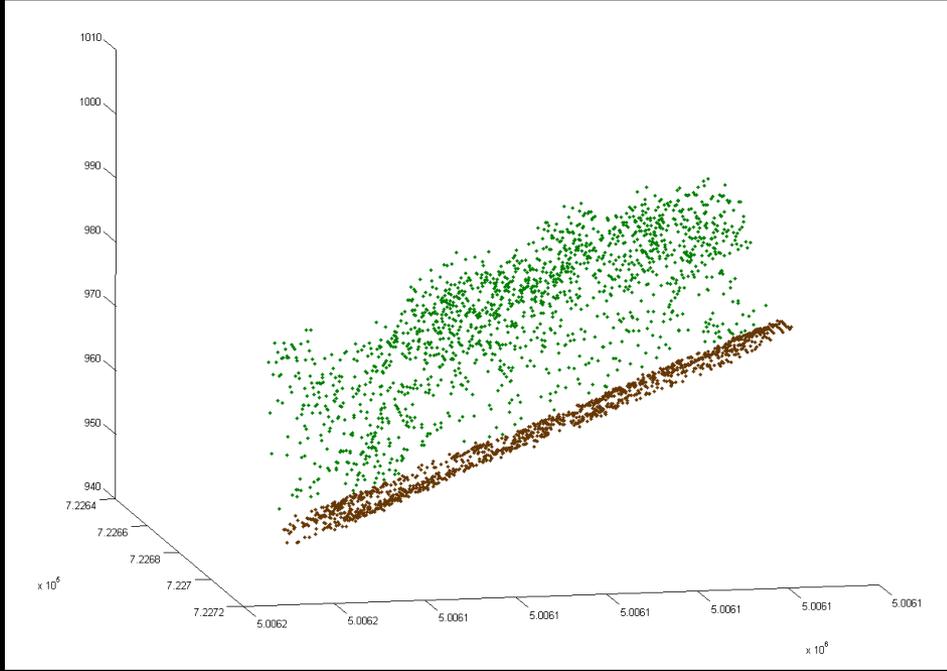
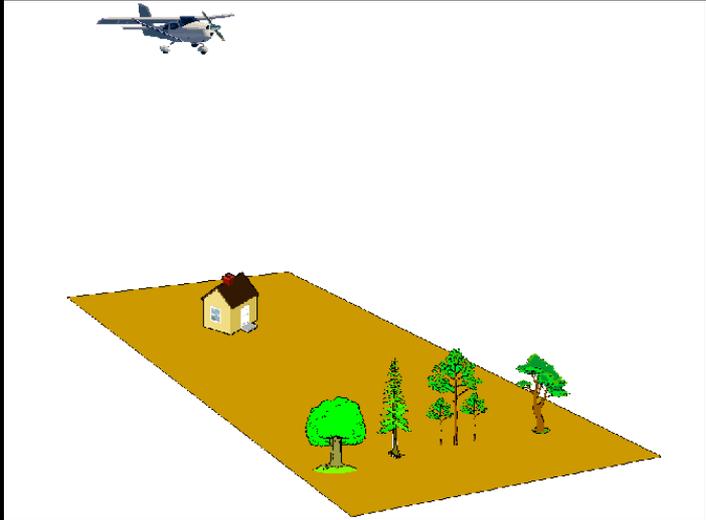


Le Lidar

et la mobilisation de la ressource forestière

Estimation des volumes sur pied (à l'aide du Lidar)

Optimisation de la desserte forestière





View1

1321-22subs.tif

Dsm_abw

- 900 - 1000
- 1000 - 1100
- 1100 - 1100
- 1100 - 1200
- 1200 - 1300
- 1300 - 1400
- 1400 - 1500
- 1500 - 1500
- 1500 - 1600
- 1600 - 1700
- No Data

Dtm_abw

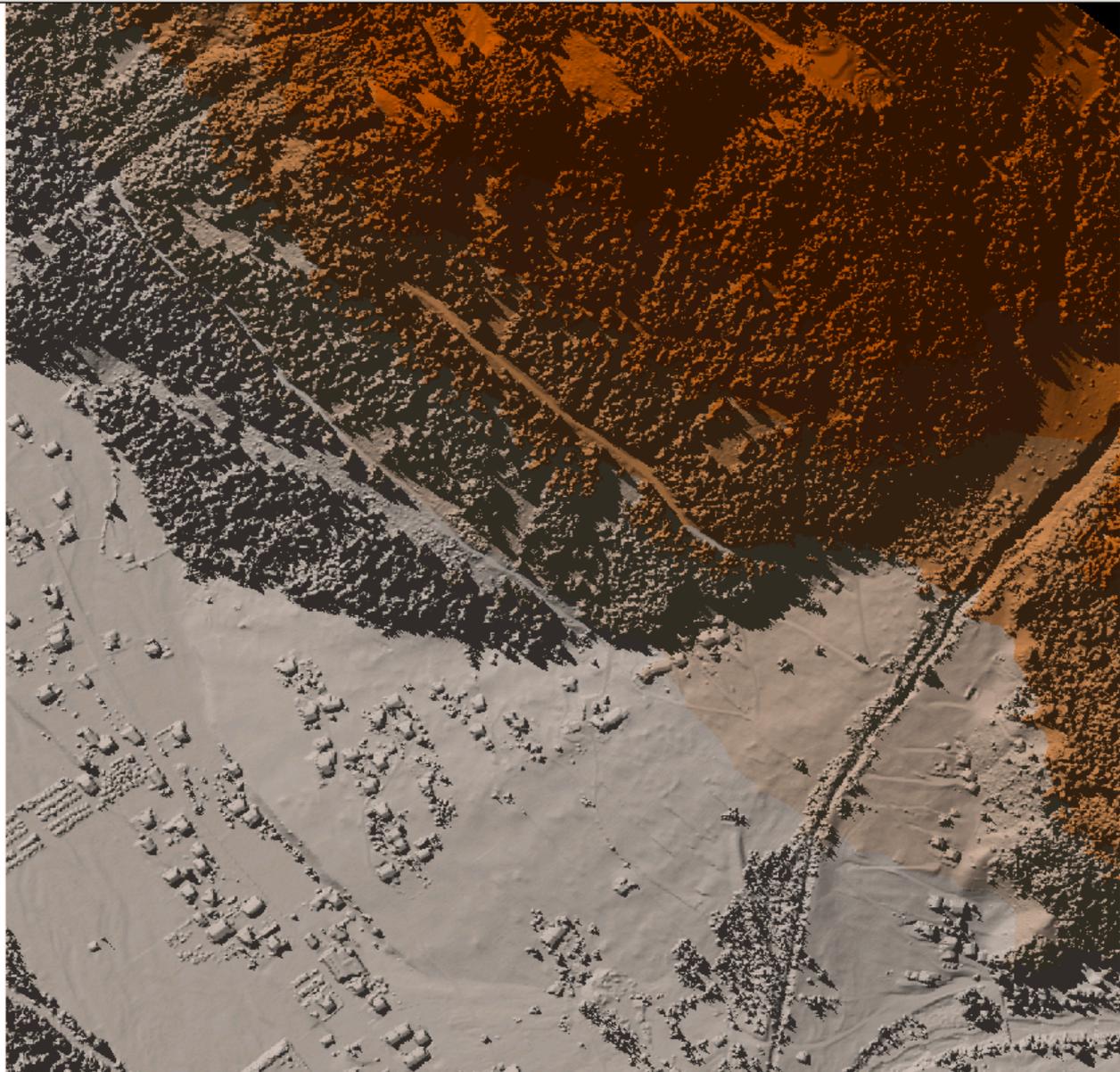
- 900 - 1000
- 1000 - 1100
- 1100 - 1100
- 1100 - 1200
- 1200 - 1300
- 1300 - 1400
- 1400 - 1500
- 1500 - 1500
- 1500 - 1600
- 1600 - 1700
- No Data

