



MINISTÈRE DES ARMÉES



DIRECTION DE LA SÉCURITÉ
AÉRONAUTIQUE D'ÉTAT

Direction de la circulation aérienne militaire

GT national éolien

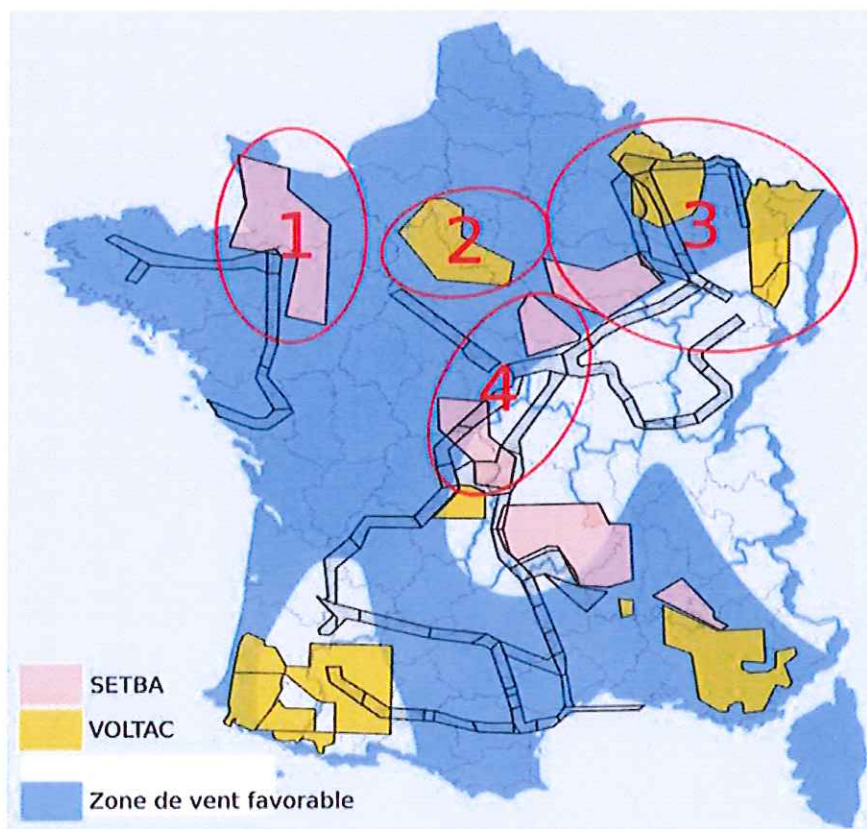
Ministère des armées

Réévaluation des zones propices au développement de l'éolien

29 janvier 2019

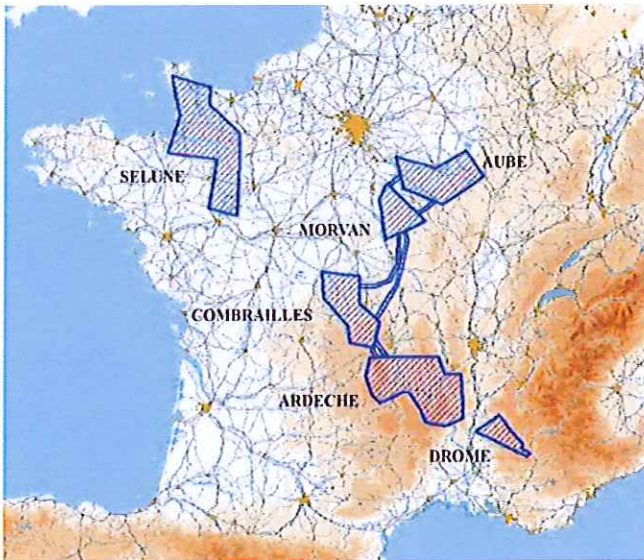
Proposition 4 du GT National éolien - 18 janvier 2018 - Réévaluation des zones propices au développement de l'éolien
« Enfin, le ministère de la Défense s'engage à un réexamen de 4 zones d'entraînement aérien particulièrement propices à l'éolien. »

4 zones propices au développement de l'éolien (MTES)



