

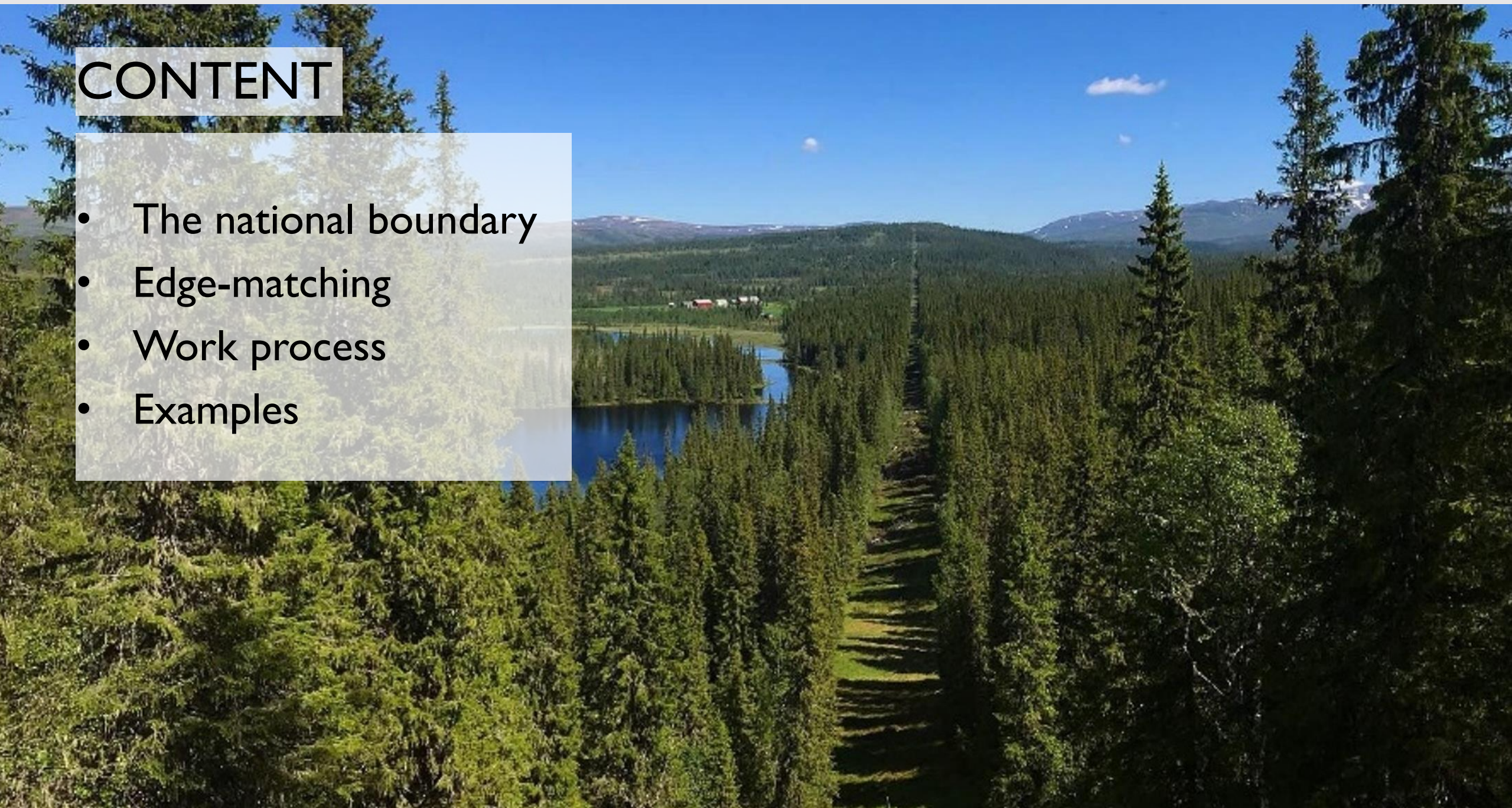
EDGE-MATCHING ALONG THE SWEDISH-NORWEGIAN BORDER BY USE OF MUTUALLY AGREED POINTS

