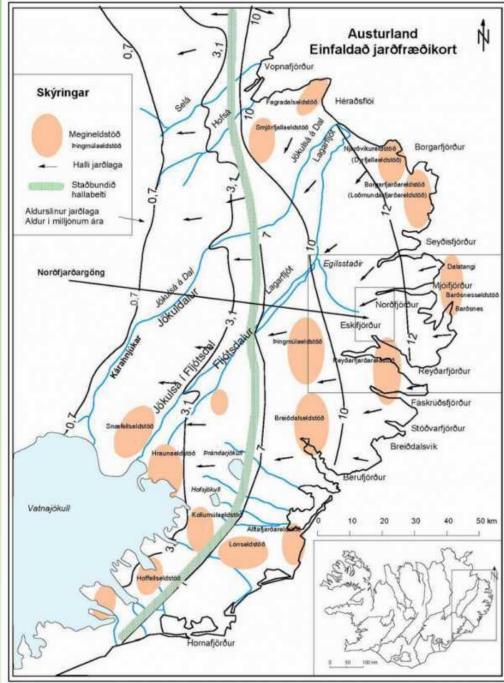
В

Ν



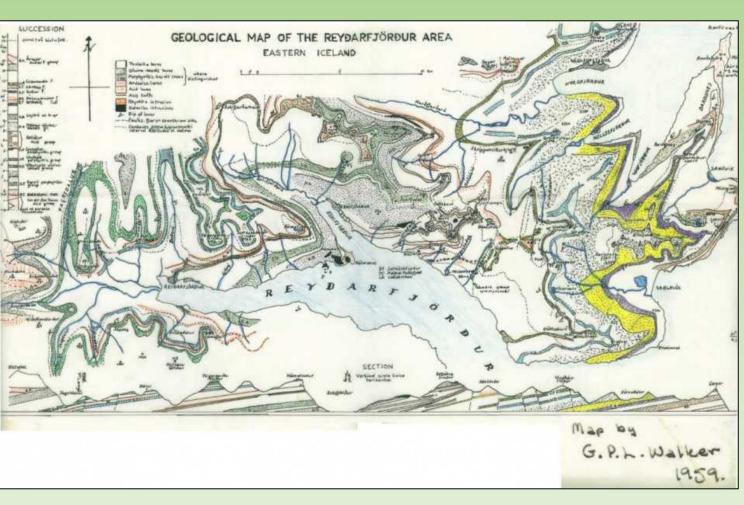
Plateau basalt: phyric vs plag phyric vs ol phyric lava sequences

Central volcanoes: rhyolite, andesite, basalt lavas and tuffs

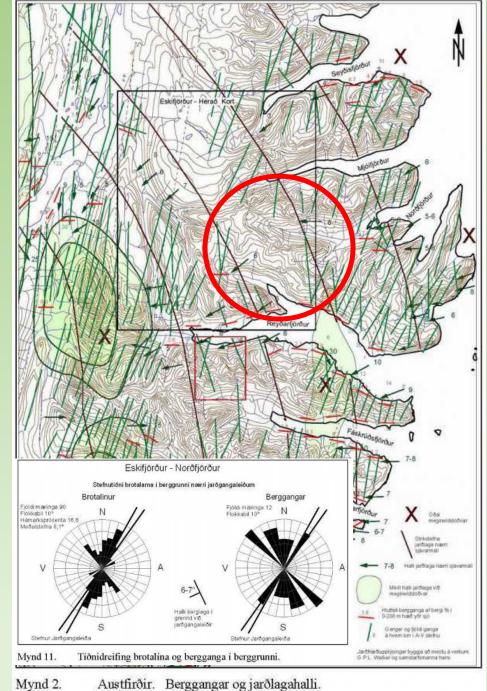


Mynd 1. Austfirðir. Helstu drættir í jarðfræði.