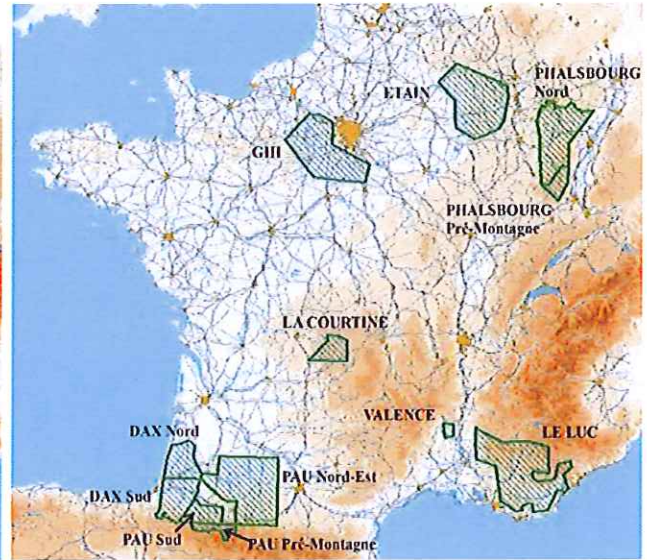
- 1: SETBA SELUNE
- 2: VOLTAC GIH
- 3: VOLTAC ETAIN
VOLTAC PHG
SETBA AUBE
- 4: SETBA MORVAN
SETBA COMBRAILLES

SETBA



Secteurs d'Entraînement Très Basse Altitude
Acti aérienne militaire (avions de chasse,...)
Evolutions < 500 ft

VOLTAC



Secteurs VOL TACTique
Hélicoptères de combat
De la surface à 500 ft sol

Travaux 2014 : -18 % RTBA et -11 % VOLTAC

MIL AIP France ENR 5.2

Optimisation des secteurs d'entraînement SETBA/VOLTAC

- Une étude itérative sur **tous** les secteurs SETBA / VOLTAC hors zones école (Dax / le Luc) ;
- Un travail mené **par les unités navigantes** des armées ;
- Une analyse au regard des **schémas tactiques** d'entraînement et de **l'utilisation opérationnelle** de chaque secteur ;
- Une **prise en compte des zones de vent favorable** ;
- Une identification sous forme de polygones de parties :
 - non utilisées des zones d'entraînement ;
 - posant déjà des difficultés pour les forces.