OLGA SANDBERG

LANTMÄTERIET, THE SWEDISH MAPPING, CADASTRAL AND LAND REGISTRATION AUTHORITY

CONTENT

- The national boundary
- Edge-matching
- Work process
- Examples



THE NATIONAL BOUNDARY

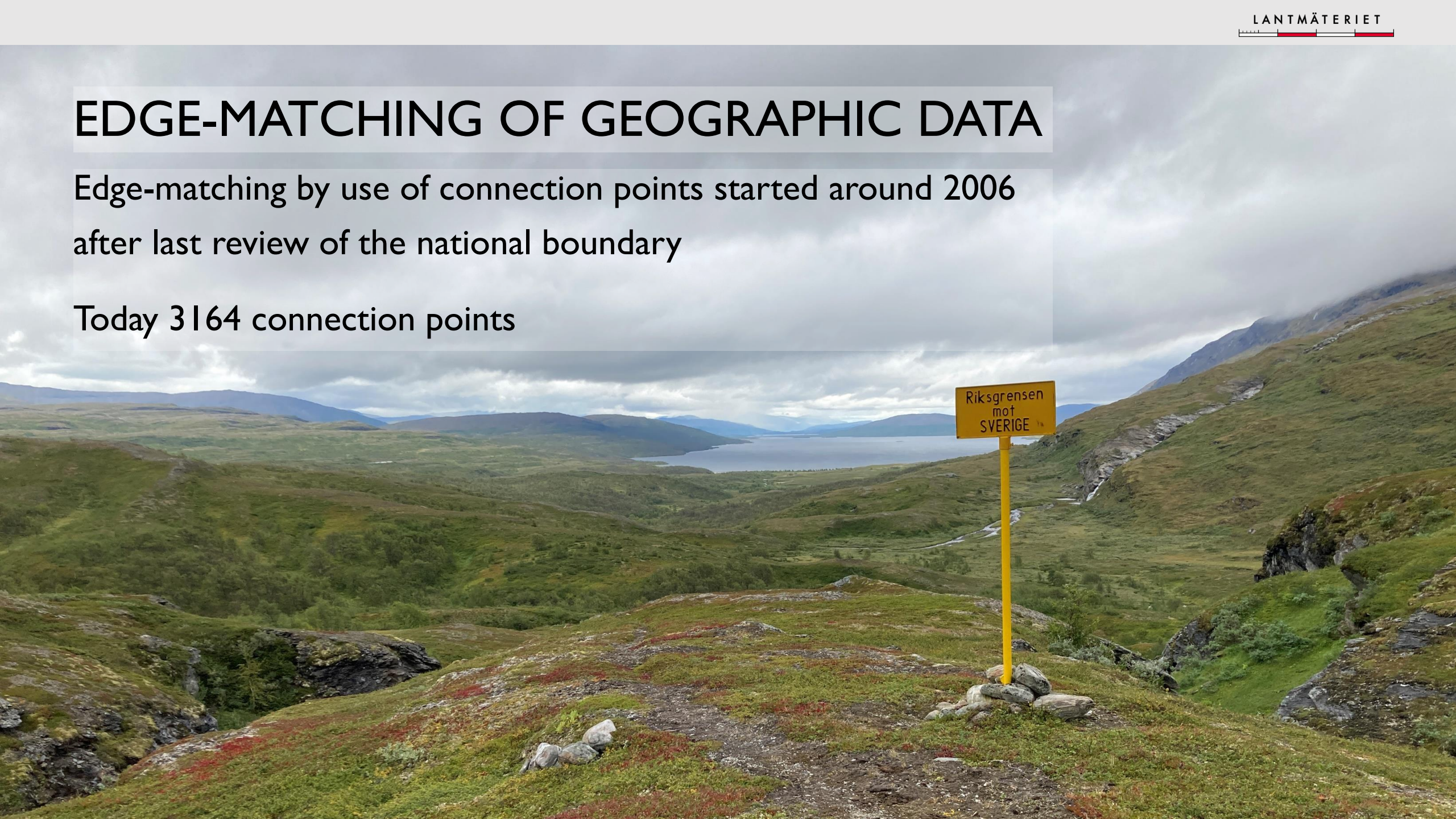
- Since 1751
 - Boundary markers from 1752 -
- 1620 km
 - Of which 170 km curved lines through water
- 642 boundary markers



EDGE-MATCHING OF GEOGRAPHIC DATA

Edge-matching by use of connection points started around 2006 after last review of the national boundary