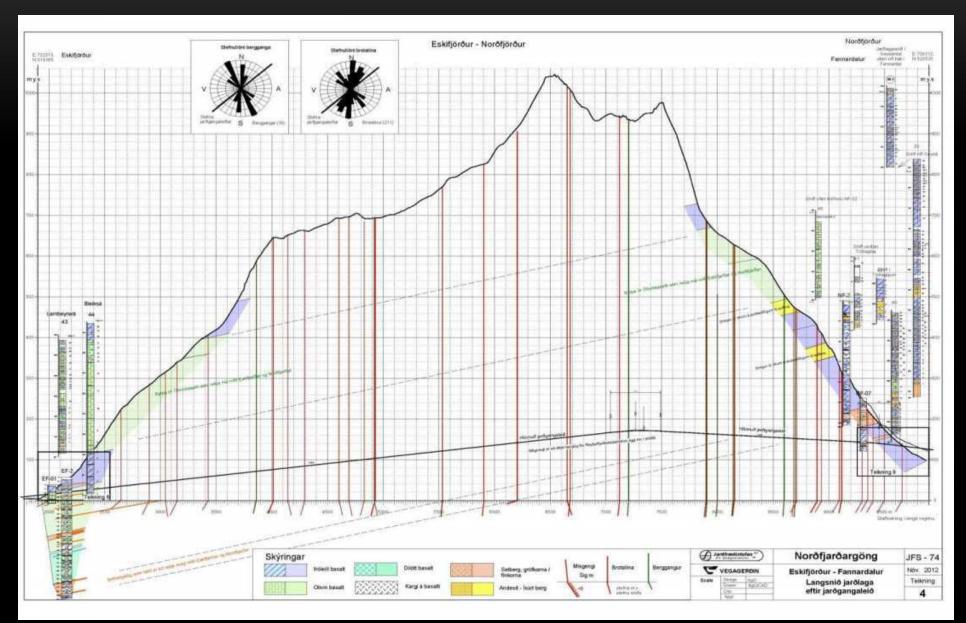
Geology of Reyðarfjörður-Eskifjörður-Norðfjörður

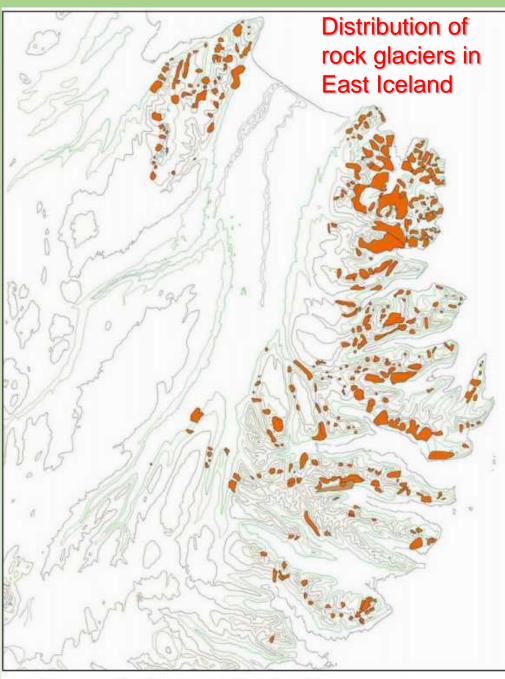


Relatively few dykes in the area of Norðfjarðargöng



OVERVIEW - GEOLOGY





Mynd 7. Dreifing þykkra urðarbingja á Austfjörðum.

Placement of the entrance for the road tunnel



Sediment formations such as rock glaciers and alluvial fans cause problems and can affect placement of road tunnels.

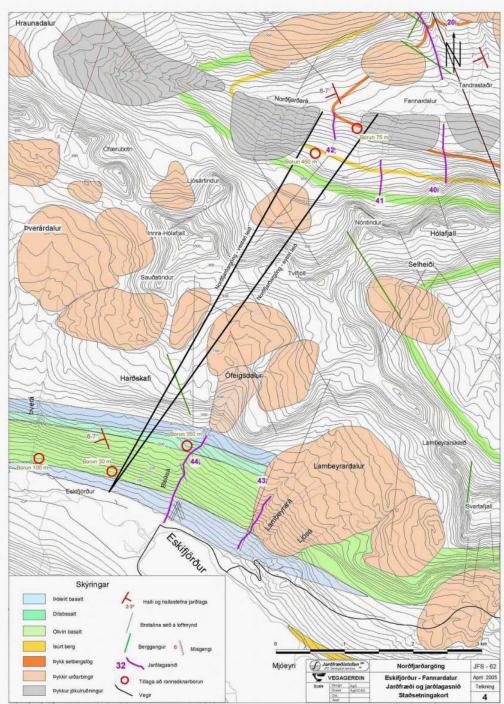




Placement of the entrance for the road tunnel

Initially the favoured site for tunnel entrance on Eskifjörður side. Then they built a "new church"!