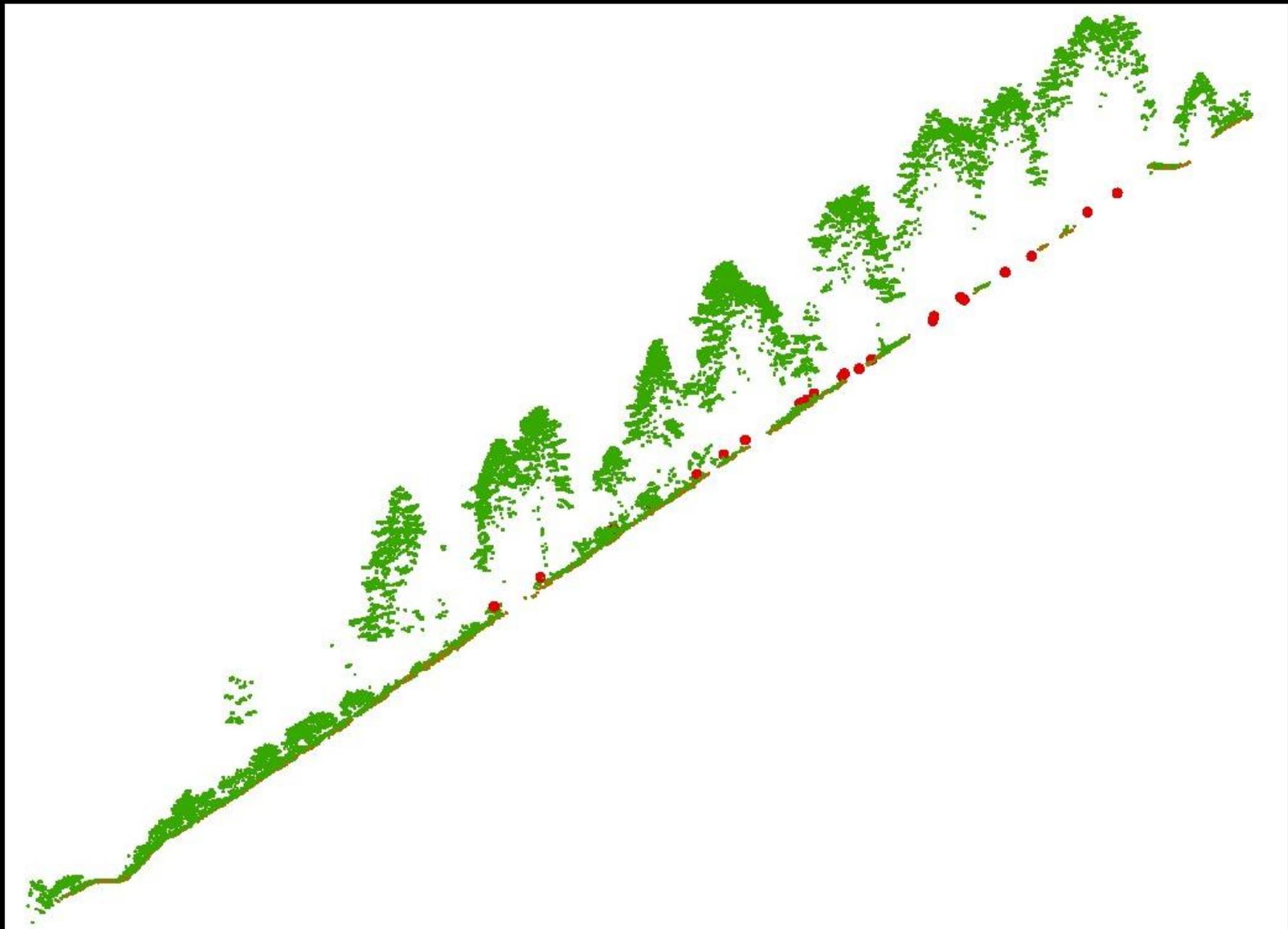
Shd_dtm_abw

- 0 - 28
- 29 - 56
- 57 - 84
- 85 - 112
- 113 - 141
- 142 - 169
- 170 - 197
- 198 - 225
- 226 - 254
- No Data

Shd_dsm_abw

- 0 - 28
- 29 - 56
- 57 - 84
- 85 - 112
- 113 - 141
- 142 - 169
- 170 - 197
- 198 - 225
- 226 - 254
- No Data

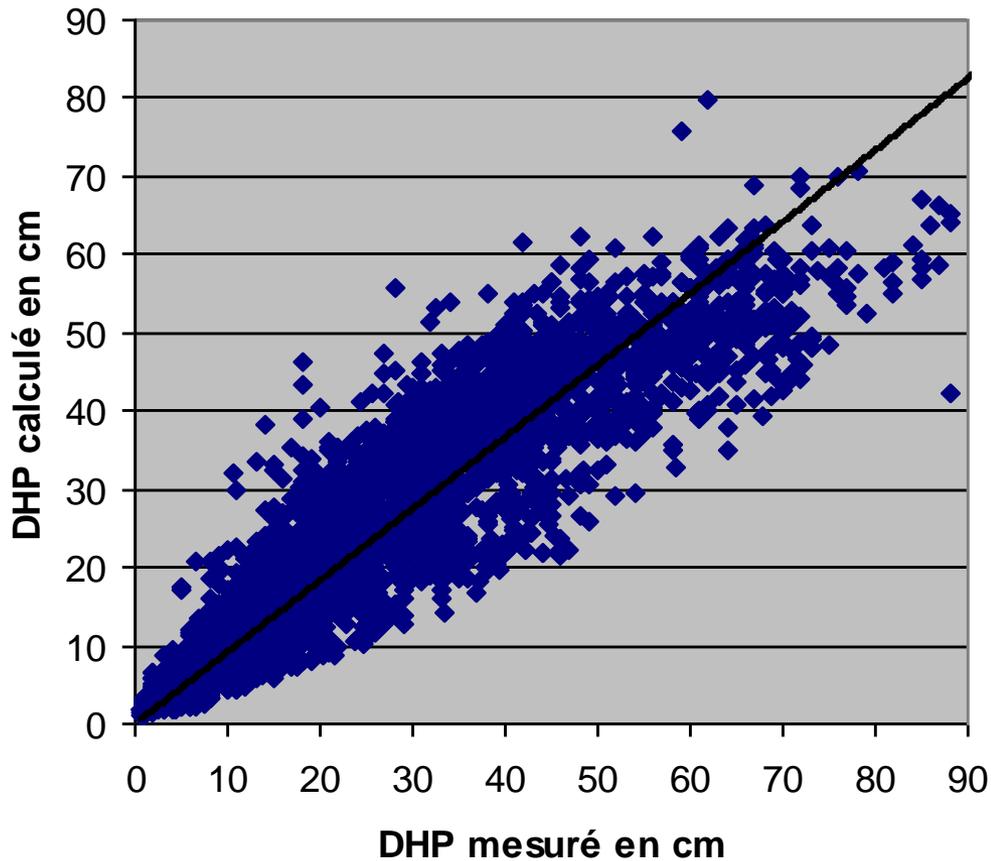




5296 arbres mesurés depuis 1995

(toutes essences confondues, 2 campagnes de relevés sur nos placettes permanentes)