Today 3164 connection points



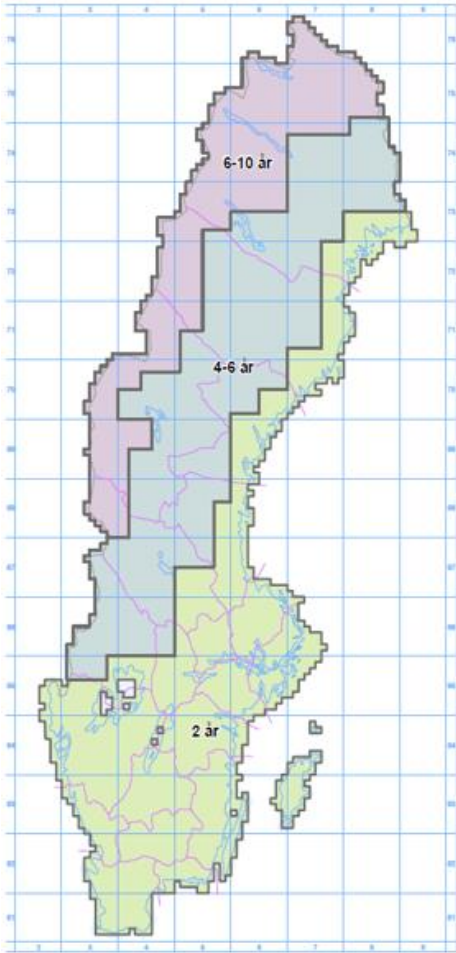
CONNECTION POINTS

Object type	Number of CP's
Shoreline	1277
Waterway	1206
Waterflow network line	362
Hiking trail	153
Road	143
Powerline	15
Railroad	4
Standing water boundary	2
Building	2





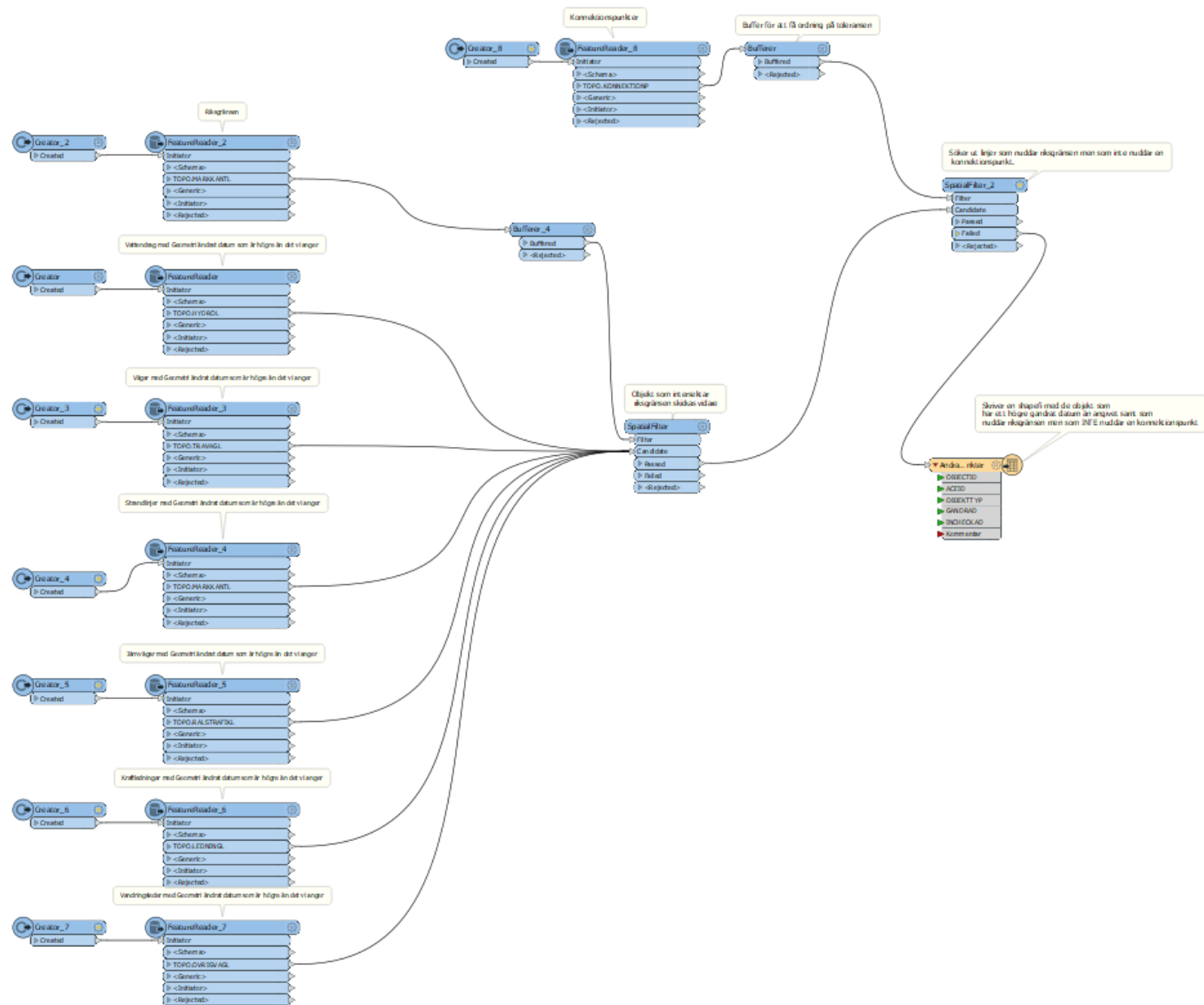
PROCESS



Annual
meetings



- FME (Feature Manipulation Engine) 1/year
 - Features at the border, not attached to a connection point
 - Connection points not attached to any object
- Suggestion of new points and points to be moved sent to Norway
- Acceptance, rejection or other changes
- No changes until both parties accepted
- When agreed, both parties update

