
Modélisation

des retombées de panaches

Centre de stockage de déchets ménagers et assimilés
Alvéol - SYDED87

Localisation : Bellac

Date : modélisation 2009



La Surveillance de l'Air en Limousin

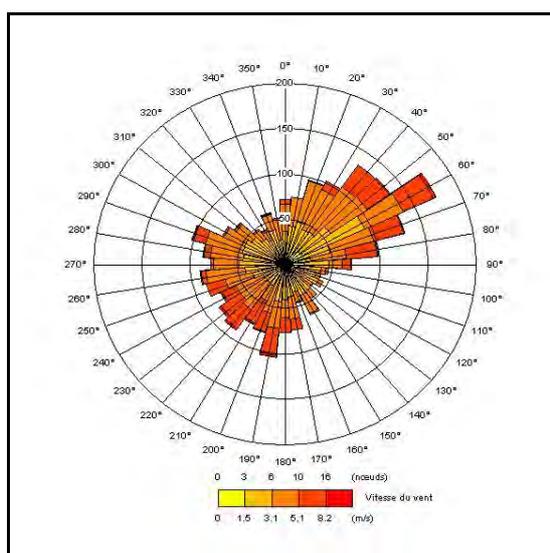
I - Paramètres d'entrée

Sources émettrices :

Sources	Surfaces (m ²)	Températures (°C)
Andains sur aire de stabilisation	7500	46.2
Biofiltres	378	40
Alvéoles (casiers)	4200	40
Bassins à lixiviats	1700	15

Conditions météorologiques :

	Données météorologiques
dates	du 01 janvier au 31 décembre 2009
format	tri-horaires
quantités	2920 données
précision	10 °
Hauteur de mesure	10 m
fournisseur	Météo-France
station	N° 87085006



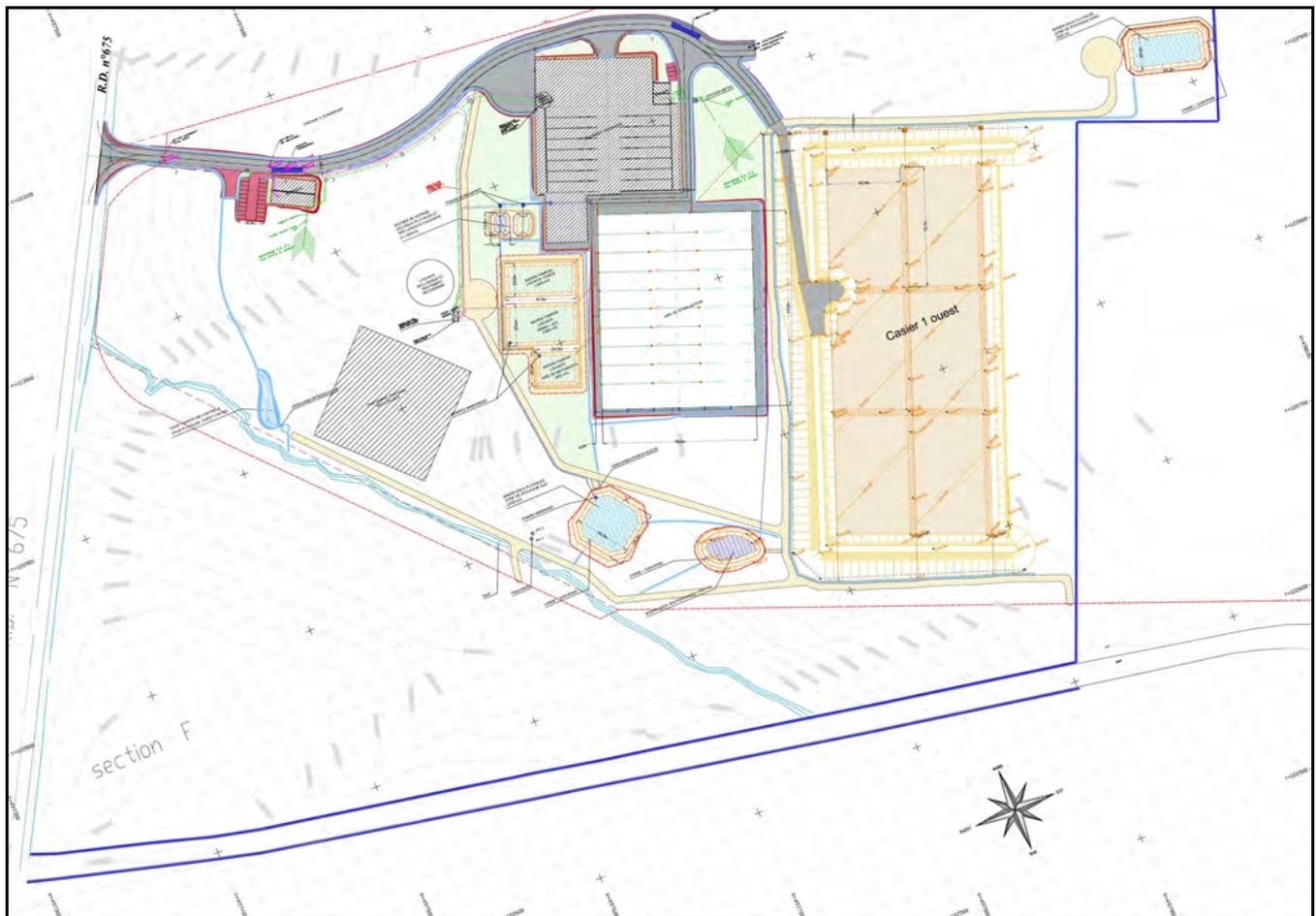
Rose des vents, année 2009

Relief :

	Relief
xMin, yMin	481631, 2111311
xMax, yMax	518184, 2140834
quantités	4988 points d'élévation
fournisseur	NASA
modèle	modèle numérique de terrain SRTM3
précision	3 arc-seconde

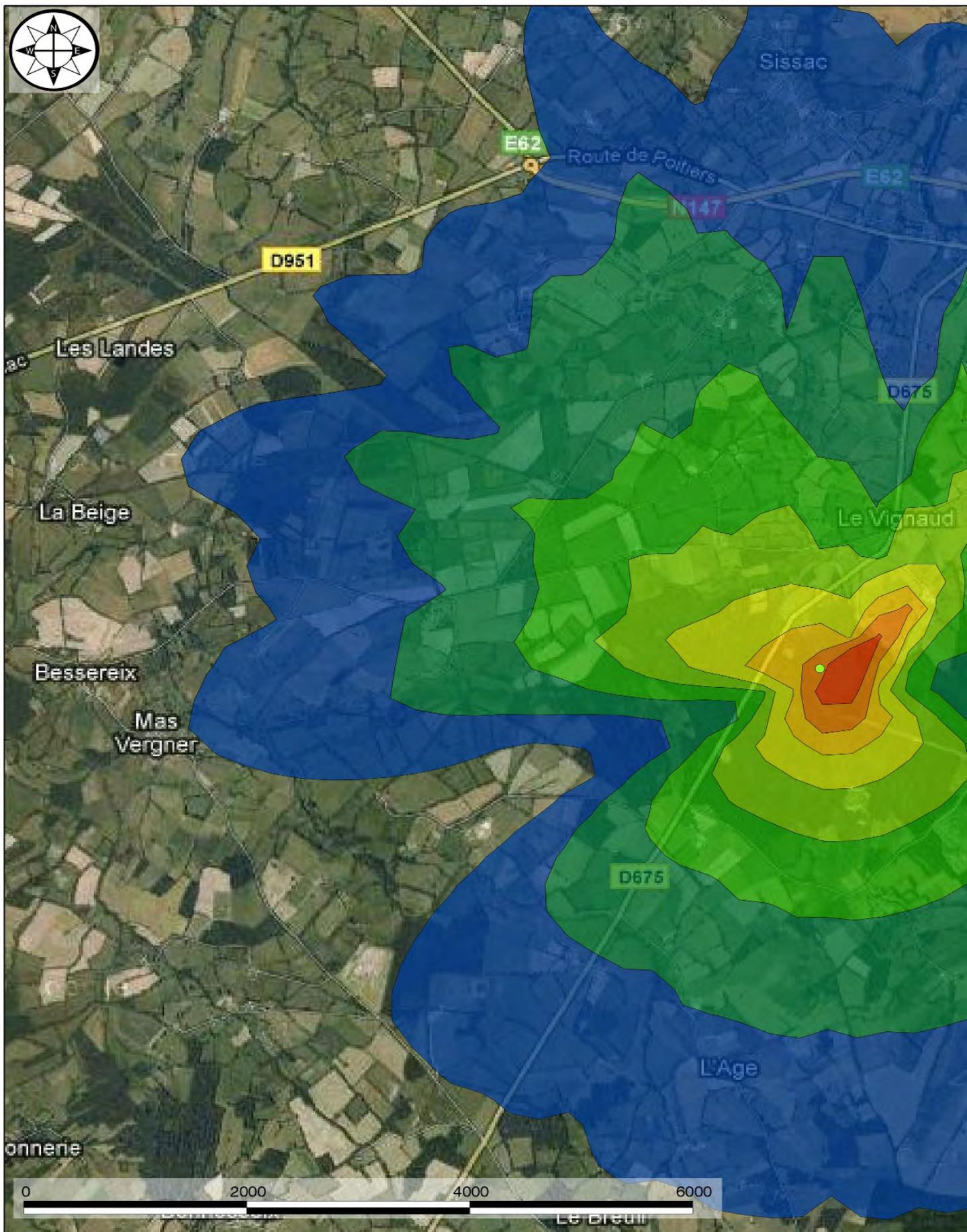
Configuration des calculs :