Diamètre à 1,30 m en fonction du DHP calculé



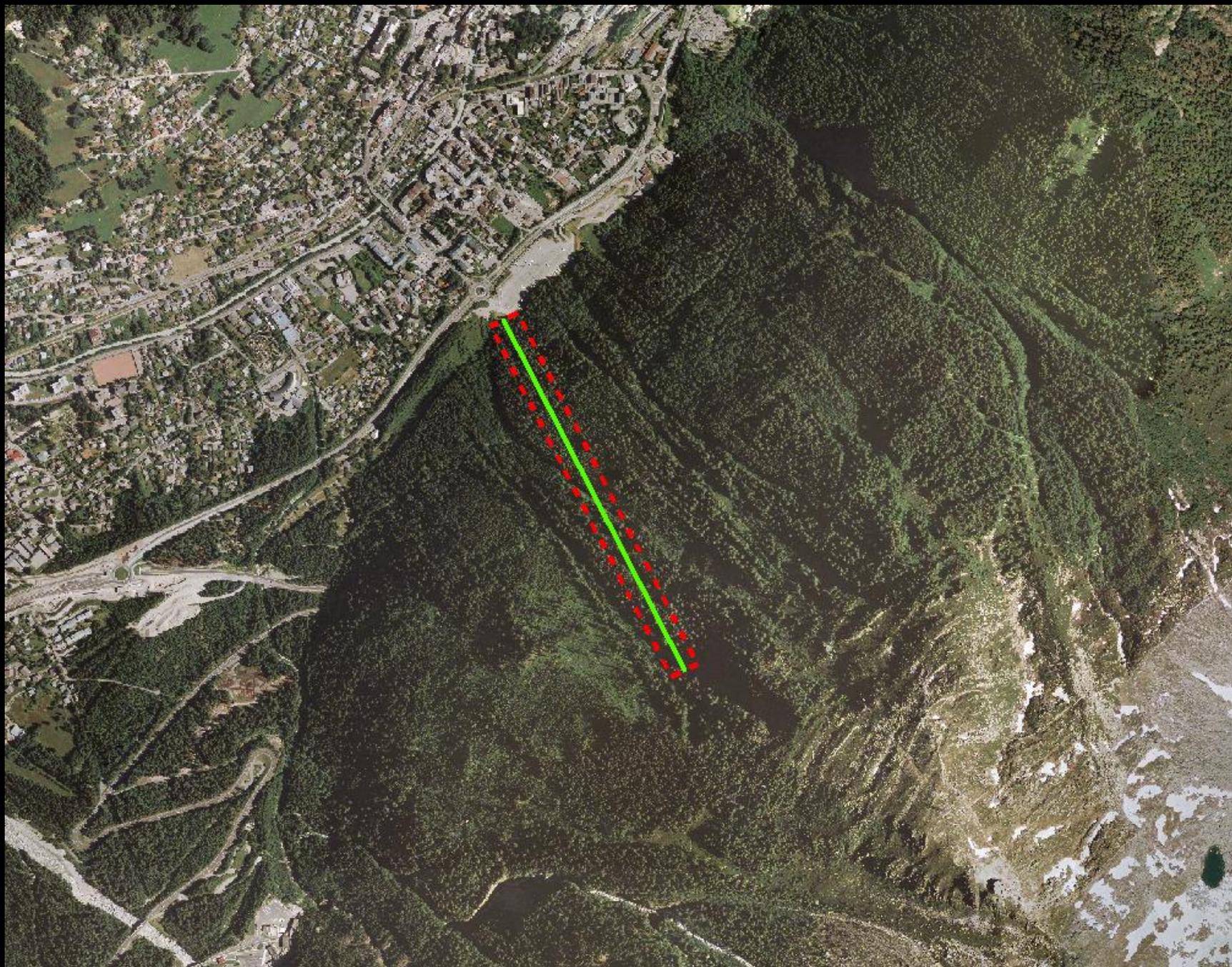
$$y = 0,9169x$$

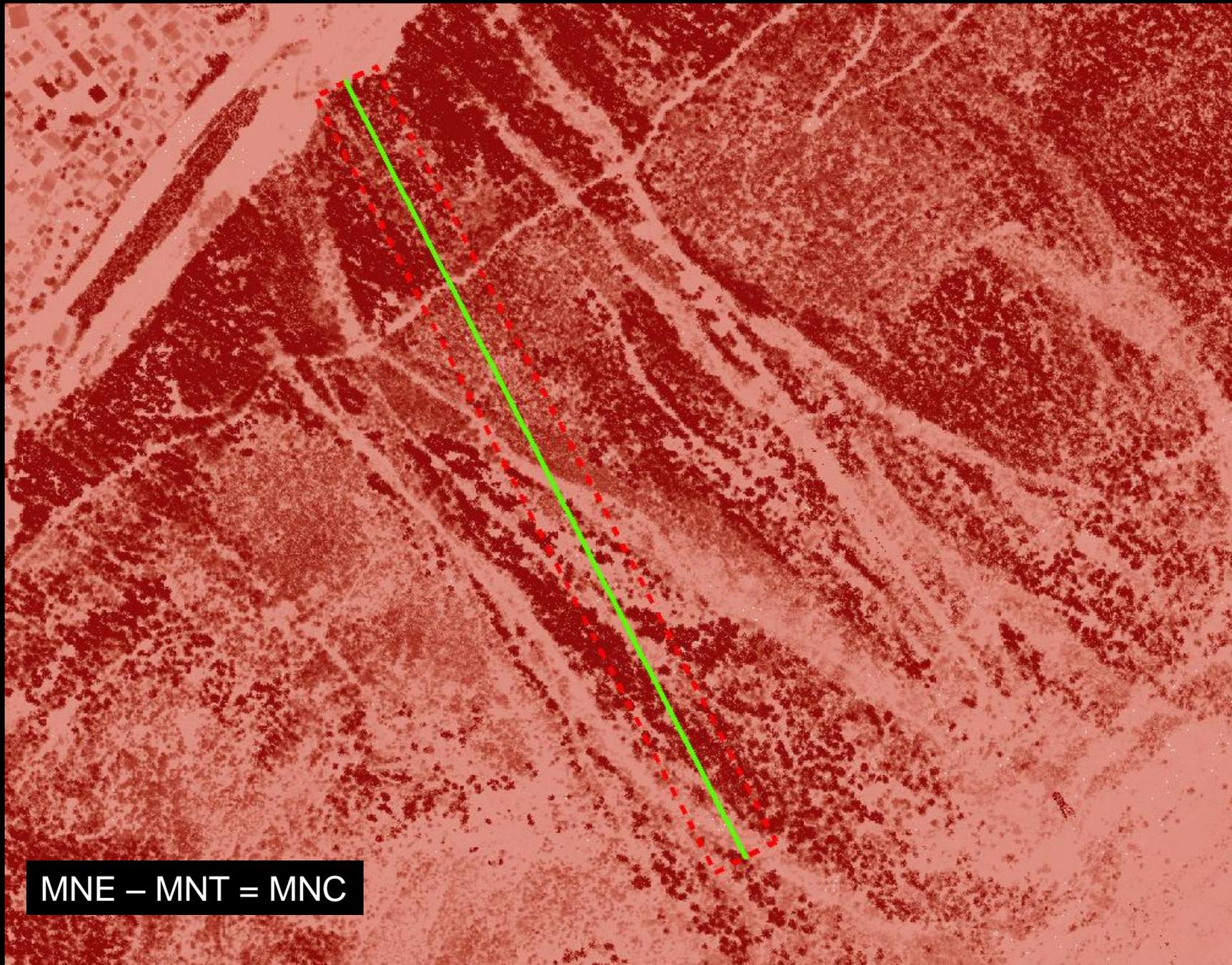
$$R^2 = 0,8516$$

— Linéaire ajustement DHP mes
et calculé

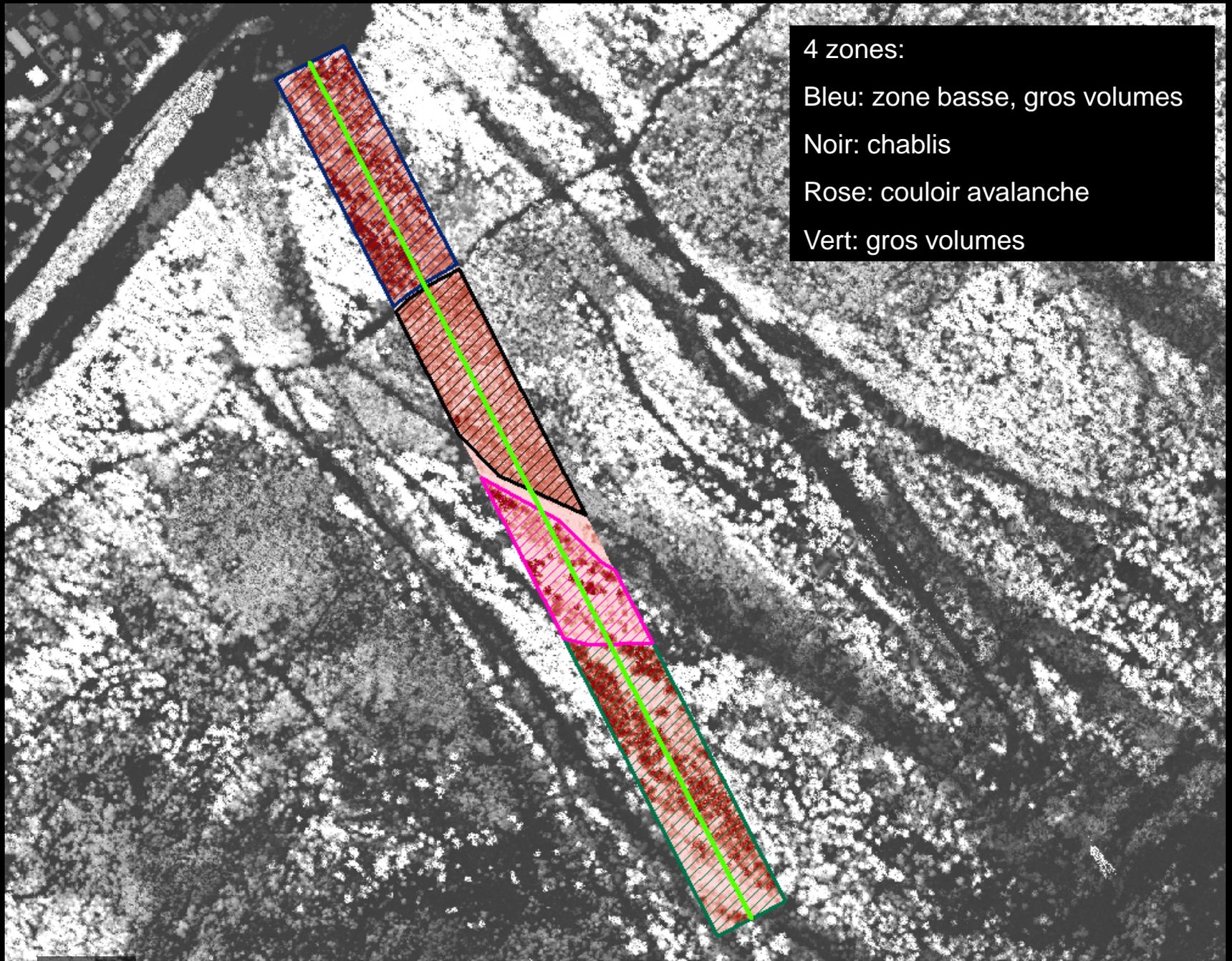
RMSE = 6,76