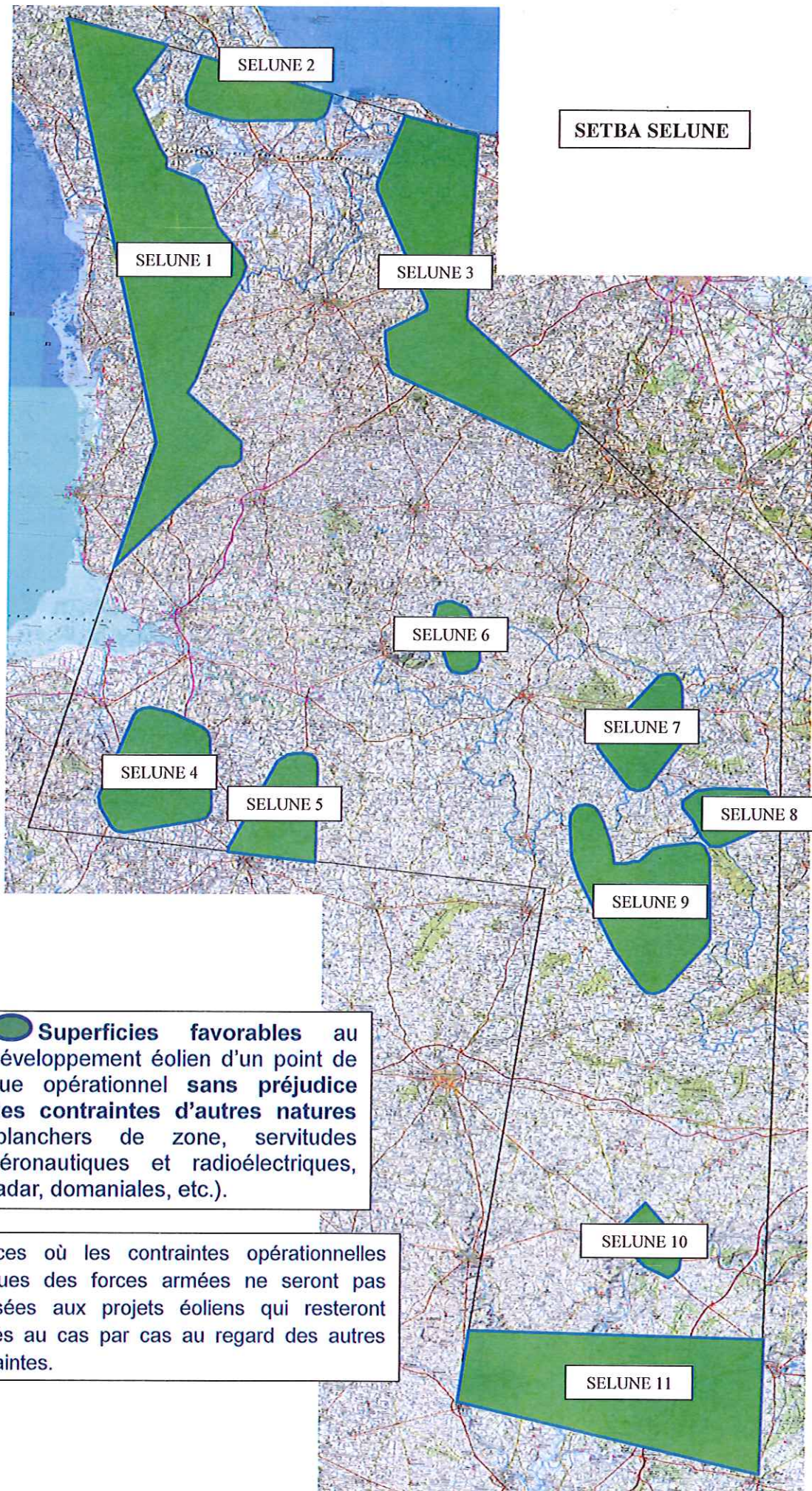
Délivrables

- Des cartes avec des secteurs identifiés :
 - considérés **favorables** au développement éolien d'un point de vue opérationnel ;
 - **sans préjudice des contraintes d'autres natures** (planchers de zone, servitudes aéronautiques et radioélectriques, radar, domaniales, etc.) ;
 - disponibles **sur le site de la DSAE/DIRCAM**.

Bilan

- **13,3%** des superficies SETBA et VOLTAC considérées favorables au développement éolien d'un point de vue opérationnel sans préjudice des contraintes d'autres natures :
 - SETBA : 13,4% > 5500 km²
 - VOLTAC : 13,2% > 3500 km²

> 9000 km²
- Un diptyque « libérer – protéger » poussé au bout de l'optimisation



SELUNE 1

N 49°28'59.2" – W 001°40'00.0"
 N 49°27'10.1" – W 001°27'47.4"
 N 49°23'19.2" – W 001°31'23.4"
 N 49°17'22.8" – W 001°26'26.3"
 N 49°15'42.6" – W 001°21'48.8"
 N 49°12'52.8" – W 001°20'31.4"
 N 49°09'59.8" – W 001°16'18.0"
 N 49°09'08.7" – W 001°16'14.5"
 N 49°05'12.9" – W 001°19'08.3"
 N 49°00'23.4" – W 001°21'35.2"
 N 48°58'58.5" – W 001°22'39.0"
 N 48°55'28.9" – W 001°16'08.4"
 N 48°54'35.8" – W 001°15'25.4"
 N 48°53'36.1" – W 001°15'51.7"
 N 48°52'58.7" – W 001°18'14.5"
 N 48°49'18.8" – W 001°23'38.5"
 N 48°44'46.5" – W 001°30'11.4"
 N 48°55'00.9" – W 001°26'01.1"
 N 49°28'59.2" – W 001°40'00.0"

SELUNE 2

N 49°26'29.3" – W 001°23'18.3"
 N 49°23'53.7" – W 001°06'26.0"
 N 49°22'21.3" – W 001°07'05.4"
 N 49°21'44.0" – W 001°08'04.3"
 N 49°21'21.8" – W 001°19'04.0"
 N 49°22'06.1" – W 001°23'51.7"
 N 49°22'34.6" – W 001°24'53.3"
 N 49°23'15.4" – W 001°24'52.3"
 N 49°26'29.3" – W 001°23'18.3"