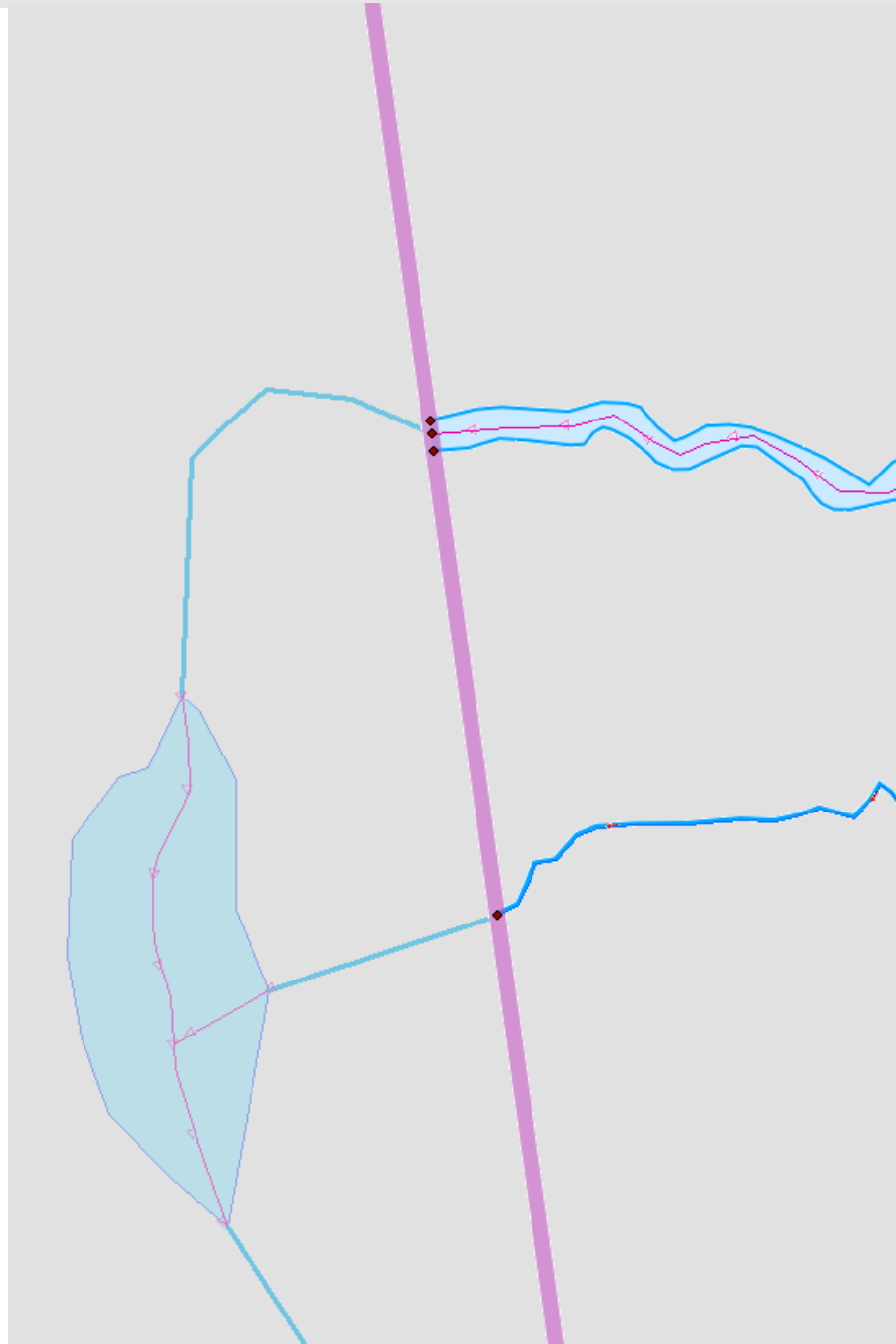






Norway
1:50 000 database

Sweden
1:10 000 database

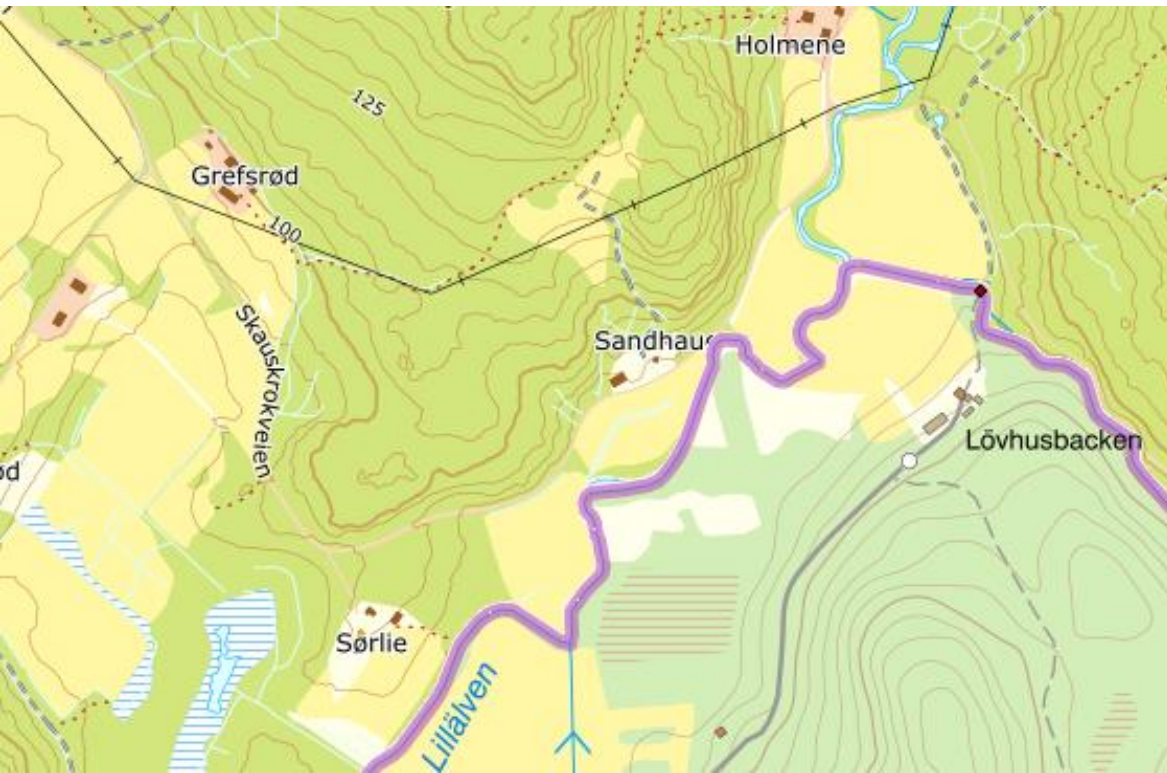