Coef dét = 0,86



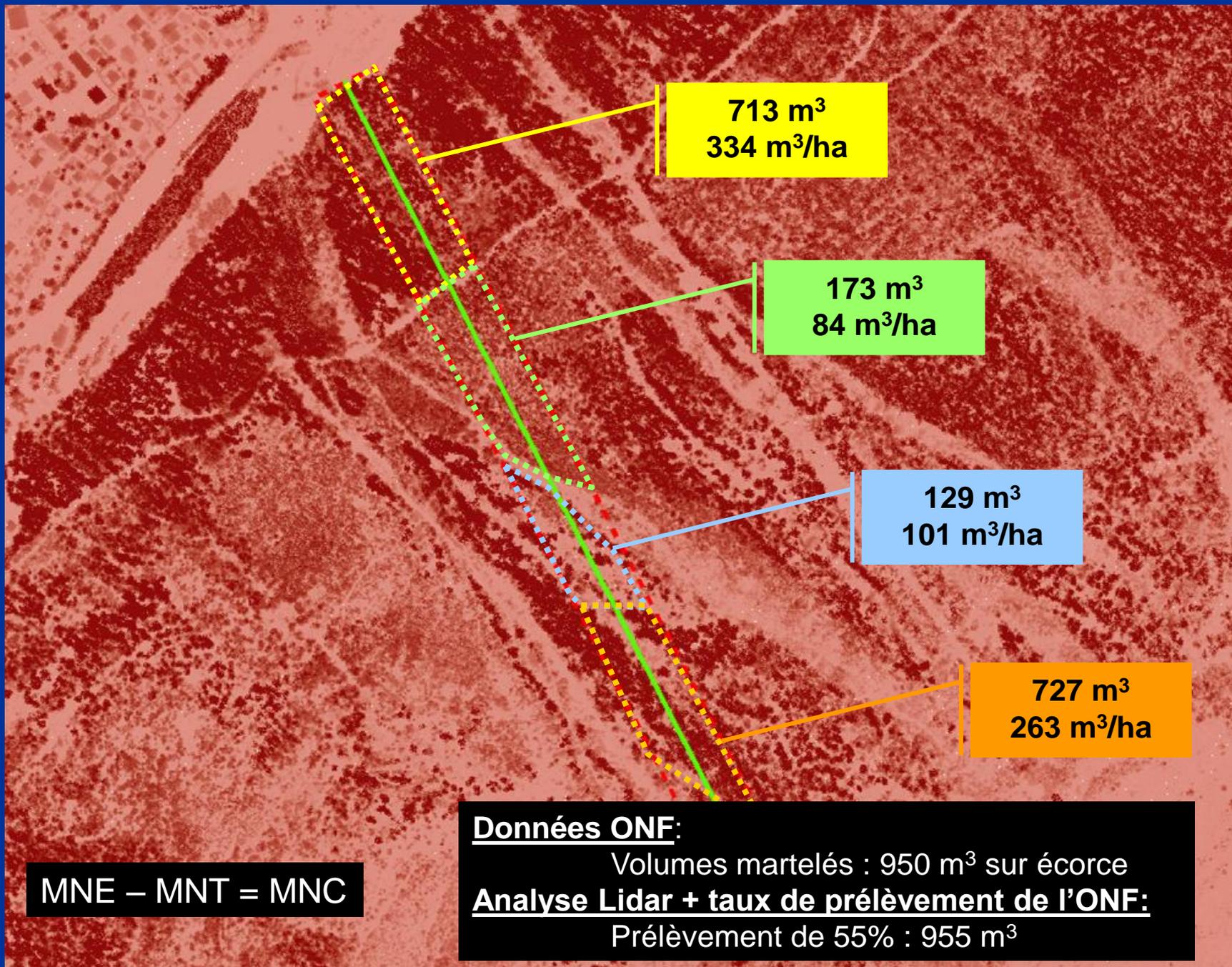


MNE - MNT = MNC



4 zones:
Bleu: zone basse, gros volumes
Noir: chablis
Rose: couloir avalanche
Vert: gros volumes

100m



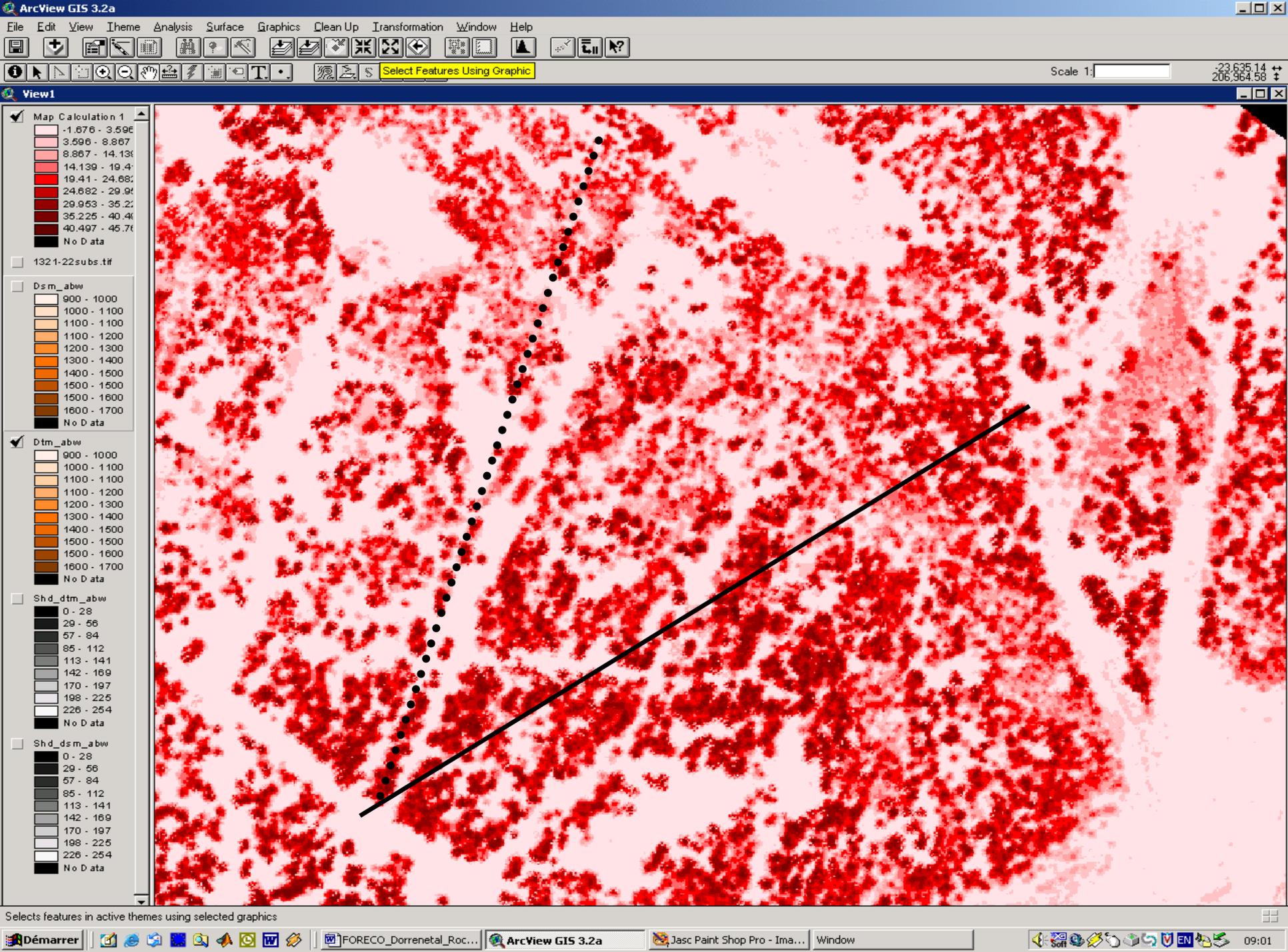
MNE – MNT = MNC

Données ONF:

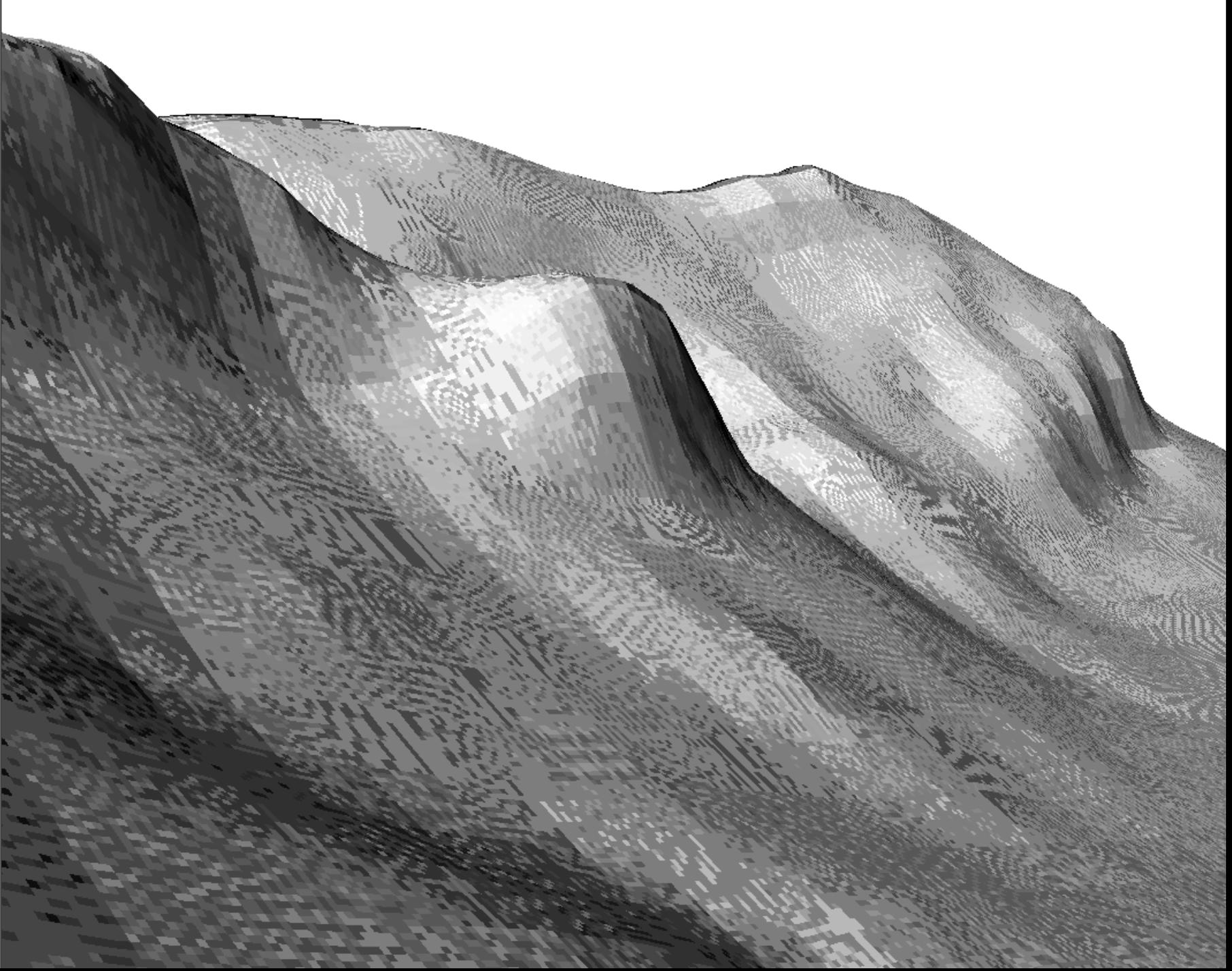
Volumes martelés : 950 m³ sur écorce

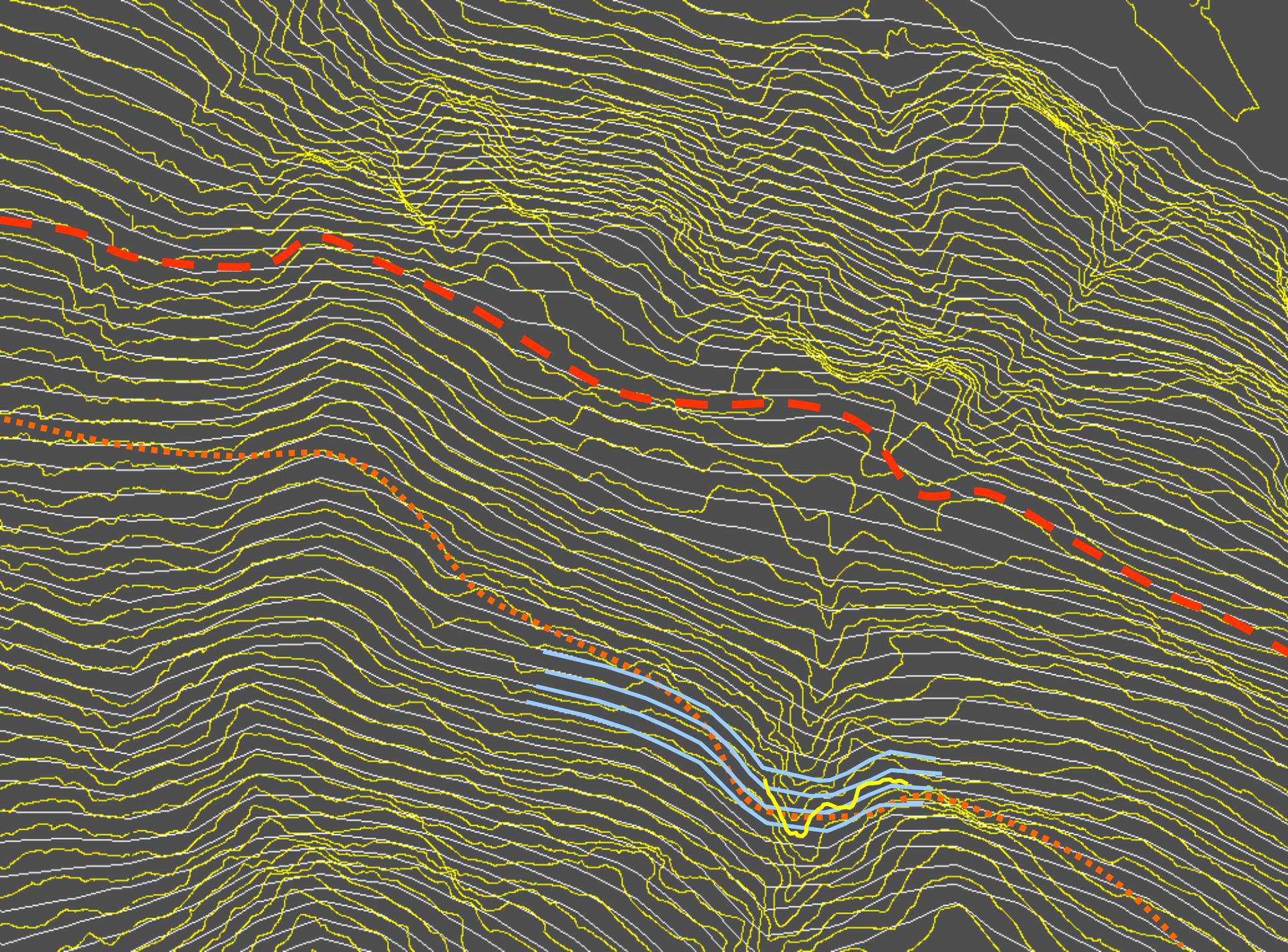
Analyse Lidar + taux de prélèvement de l'ONF:

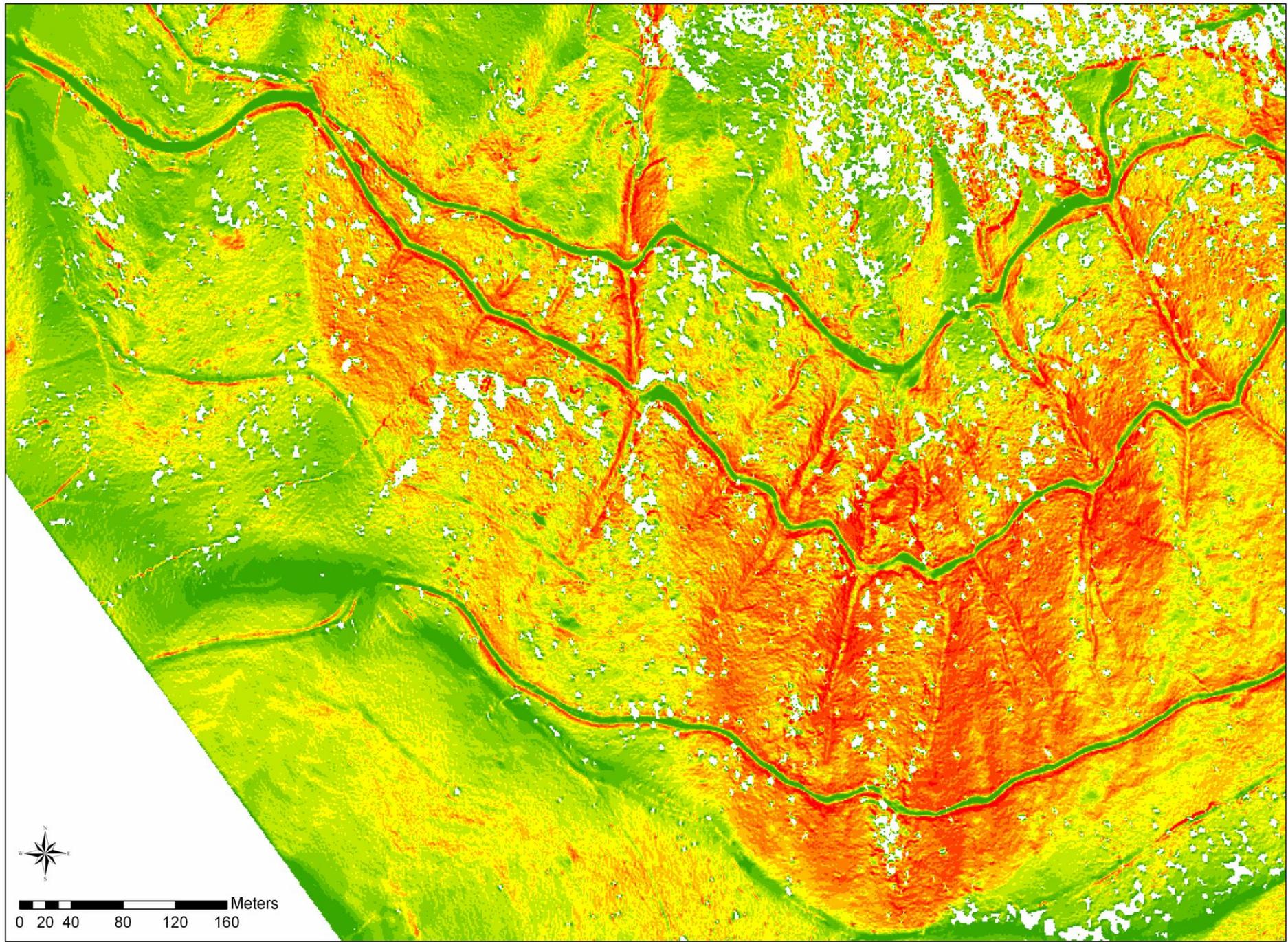
Prélèvement de 55% : 955 m³





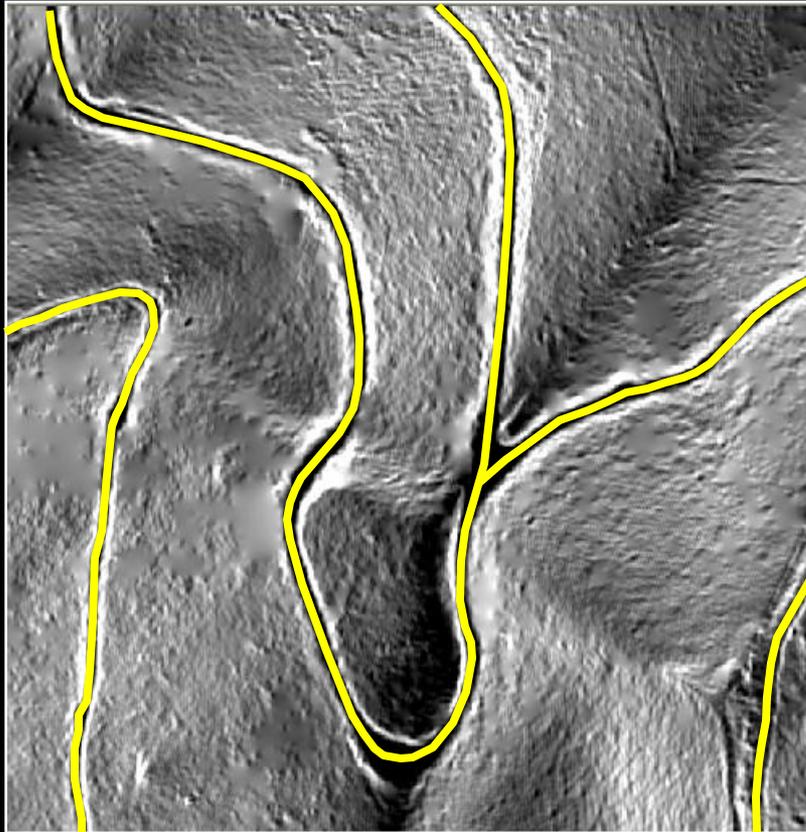






0 20 40 80 120 160 Meters

Extraction semi-automatique



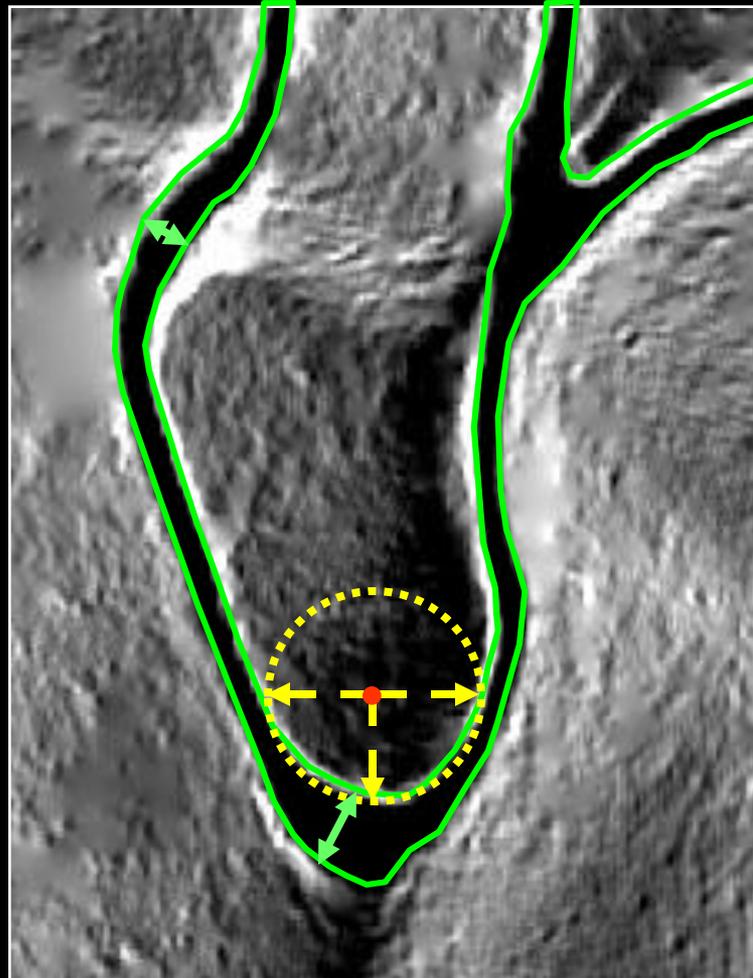
Pente en %:

Faible

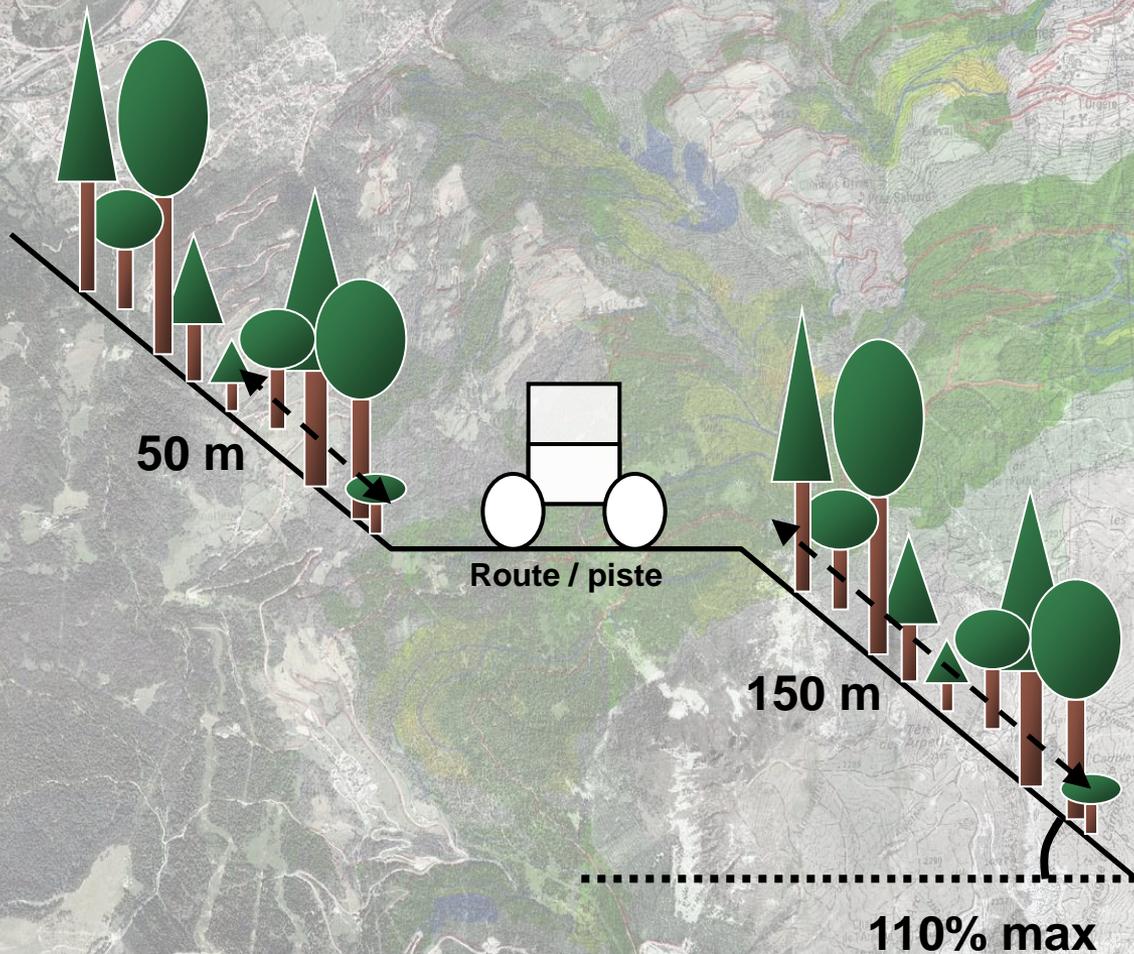
Elevée

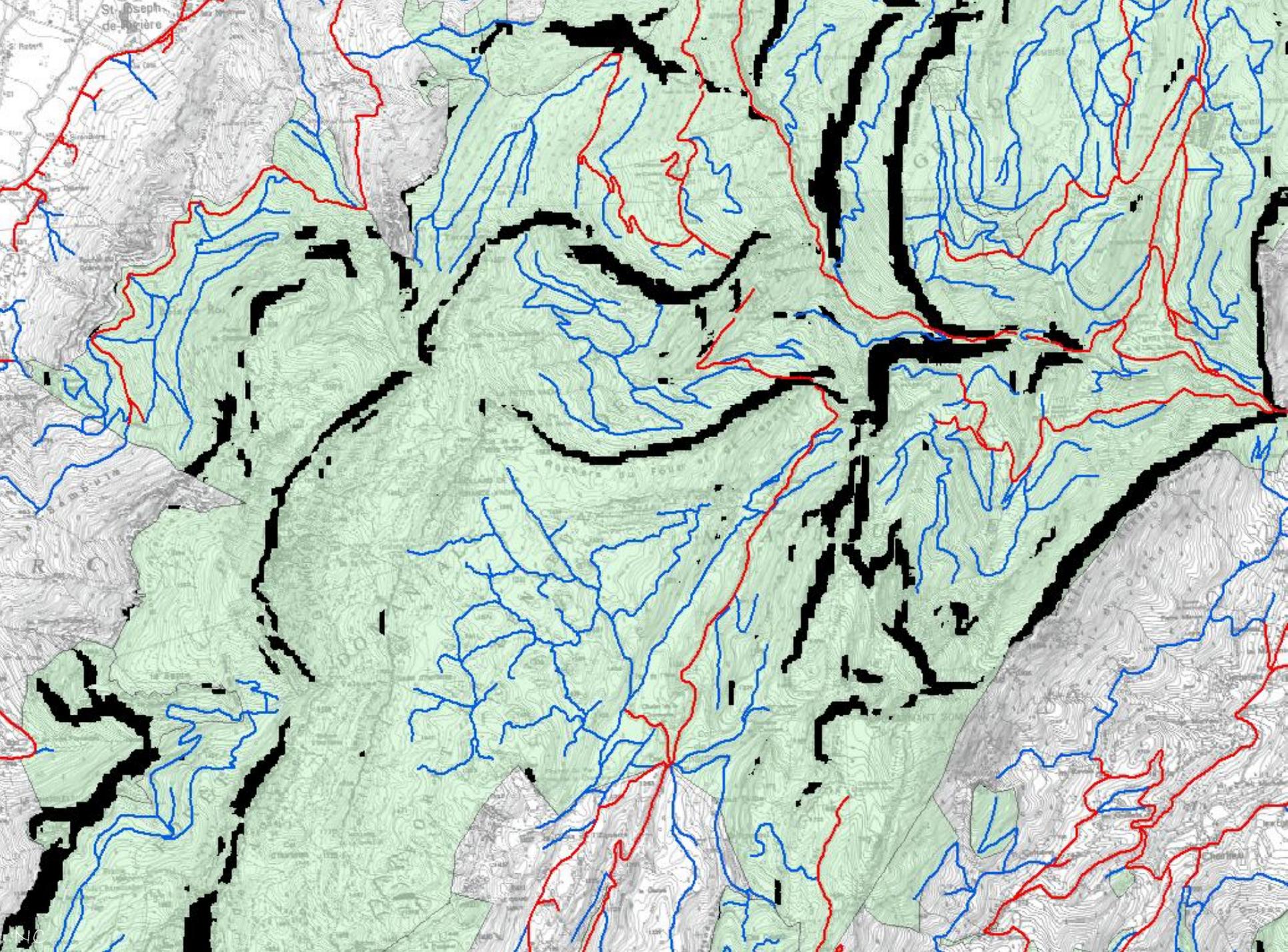


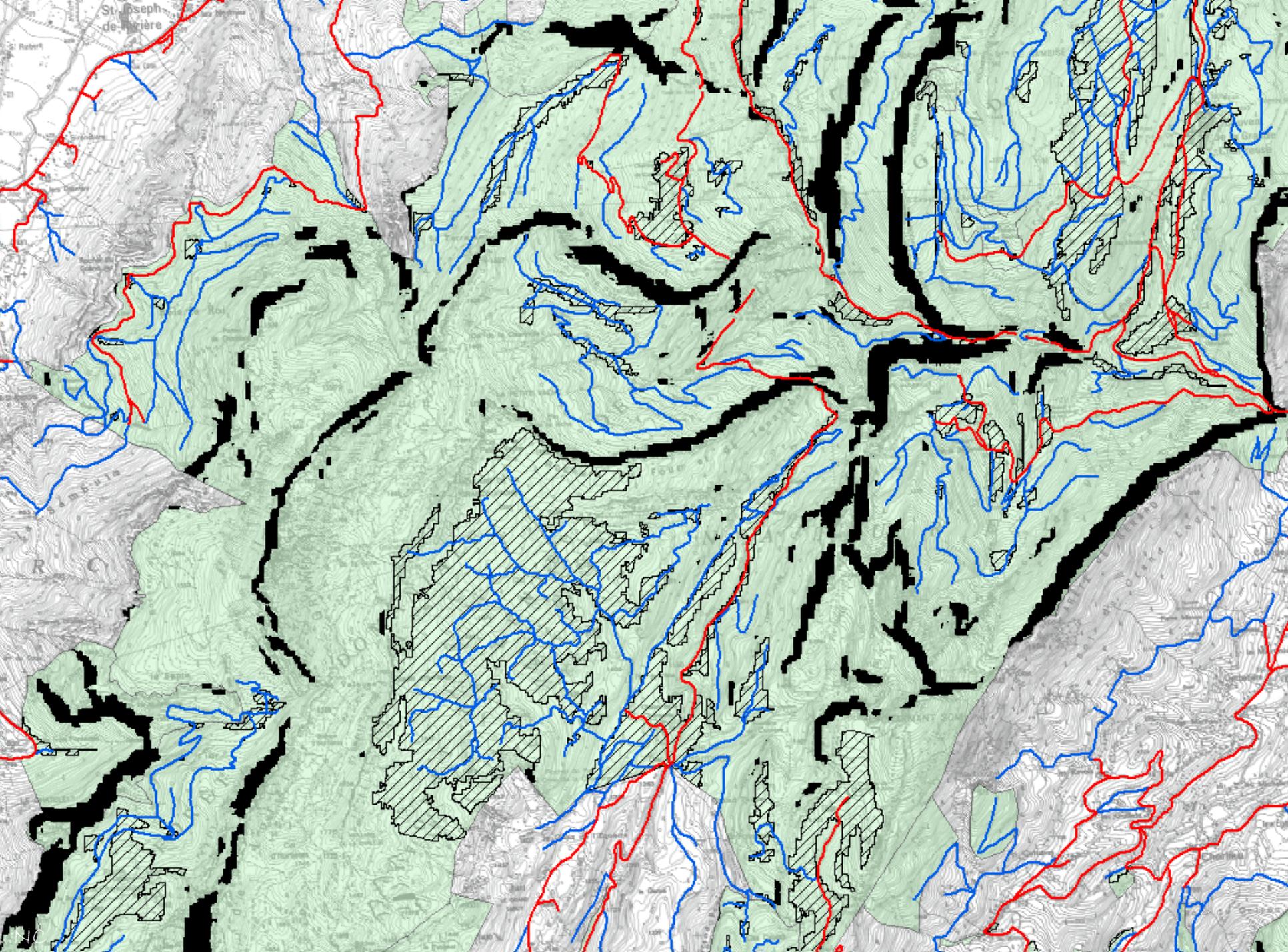
Qualification semi-automatique

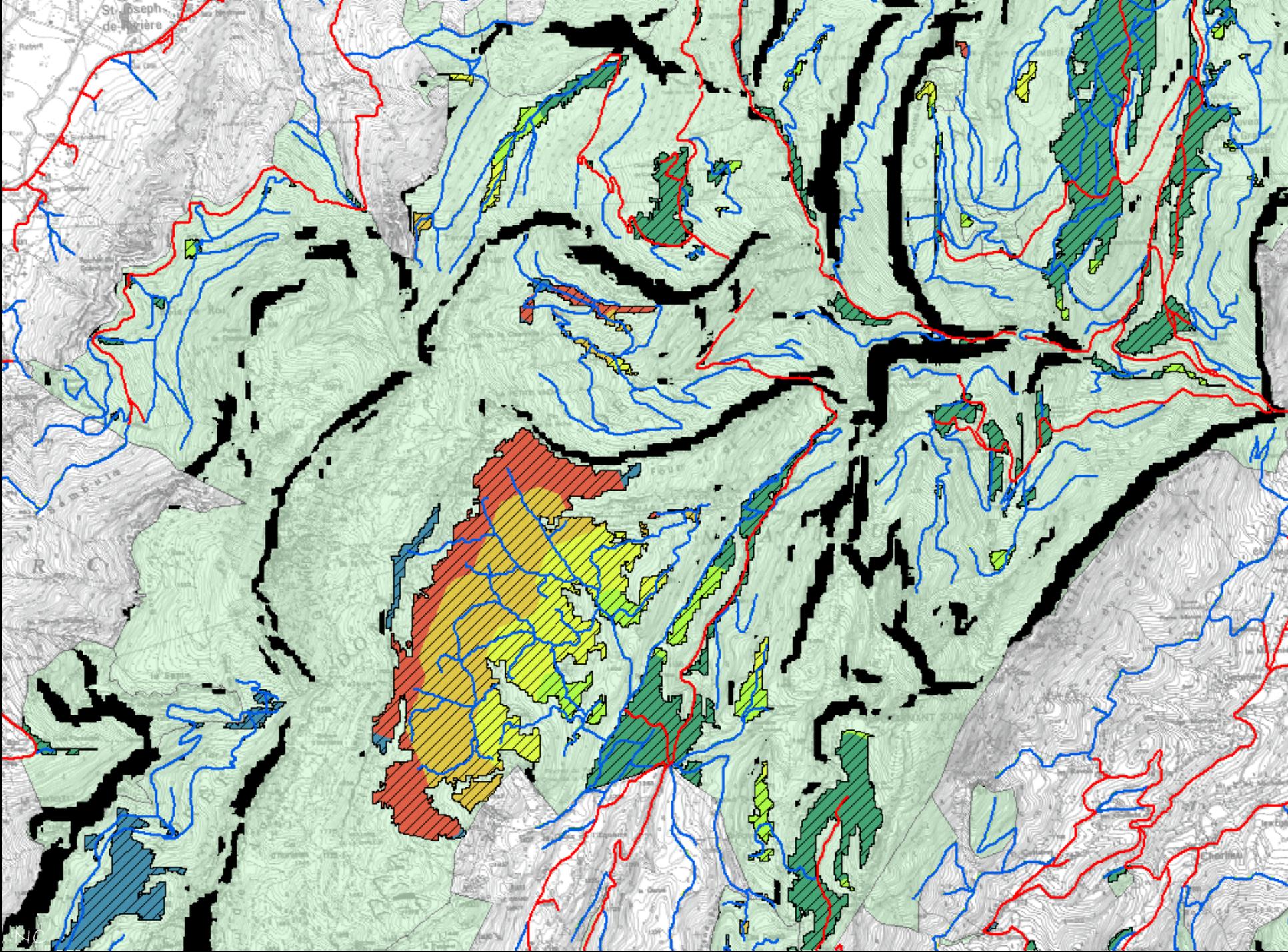