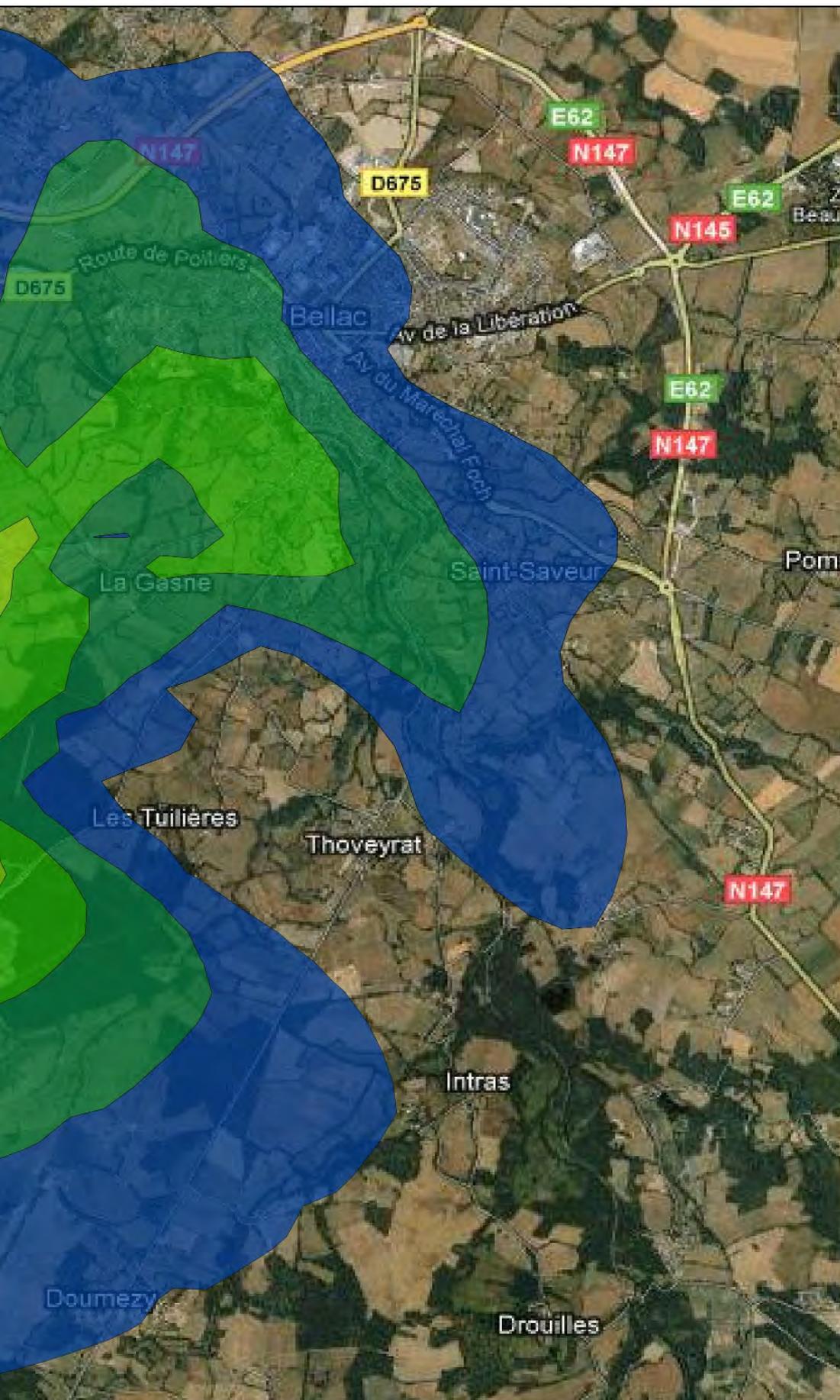
paramètre	valeur
modèle	ADMS Urban 2.3
fournisseur	CERC (Cambridge)
modélisation du terrain	module Flowstar activé, grille fine 64x64
rugosité de surface	constante sur le domaine à 1 m
longueur de Monin-Obukhov	10 m
Flux utilisés	Rapports d'essai IRH n° DCC10068AY-1