So, in the end they placed it hereabouts!



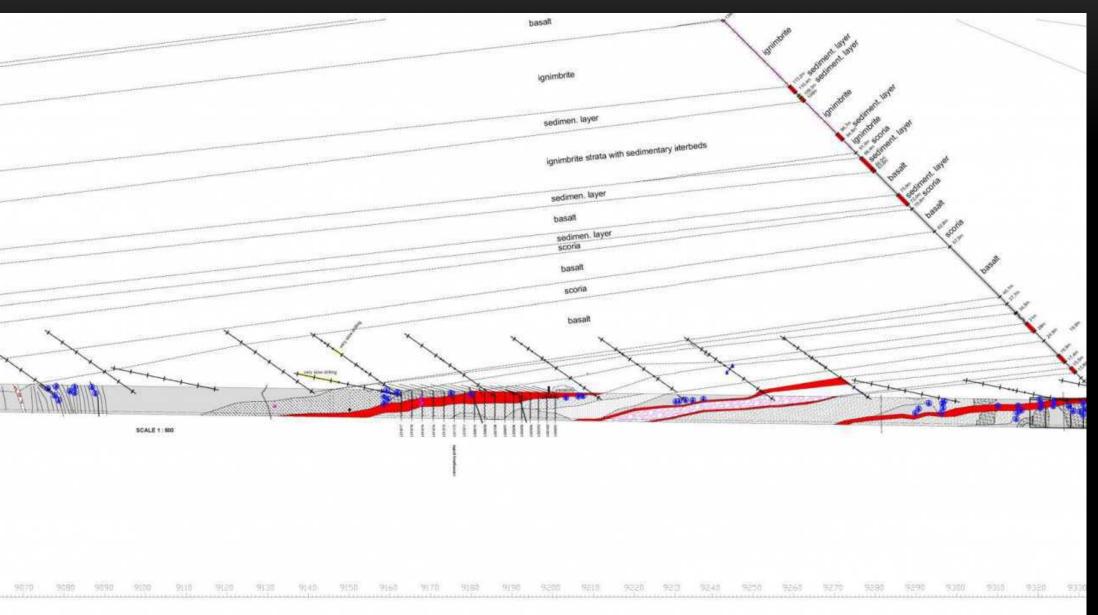
Road tunnel placement







FANNARDALUR – SHORT PROBE HOLES AND ONE LONG CORE DRILLHOLE



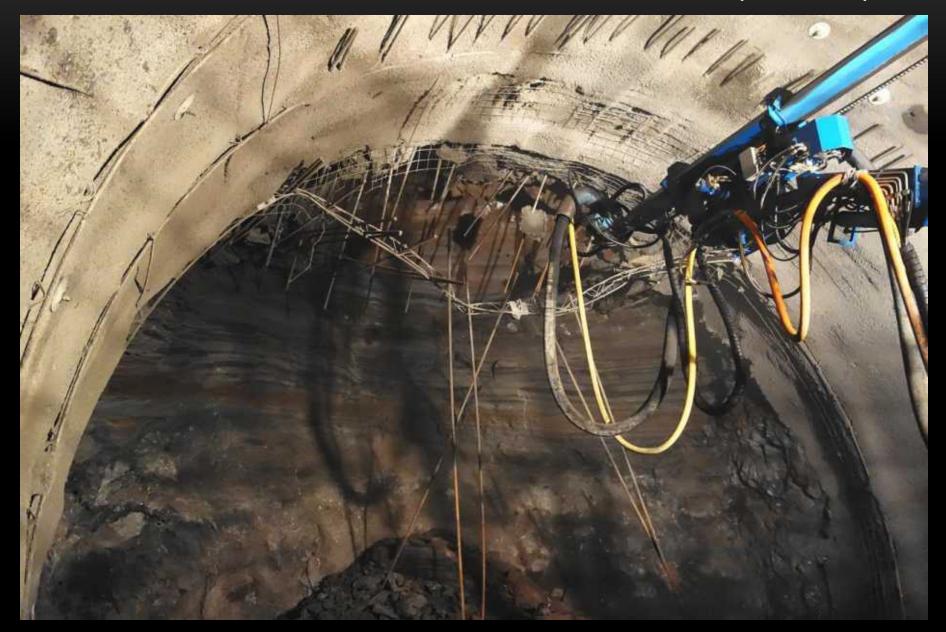
ESKIFJÖRÐUR – STEEL LATTICE GIRDERS (STÁLBOGAR)