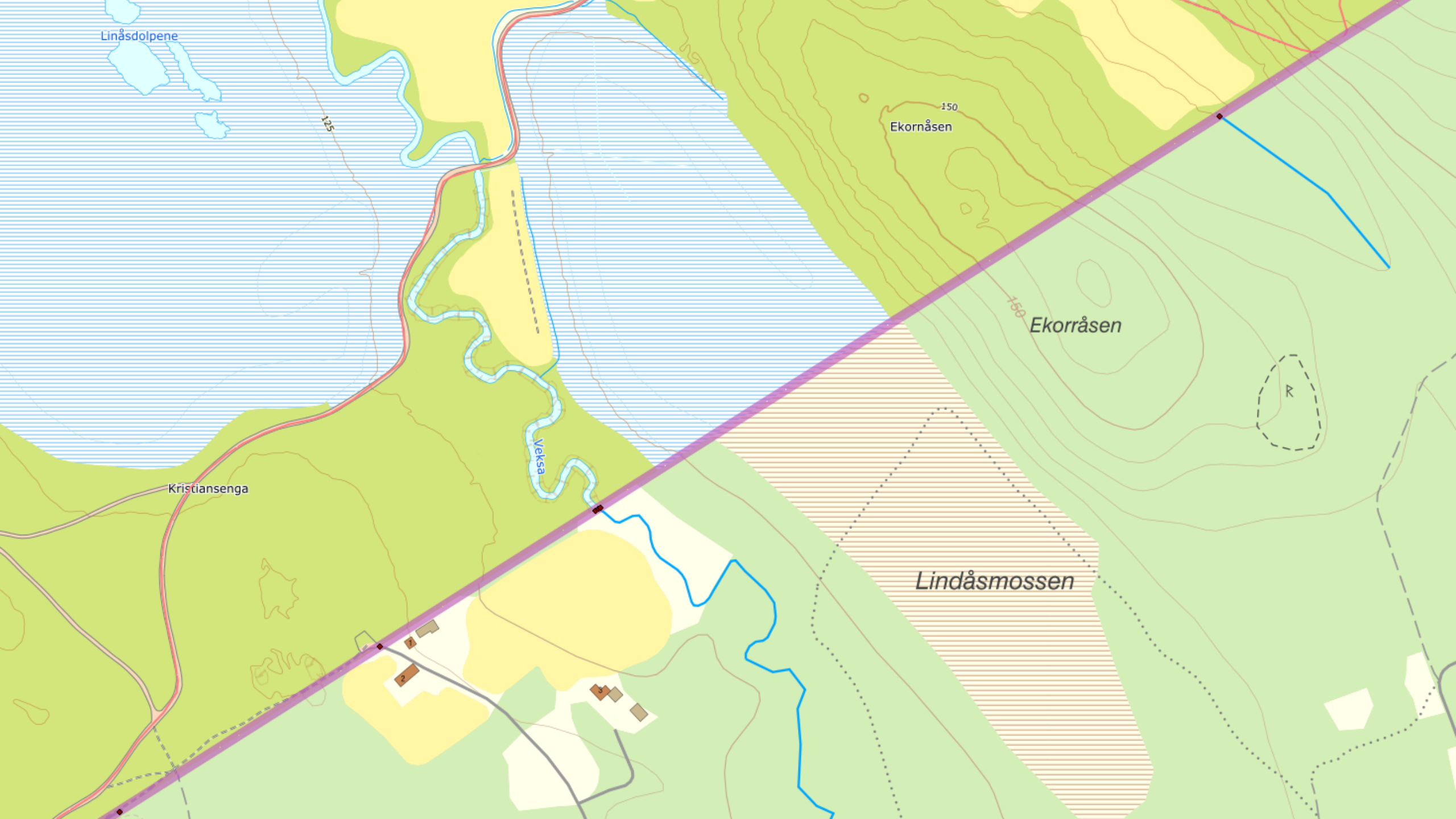
WE DO NOT CONNECT

Land-cover

Fences

Objects that end at the border but do not cross it