Plan du site

II – Résultats de modélisation





Légende

ALVEOL - SYDED87



Alvéoles

% d'impact maximal

0.0 - 0.3906

0.3906 - 0.7812

0.7812 - 1.5625

1.5625 - 3.125

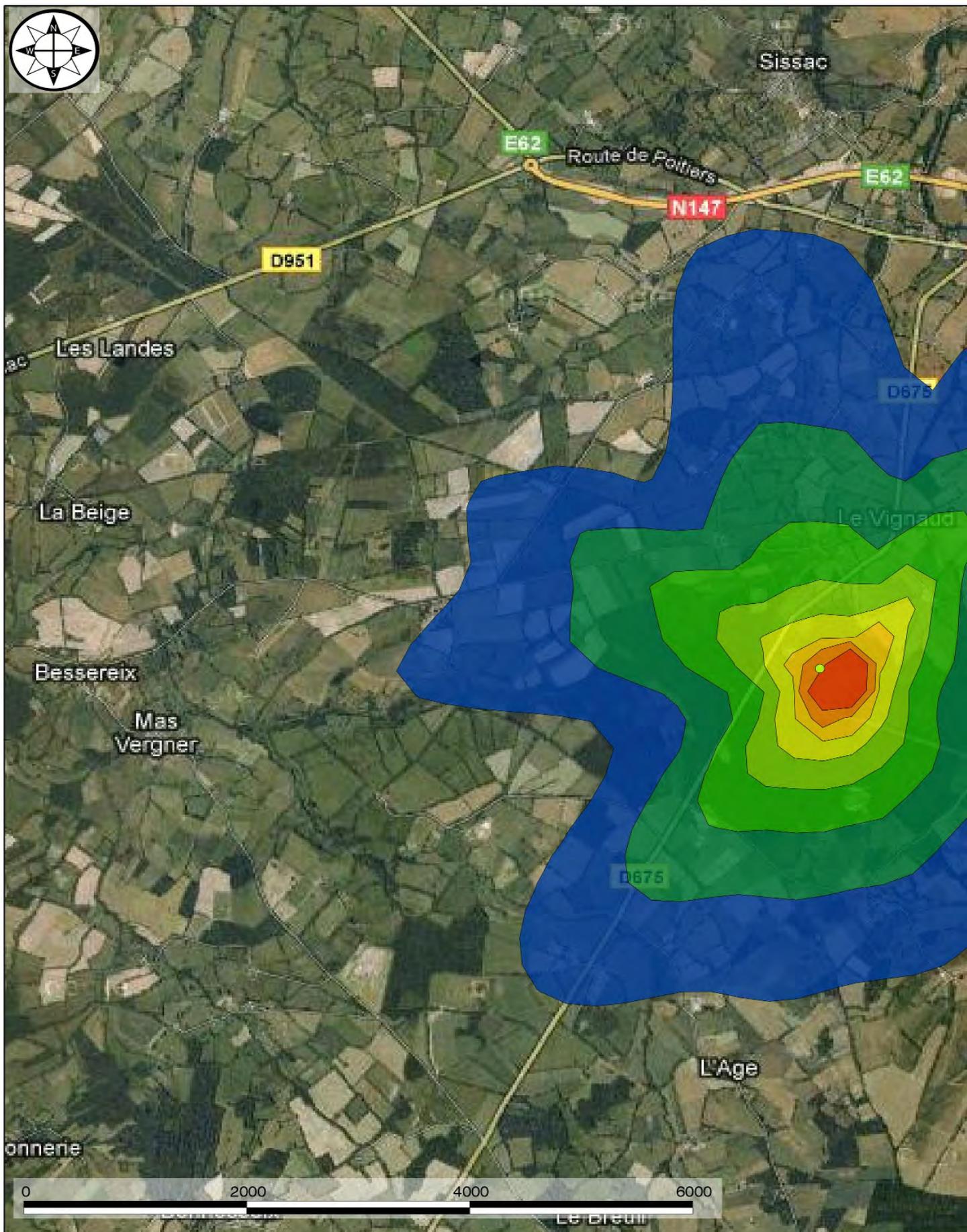
3.125 - 6.25

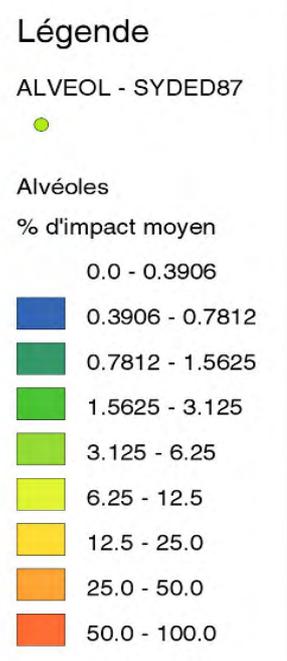
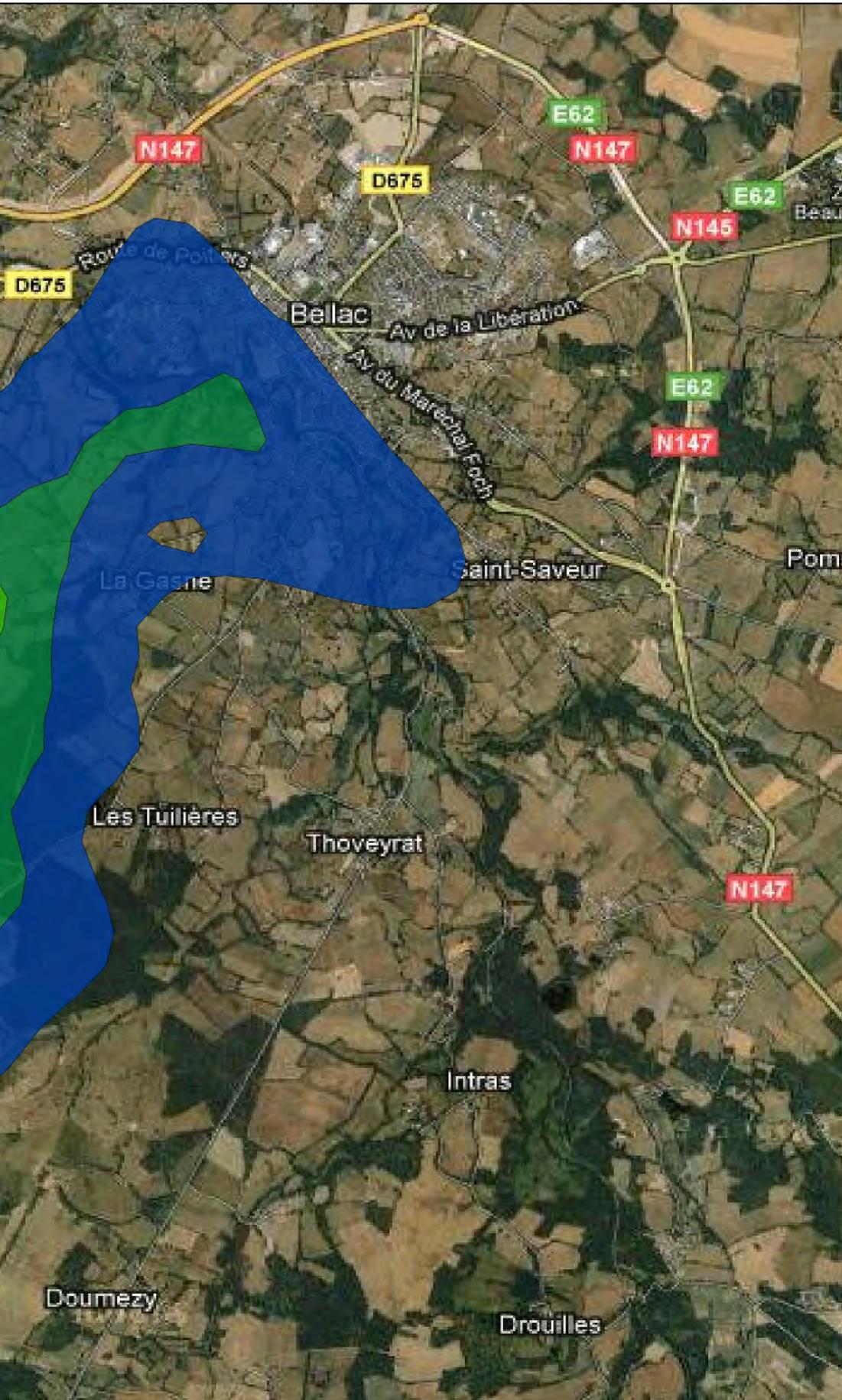
6.25 - 12.5

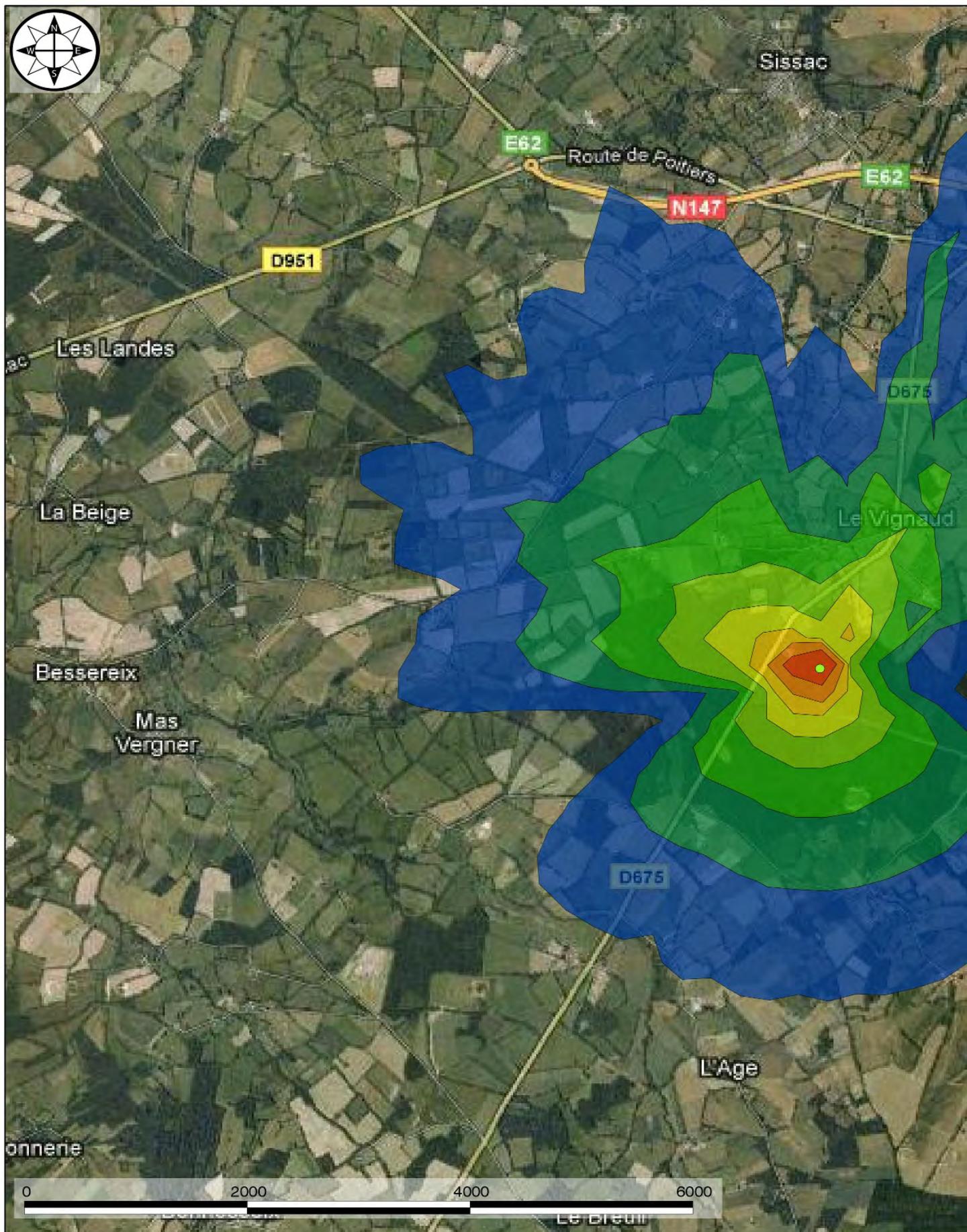
12.5 - 25.0

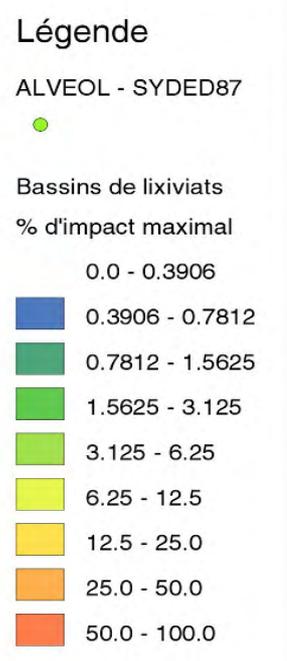
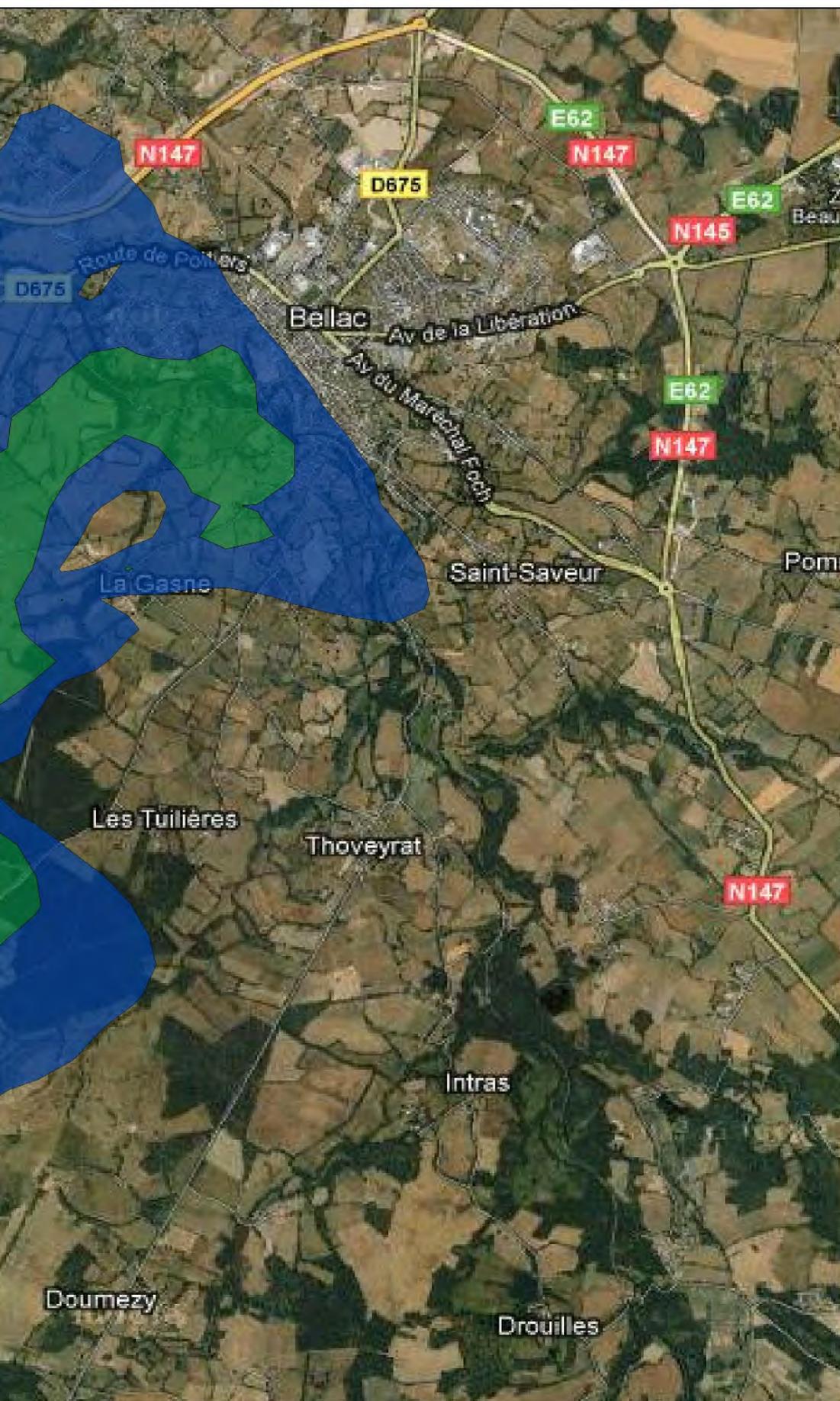
25.0 - 50.0