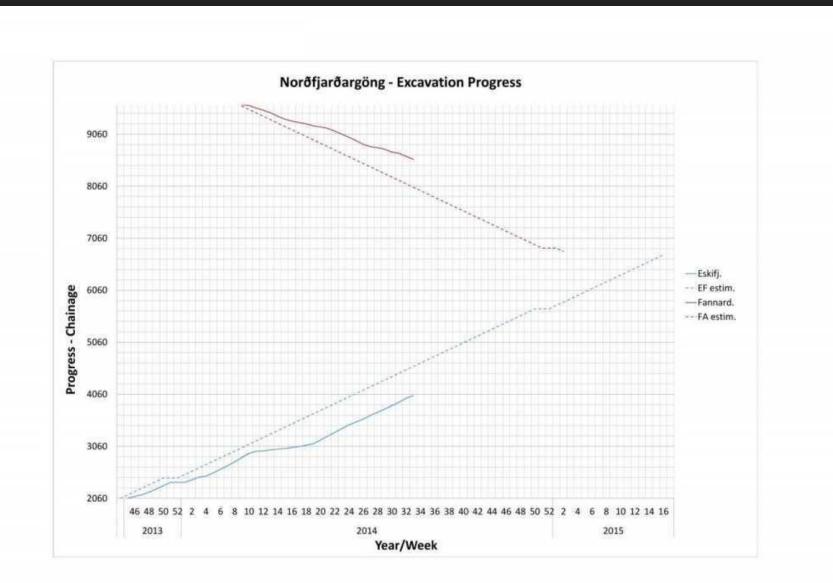
ESKIFJÖRÐUR – LATTICE GIRDERS AND SPILING BOLTS



ESKIFJÖRÐUR – LATTICE GIRDERS (HRUN)

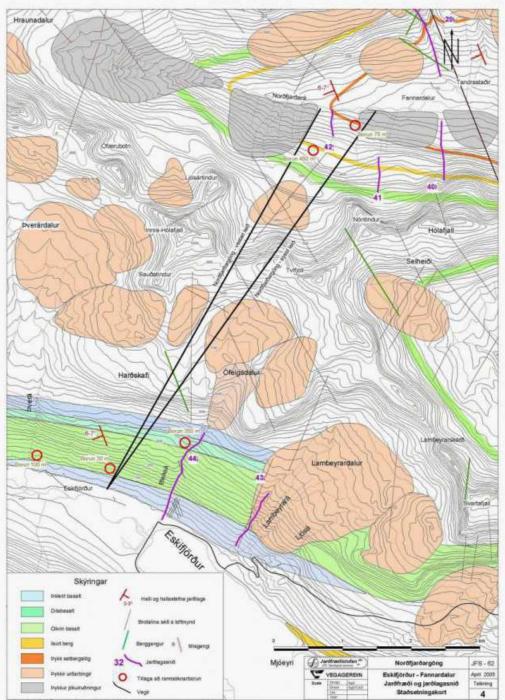


PROGRESS VS CONTRACTORS ESTIMATE

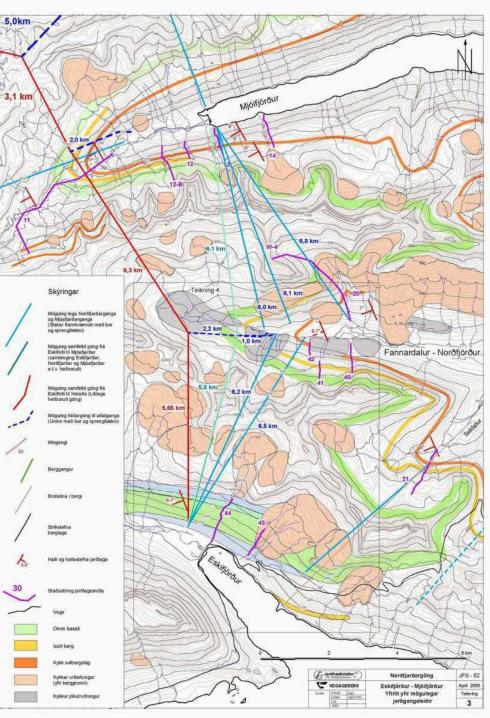


PROGRESS VS CONTRACTORS PLANS









liklega opnast nærri miðri mynd.