Linåsdolpene

150
Ekornåsen

150
Ekorråsen

Kristiansenga

Veksa

Lindåsmossen

R

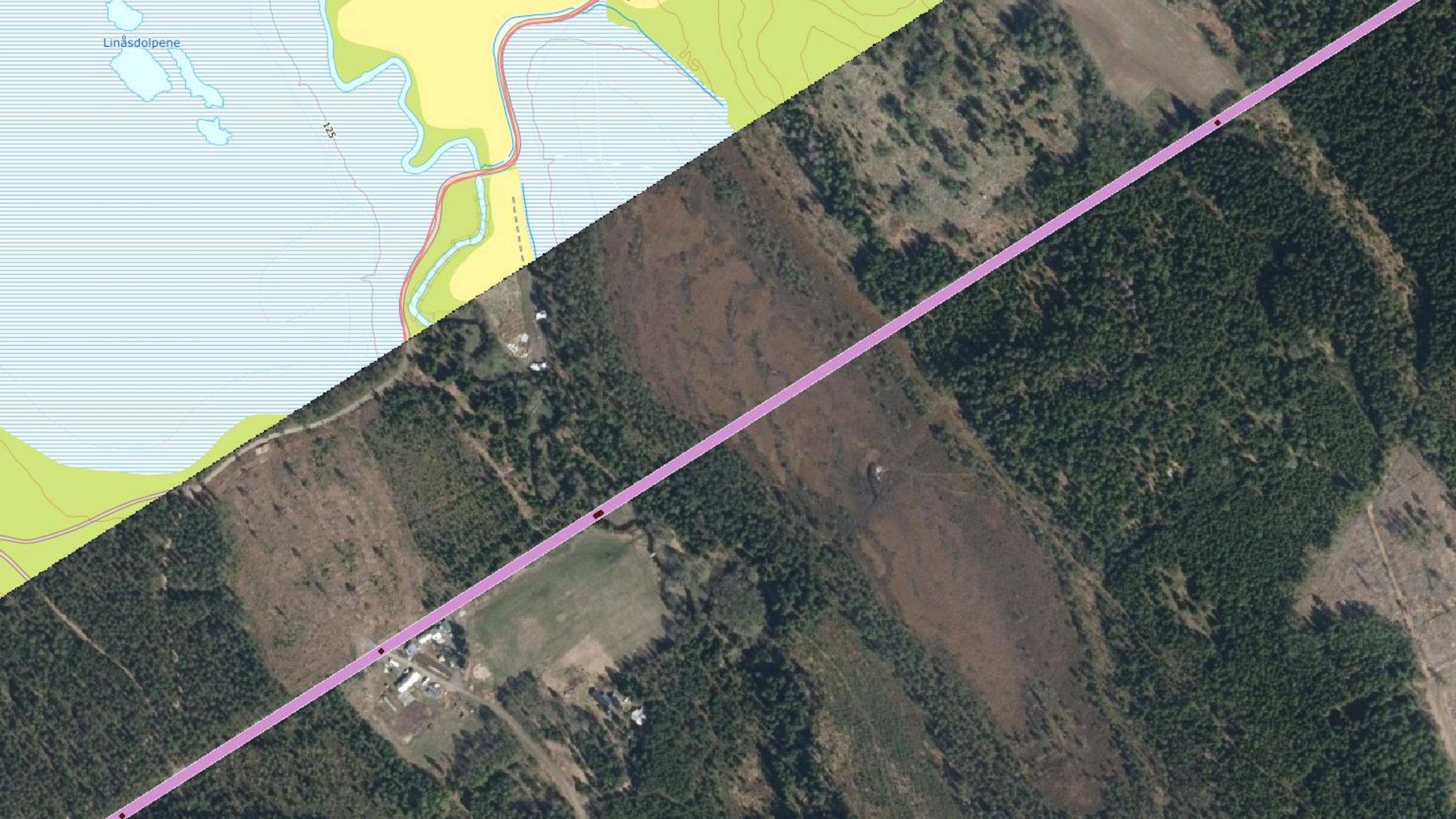