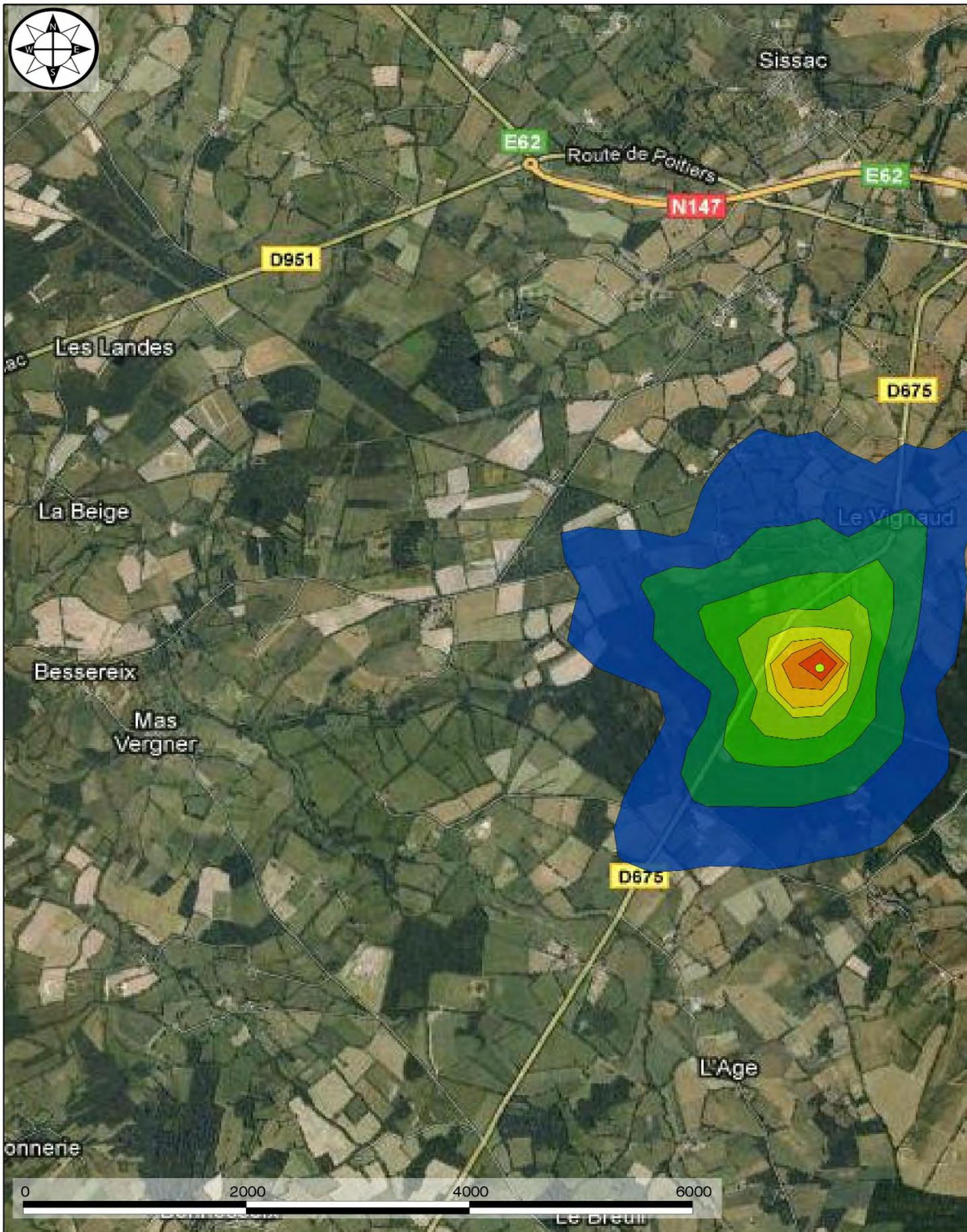
50.0 - 100.0

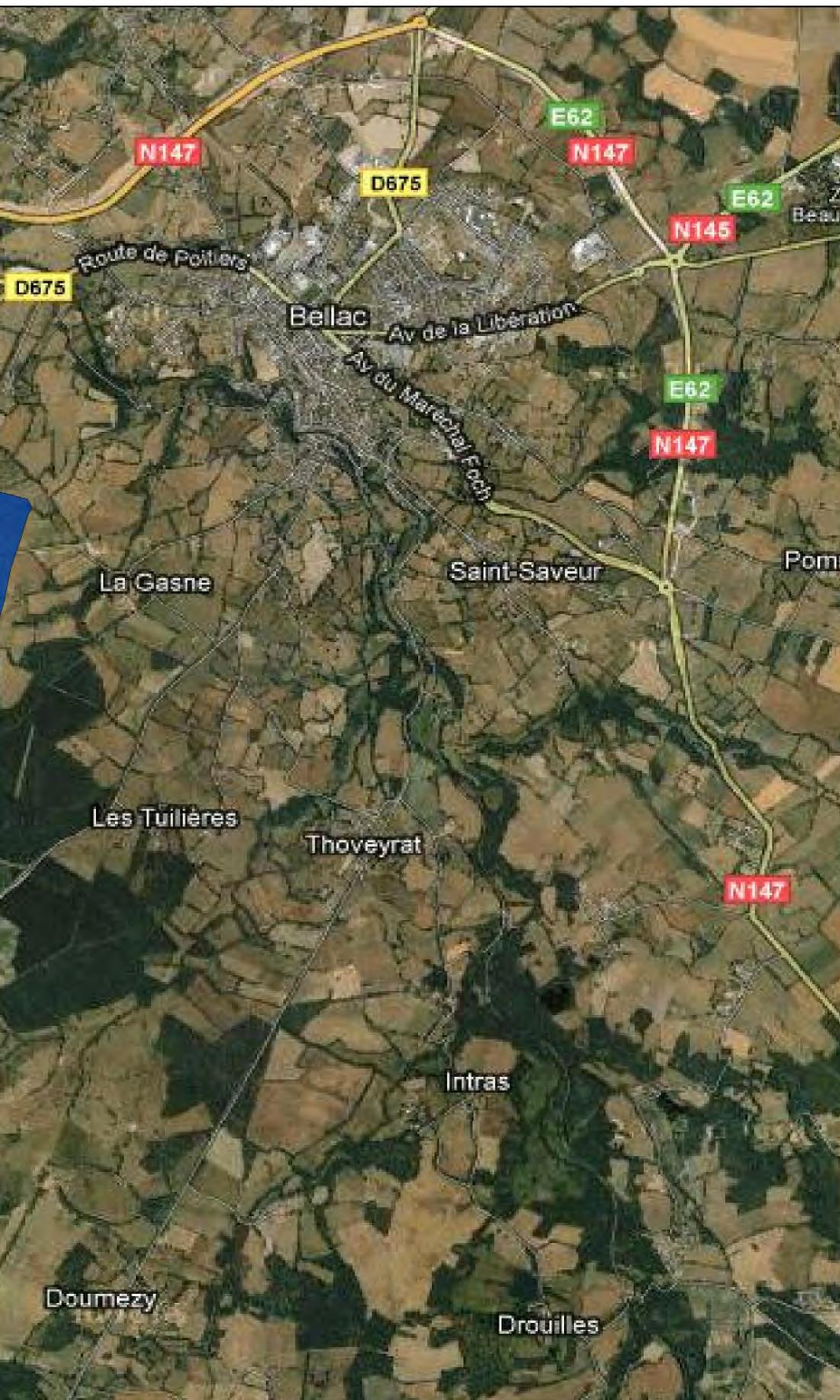












Légende

ALVEOL - SYDED87



Bassins de lixiviats
% d'impact moyen

0.0 - 0.3906

0.3906 - 0.7812

0.7812 - 1.5625

1.5625 - 3.125

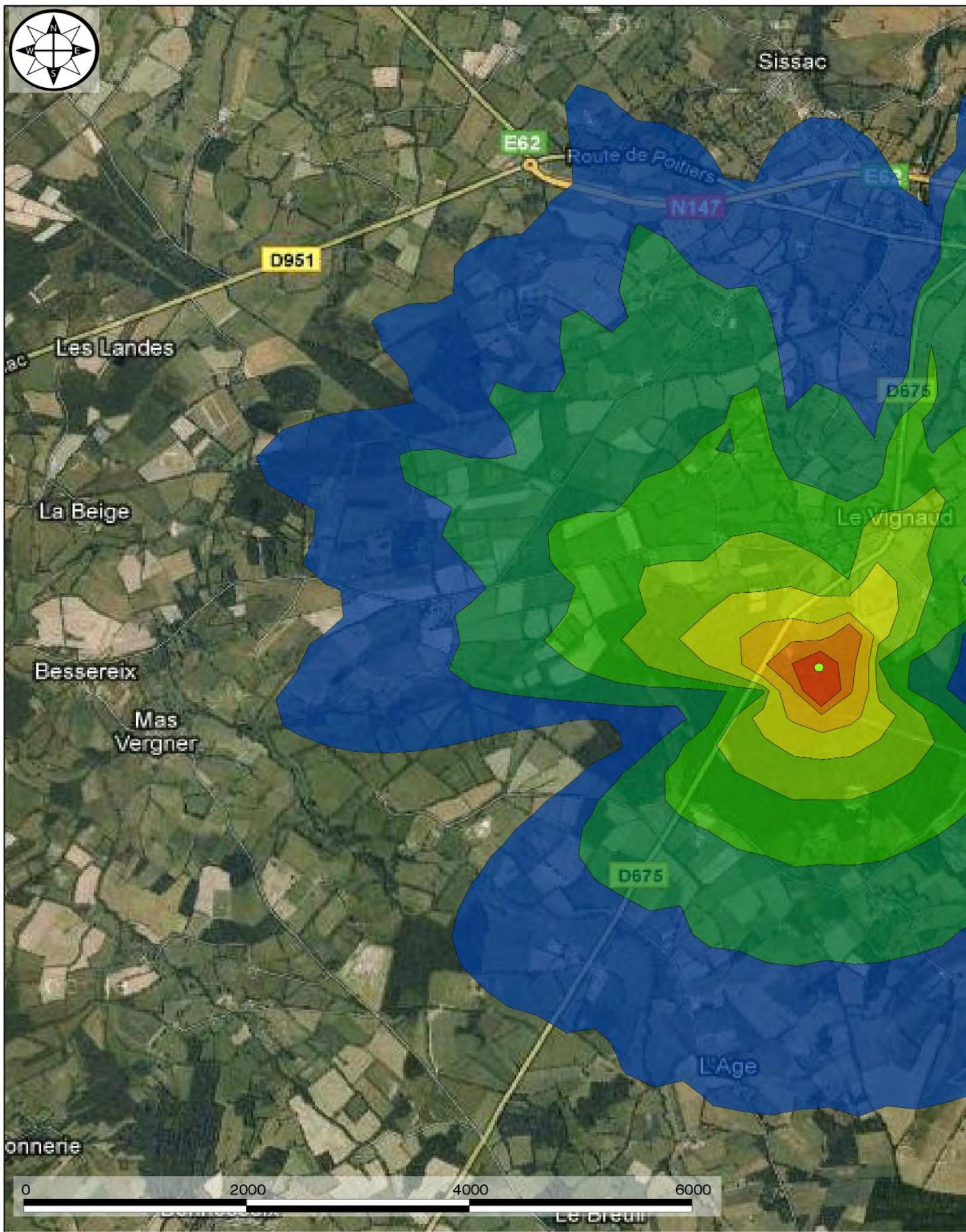
3.125 - 6.25