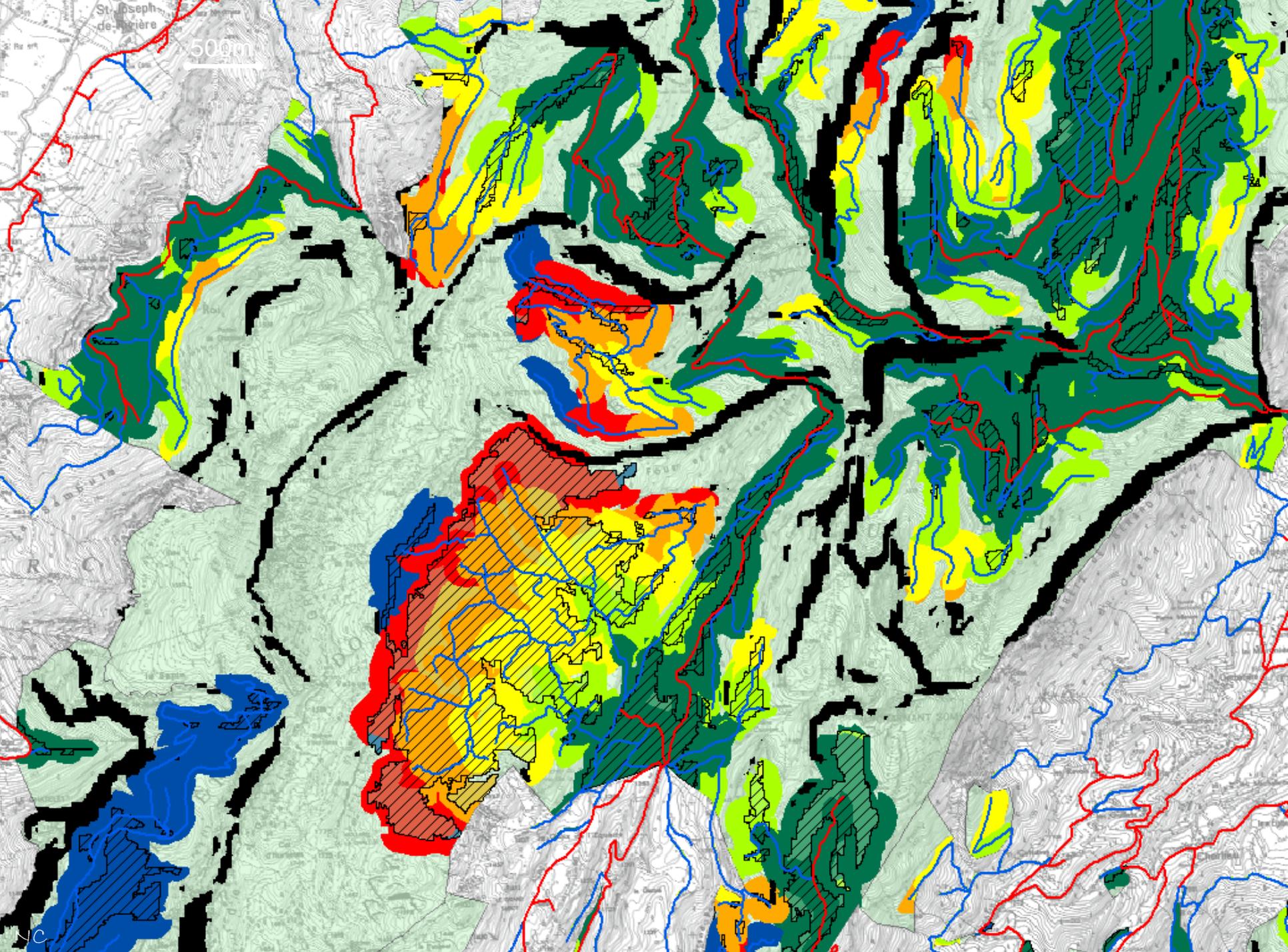
🌿 Sur le réseau de desserte

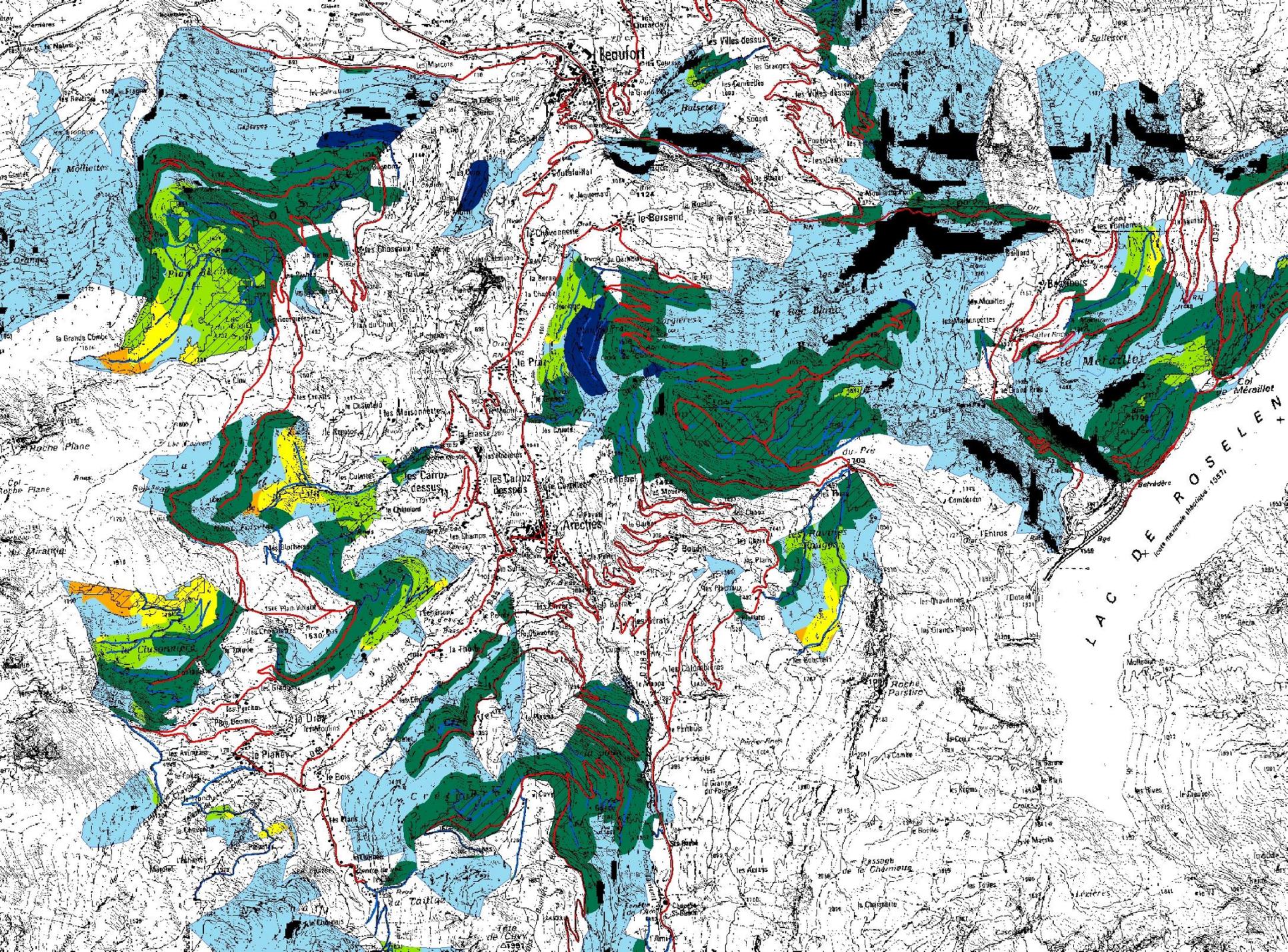












SIEM

Systeme d'Information et d'Experimentation sur la Mobilisation du bois