2

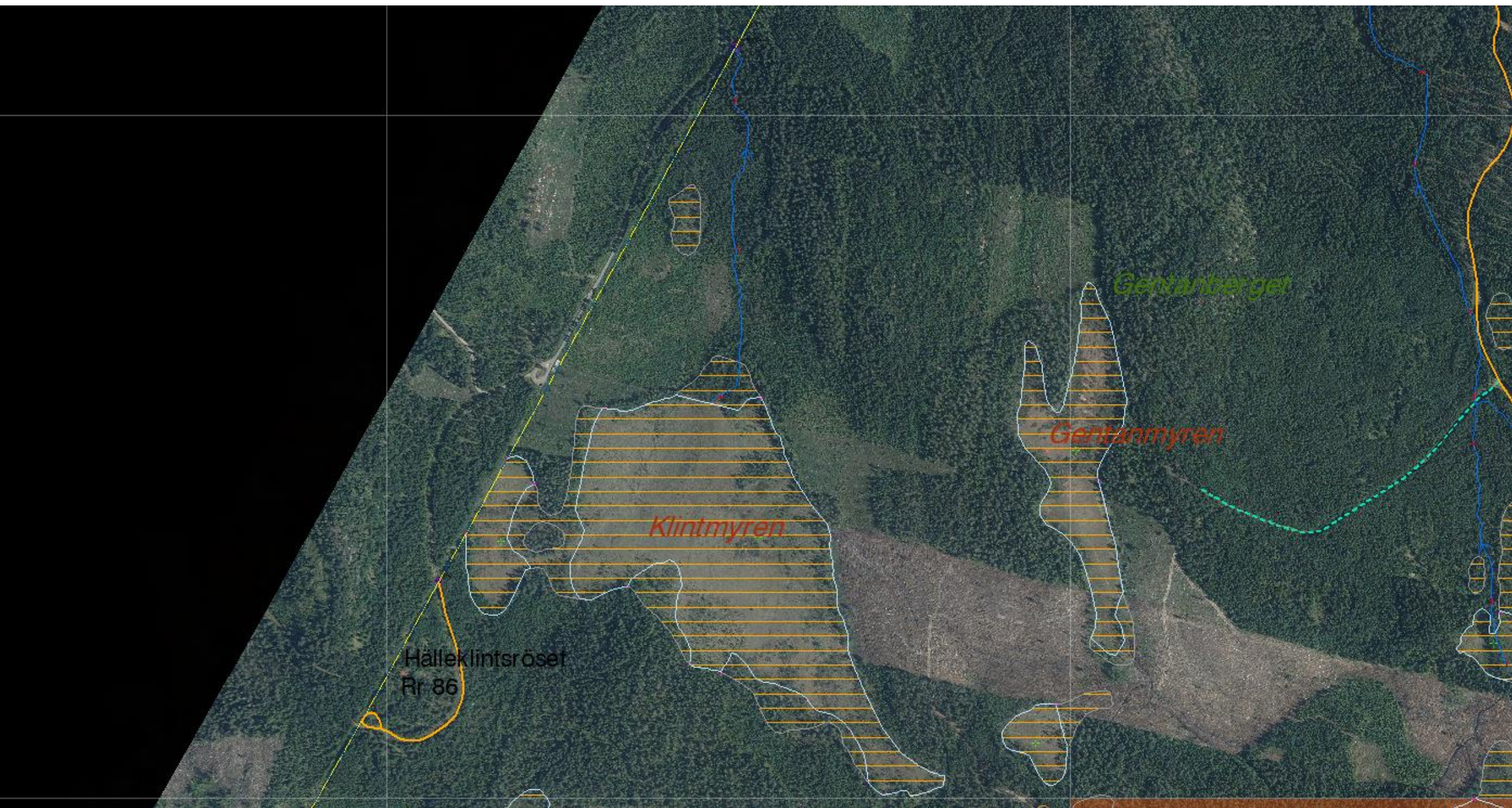
7

Linåsdolpene

125

197



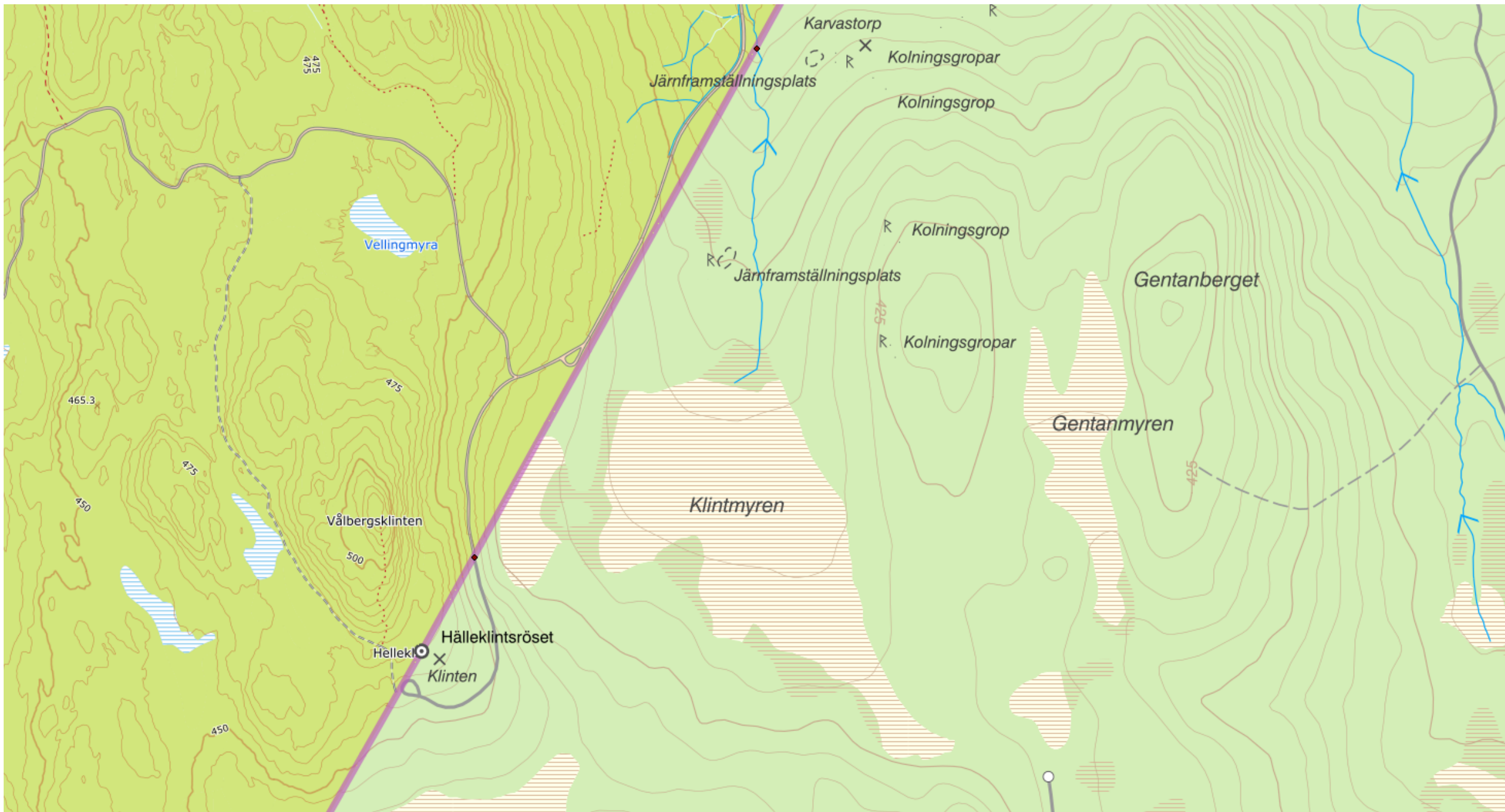


Hälleklintröset
Rr 86

Klintmyren

Gentanmyren

Gentanberger



THANKS

TACK! VI FINNS PÅ...

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