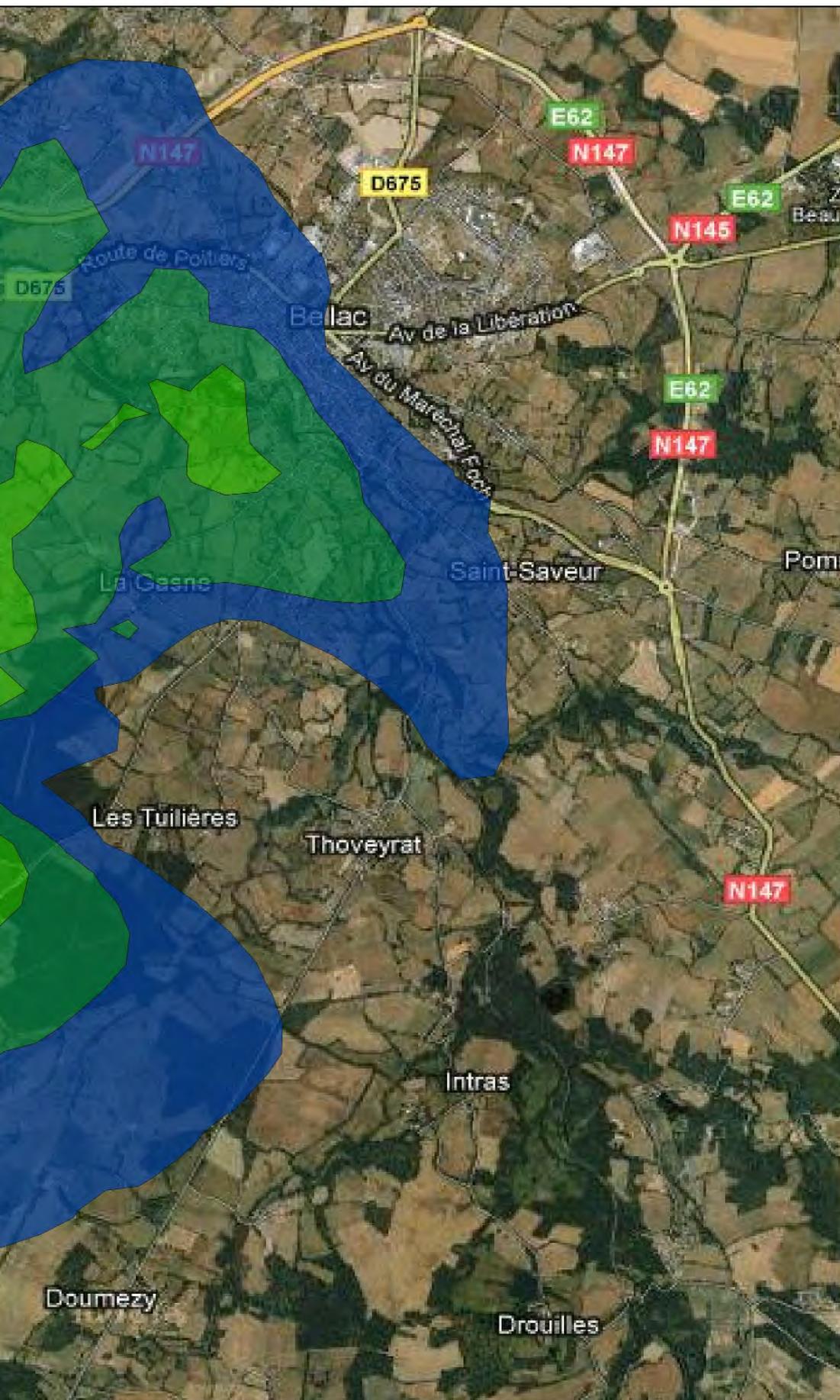
6.25 - 12.5

12.5 - 25.0

25.0 - 50.0

50.0 - 100.0





Légende

ALVEOL - SYDED87



Aire de stabilisation
% d'impact maximal

0.0 - 0.3906

0.3906 - 0.7812

0.7812 - 1.5625

1.5625 - 3.125

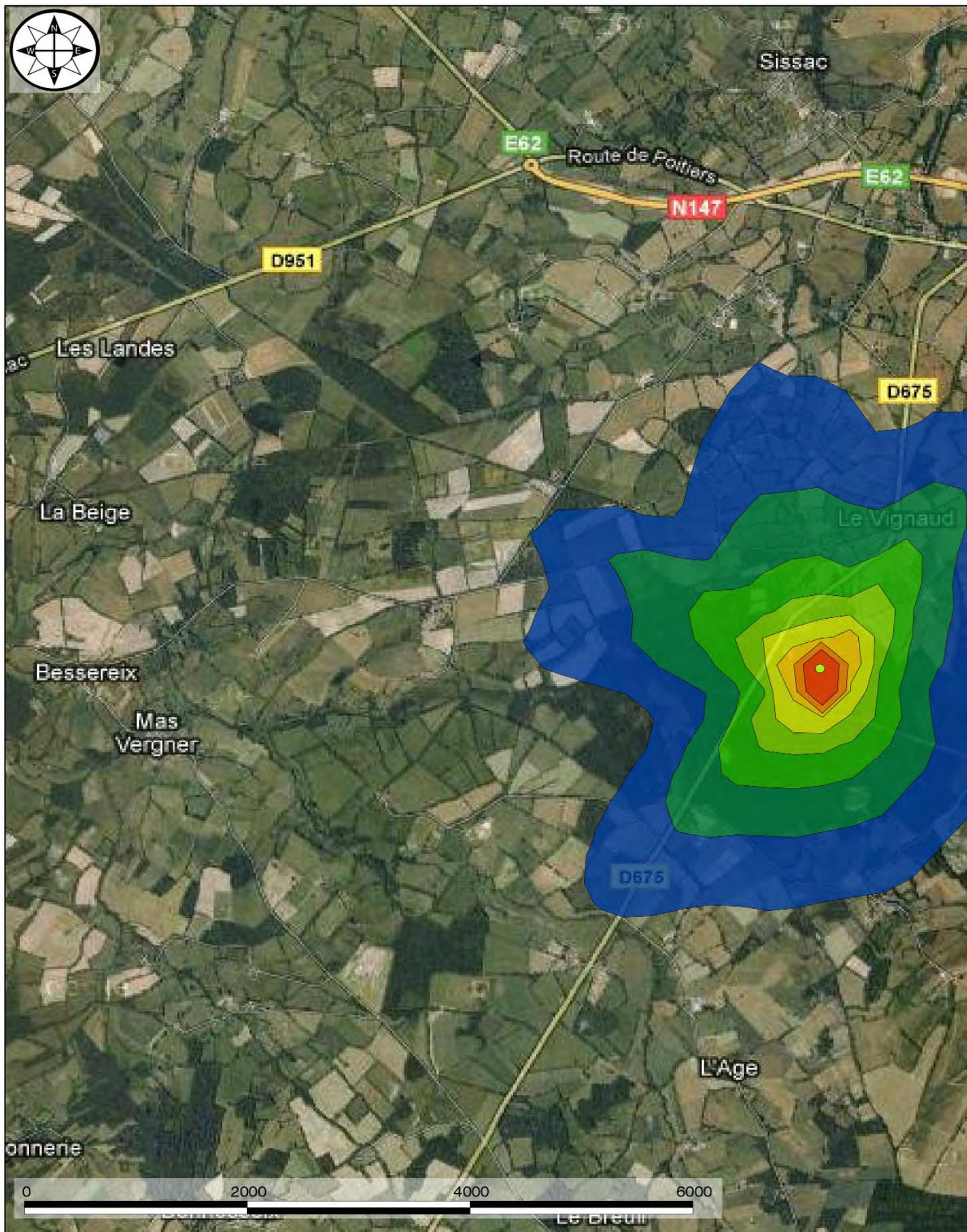
3.125 - 6.25

6.25 - 12.5

12.5 - 25.0

25.0 - 50.0

50.0 - 100.0





Légende

ALVEOL - SYDED87



Aire de stabilisation
% d'impact moyen

0.0 - 0.3906

0.3906 - 0.7812

0.7812 - 1.5625

1.5625 - 3.125

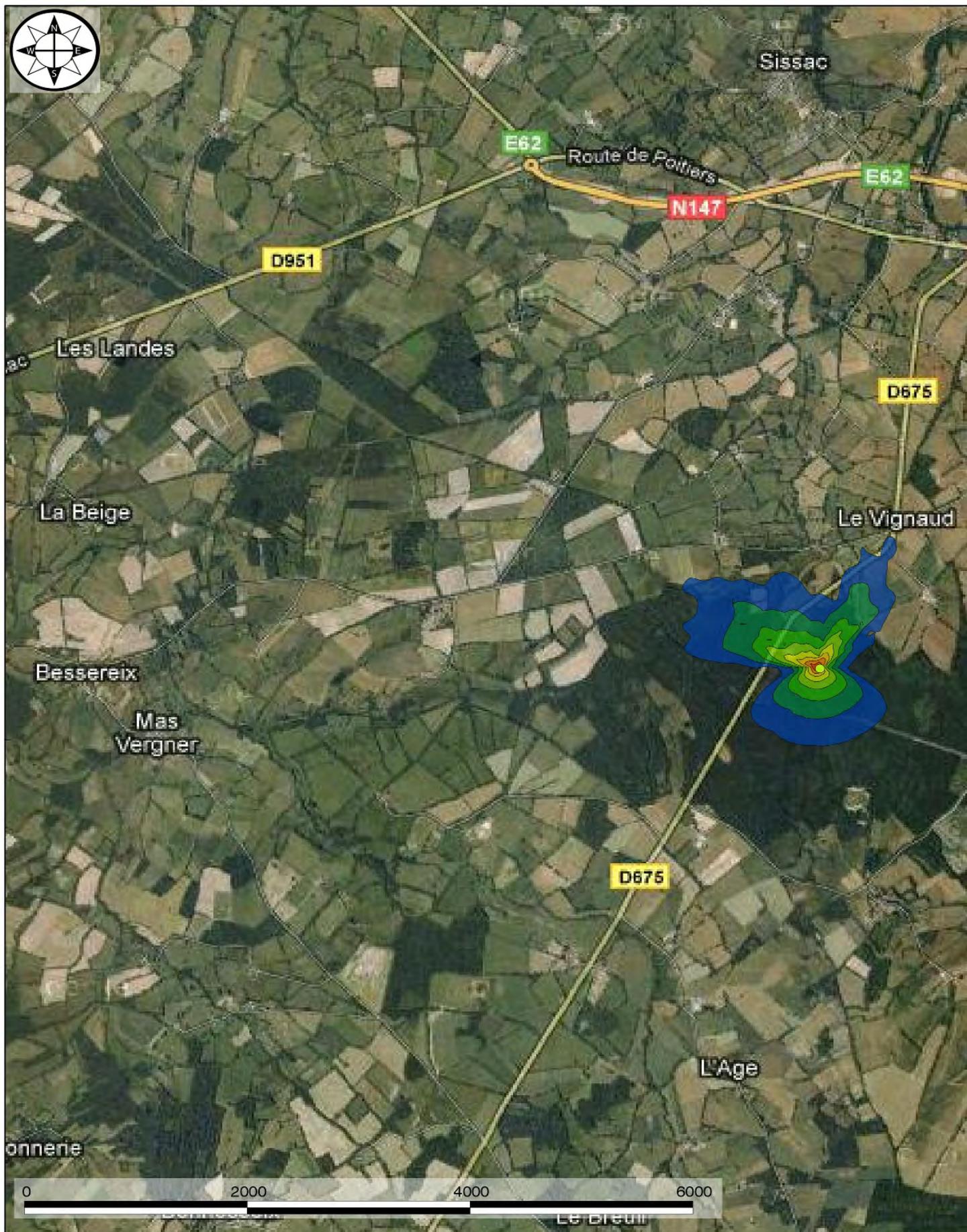
3.125 - 6.25

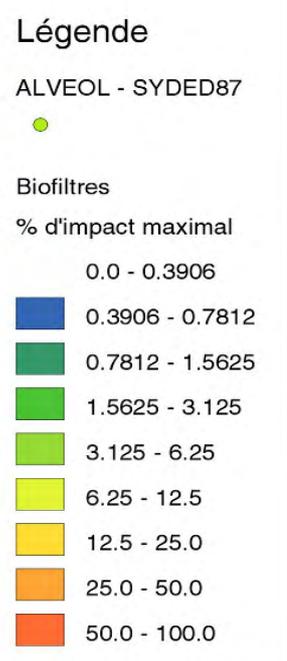
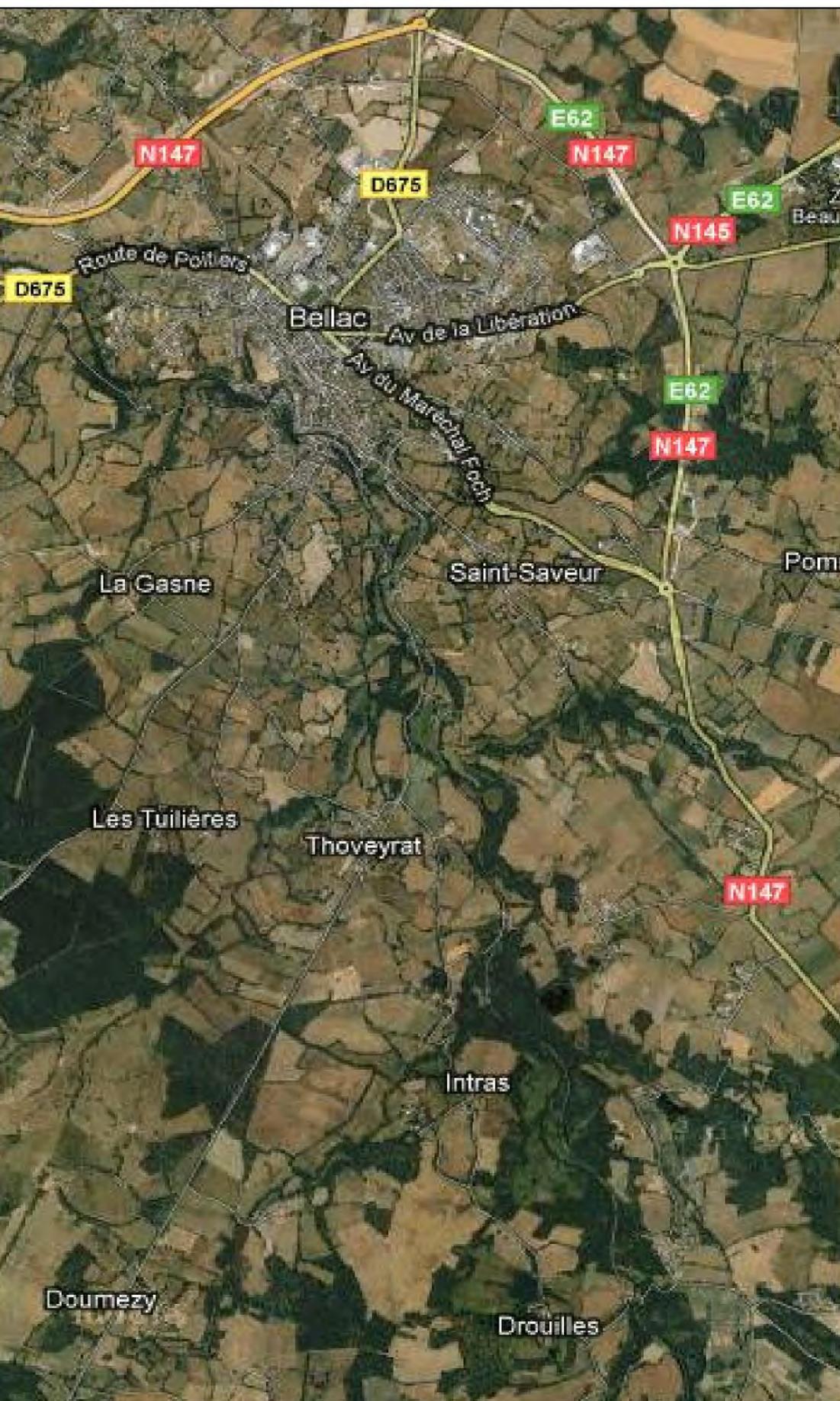
6.25 - 12.5

12.5 - 25.0

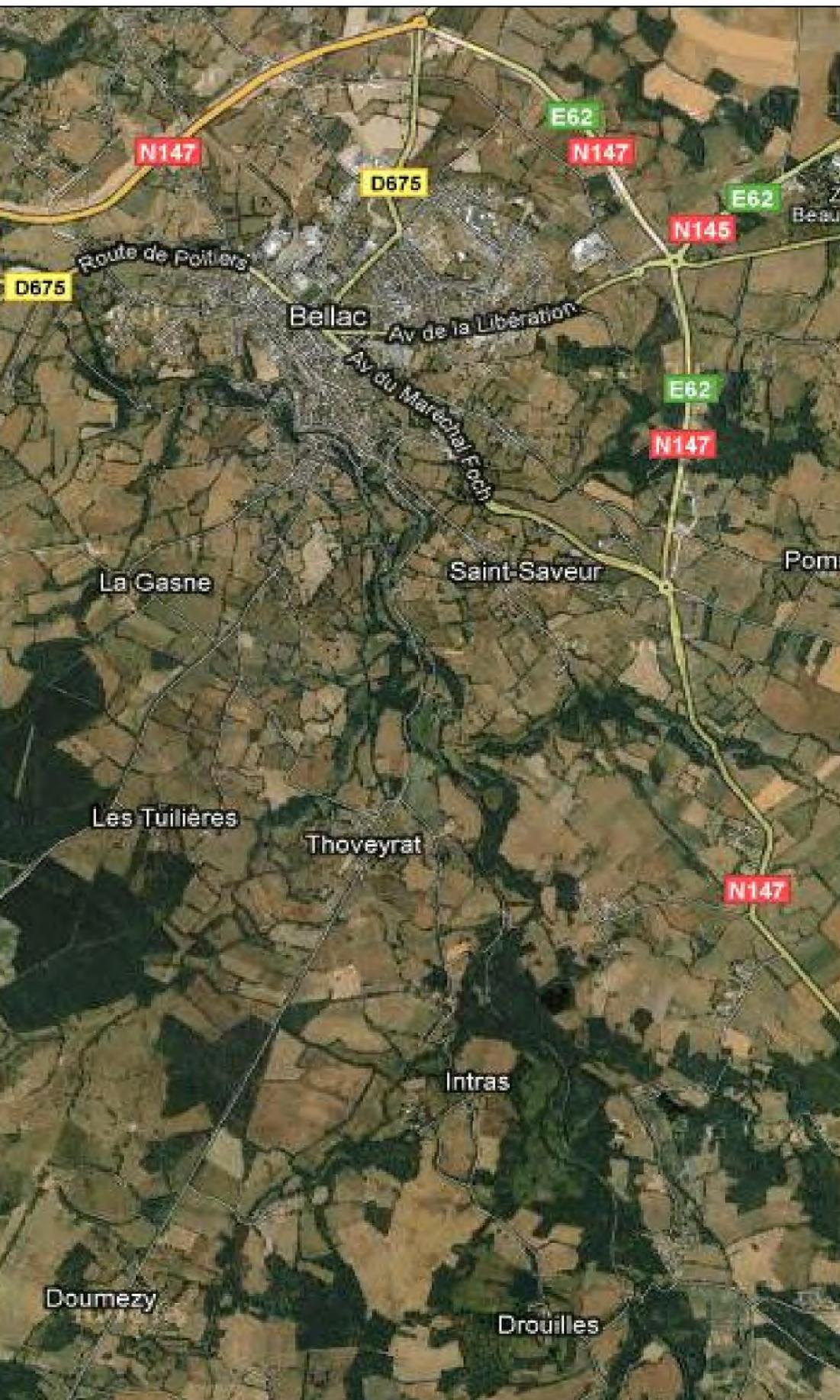
25.0 - 50.0

50.0 - 100.0









Légende

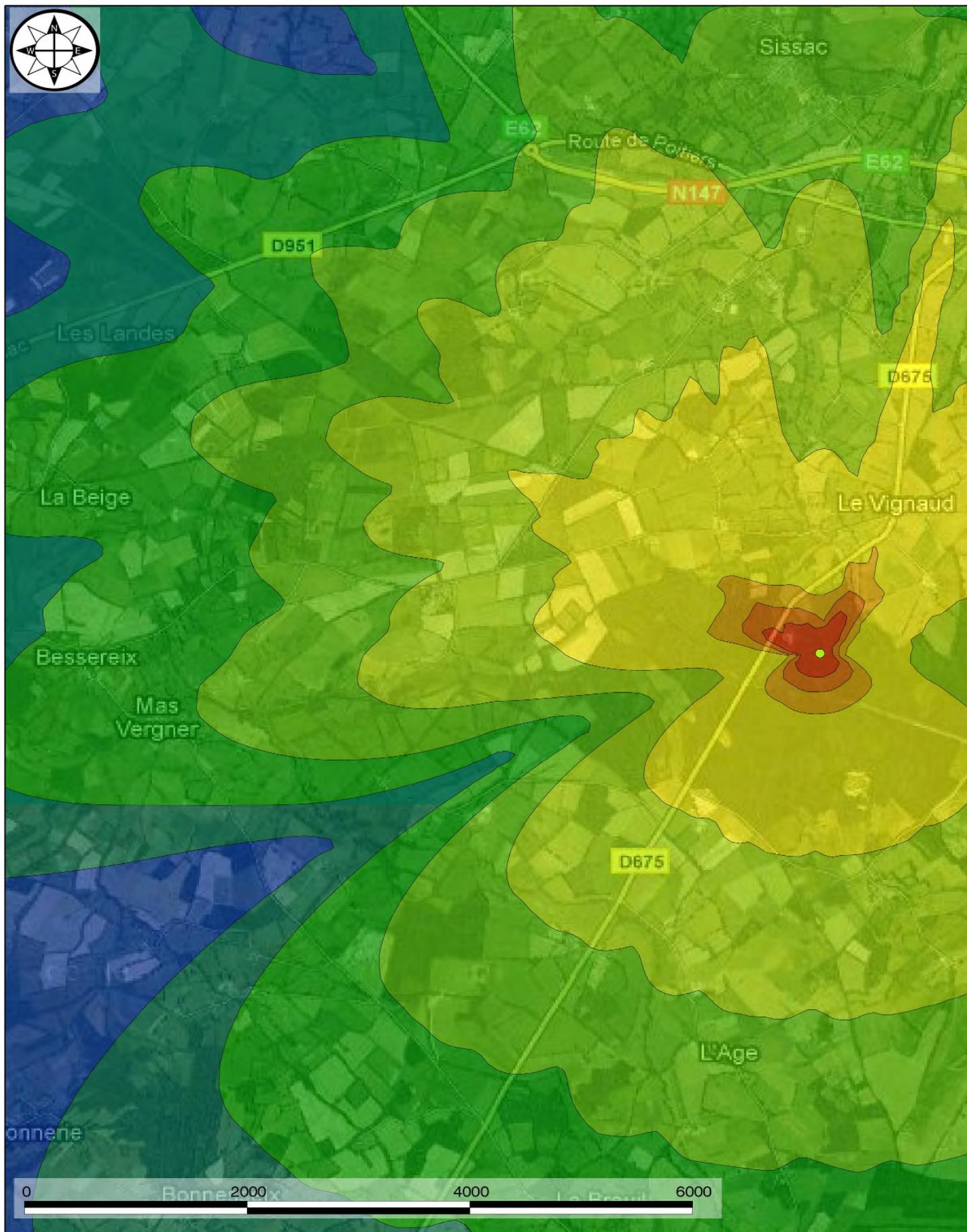
ALVEOL - SYDED87

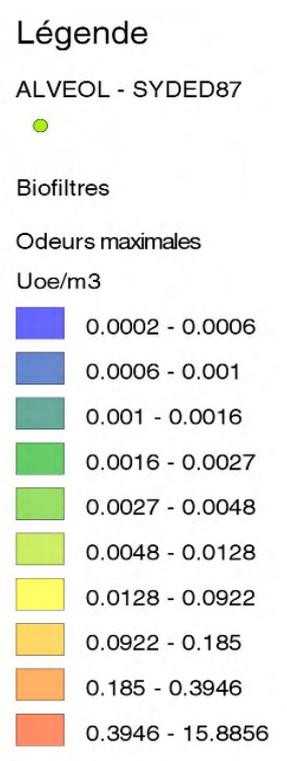
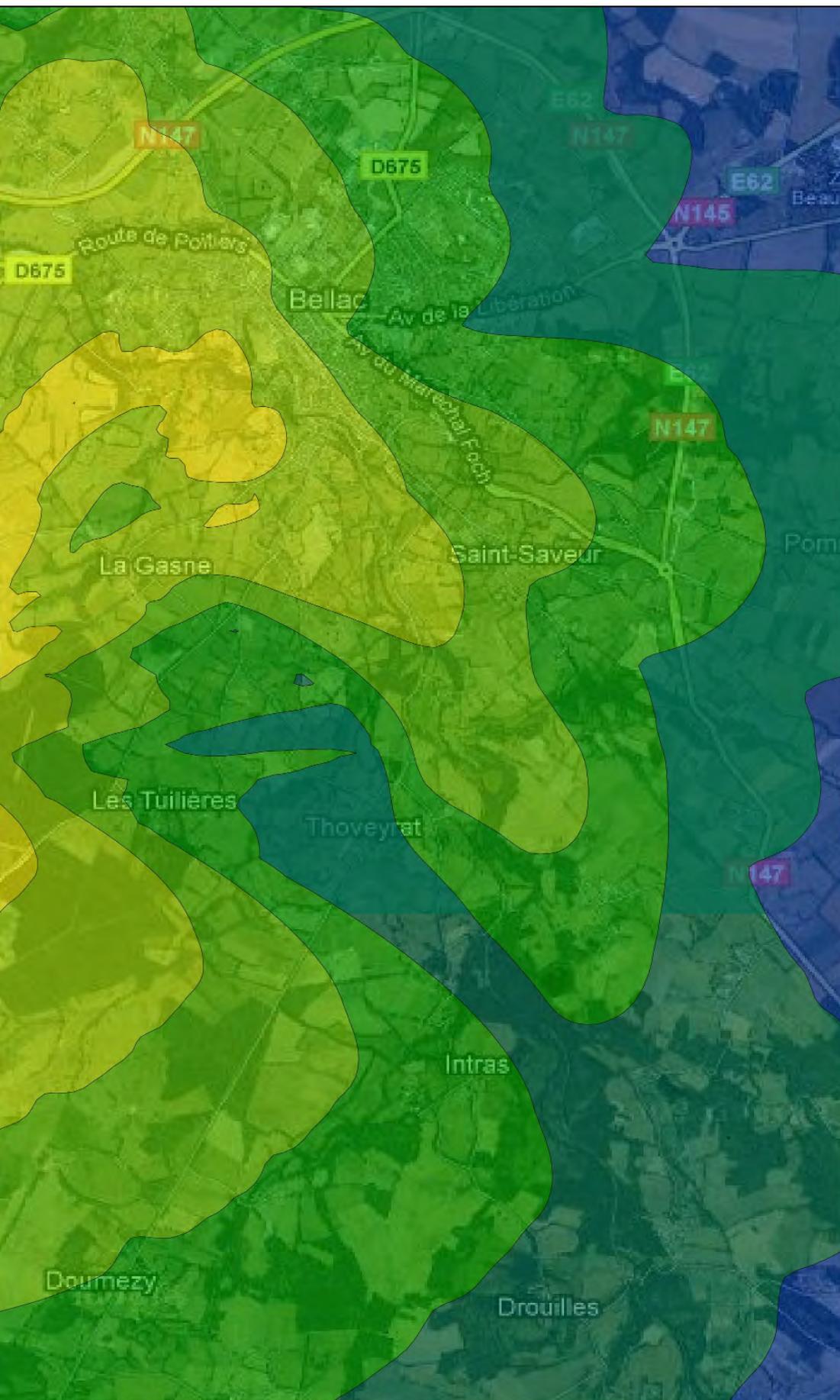


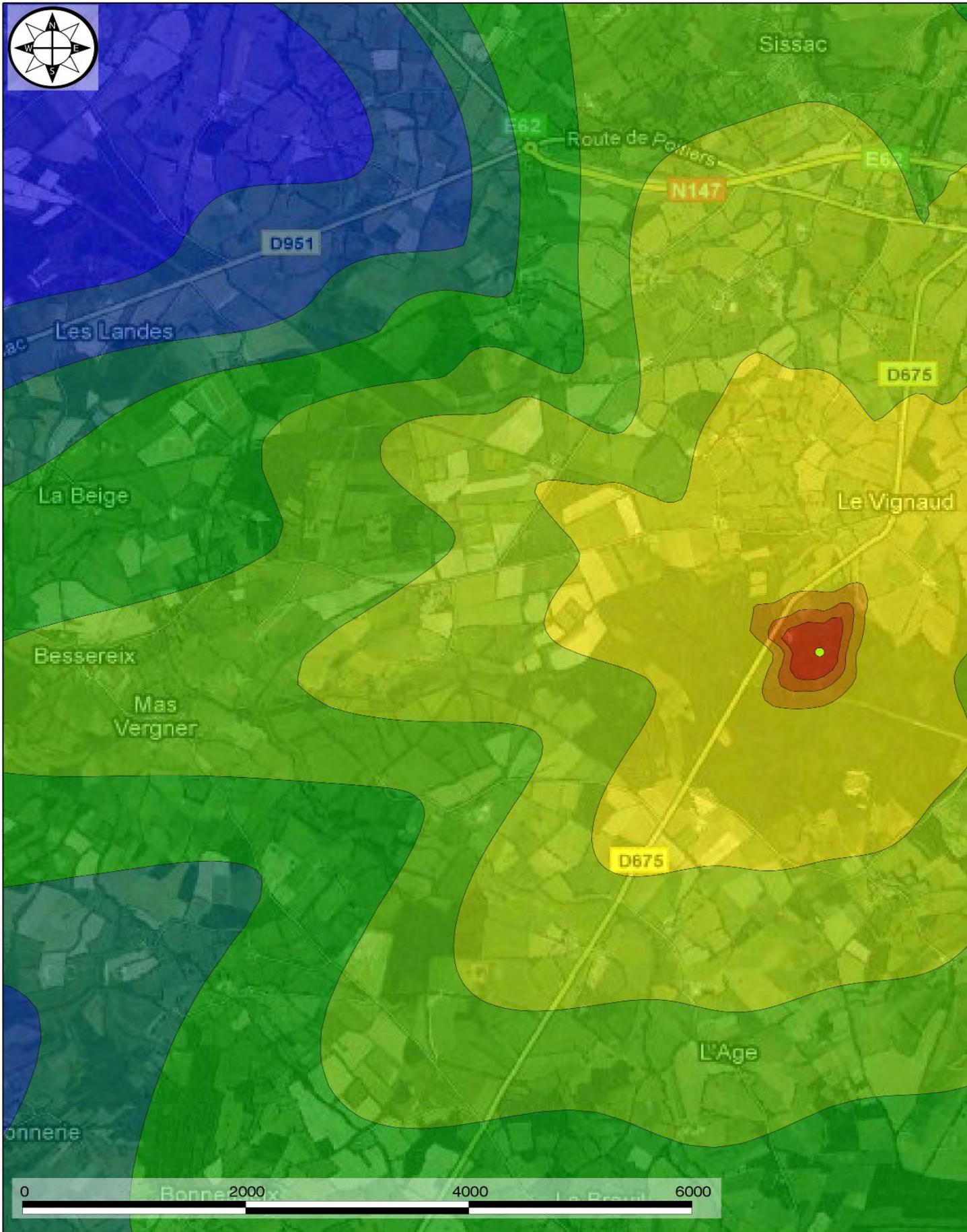
Biofiltres

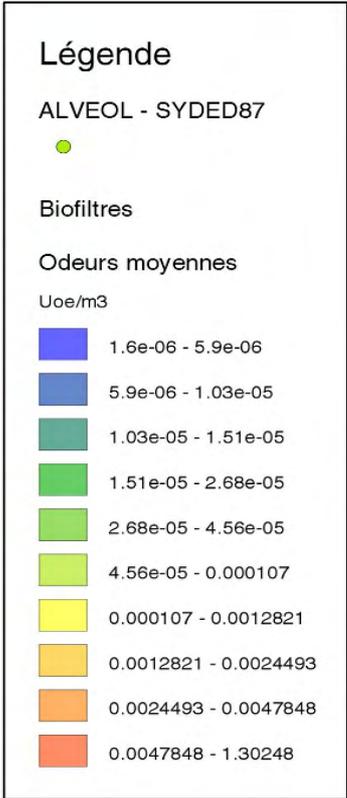
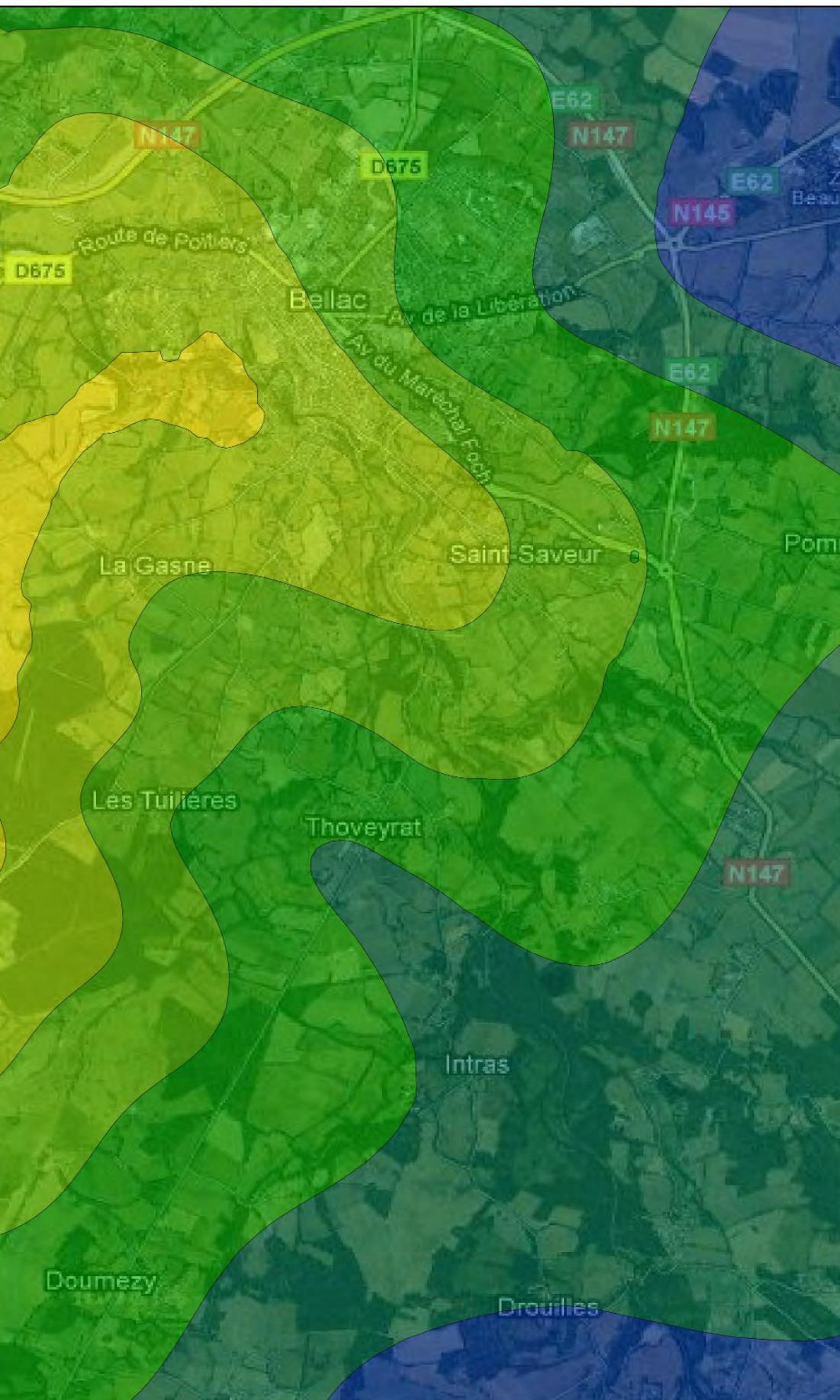
% d'impact moyen

- 0.0 - 0.3906
- 0.3906 - 0.7812
- 0.7812 - 1.5625
- 1.5625 - 3.125
- 3.125 - 6.25
- 6.25 - 12.5
- 12.5 - 25.0
- 25.0 - 50.0
- 50.0 - 100.0











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