SELUNE 3

N 49°22'25.2" – W 000°57'03.8"
 N 49°21'00.0" – W 000°48'00.3"
 N 49°06'00.1" – W 000°47'58.8"
 N 48°57'53.3" – W 000°33'23.6"
 N 48°56'13.7" – W 000°34'41.5"
 N 48°55'57.1" – W 000°36'14.0"
 N 49°01'21.7" – W 000°56'49.4"
 N 49°02'01.4" – W 000°57'53.9"
 N 49°04'37.2" – W 000°58'03.9"
 N 49°05'10.4" – W 000°57'08.9"
 N 49°06'44.3" – W 000°53'12.2"
 N 49°07'18.0" – W 000°53'08.4"
 N 49°16'22.7" – W 001°00'09.4"
 N 49°17'11.8" – W 001°00'12.6"
 N 49°22'25.2" – W 000°57'03.8"

SELUNE 4

N 48°33'21.7" – W 001°25'26.2"
 N 48°33'01.3" – W 001°22'04.6"
 N 48°31'46.9" – W 001°18'01.3"
 N 48°30'57.0" – W 001°17'23.5"
 N 48°25'38.2" – W 001°16'41.9"

N 48°24'40.8" – W 001°17'06.4"
 N 48°24'20.7" – W 001°18'29.9"
 N 48°23'05.5" – W 001°27'36.3"
 N 48°23'18.5" – W 001°28'48.3"
 N 48°25'15.9" – W 001°30'35.2"
 N 48°26'06.2" – W 001°30'38.1"
 N 48°32'48.9" – W 001°26'45.1"
 N 48°33'21.7" – W 001°25'26.2"

SELUNE 5

N 48°30'17.6" – W 001°05'52.7"
 N 48°30'06.4" – W 001°04'29.6"
 N 48°29'16.5" – W 001°03'48.3"
 N 48°28'05.1" – W 001°03'47.6"
 N 48°21'25.2" – W 001°03'43.2"
 N 48°21'55.4" – W 001°14'32.6"
 N 48°29'24.1" – W 001°09'00.3"
 N 48°30'04.2" – W 001°07'34.7"
 N 48°30'17.6" – W 001°05'52.7"

SELUNE 6

N 48°43'10.7" – W 000°48'17.5"
 N 48°42'44.8" – W 000°46'48.8"
 N 48°42'12.5" – W 000°45'58.5"
 N 48°40'27.1" – W 000°44'49.6"
 N 48°39'00.4" – W 000°44'22.0"
 N 48°38'24.2" – W 000°44'18.4"
 N 48°37'37.7" – W 000°45'15.2"
 N 48°37'18.5" – W 000°46'32.7"
 N 48°37'26.1" – W 000°47'42.1"
 N 48°37'48.3" – W 000°48'23.9"
 N 48°38'34.2" – W 000°48'38.9"
 N 48°41'10.9" – W 000°50'16.0"
 N 48°42'09.5" – W 000°50'29.8"
 N 48°43'02.4" – W 000°49'50.5"
 N 48°43'10.7" – W 000°48'17.5"

SELUNE 7

N 48°37'59.3" – W 000°20'27.8"
 N 48°37'09.3" – W 000°19'11.3"
 N 48°32'28.3" – W 000°18'57.8"
 N 48°28'37.9" – W 000°22'52.4"
 N 48°28'25.4" – W 000°24'29.1"
 N 48°28'57.7" – W 000°25'55.7"
 N 48°31'44.5" – W 000°29'16.2"
 N 48°32'13.9" – W 000°29'16.2"
 N 48°37'50.4" – W 000°22'07.1"
 N 48°37'59.3" – W 000°20'27.8"

SELUNE 8

N 48°28'49.0" – W 000°14'26.4"
 N 48°28'47.6" – W 000°08'22.4"
 N 48°28'35.2" – W 000°07'54.3"
 N 48°27'21.2" – W 000°07'08.0"
 N 48°26'32.3" – W 000°07'11.5"
 N 48°25'58.9" – W 000°08'00.2"

N 48°24'09.2" – W 000°13'35.5"
 N 48°24'05.6" – W 000°14'28.2"
 N 48°24'19.9" – W 000°15'15.2"
 N 48°24'47.5" – W 000°15'55.4"
 N 48°27'06.8" – W 000°18'26.5"
 N 48°27'34.0" – W 000°18'21.9"
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SELUNE 9

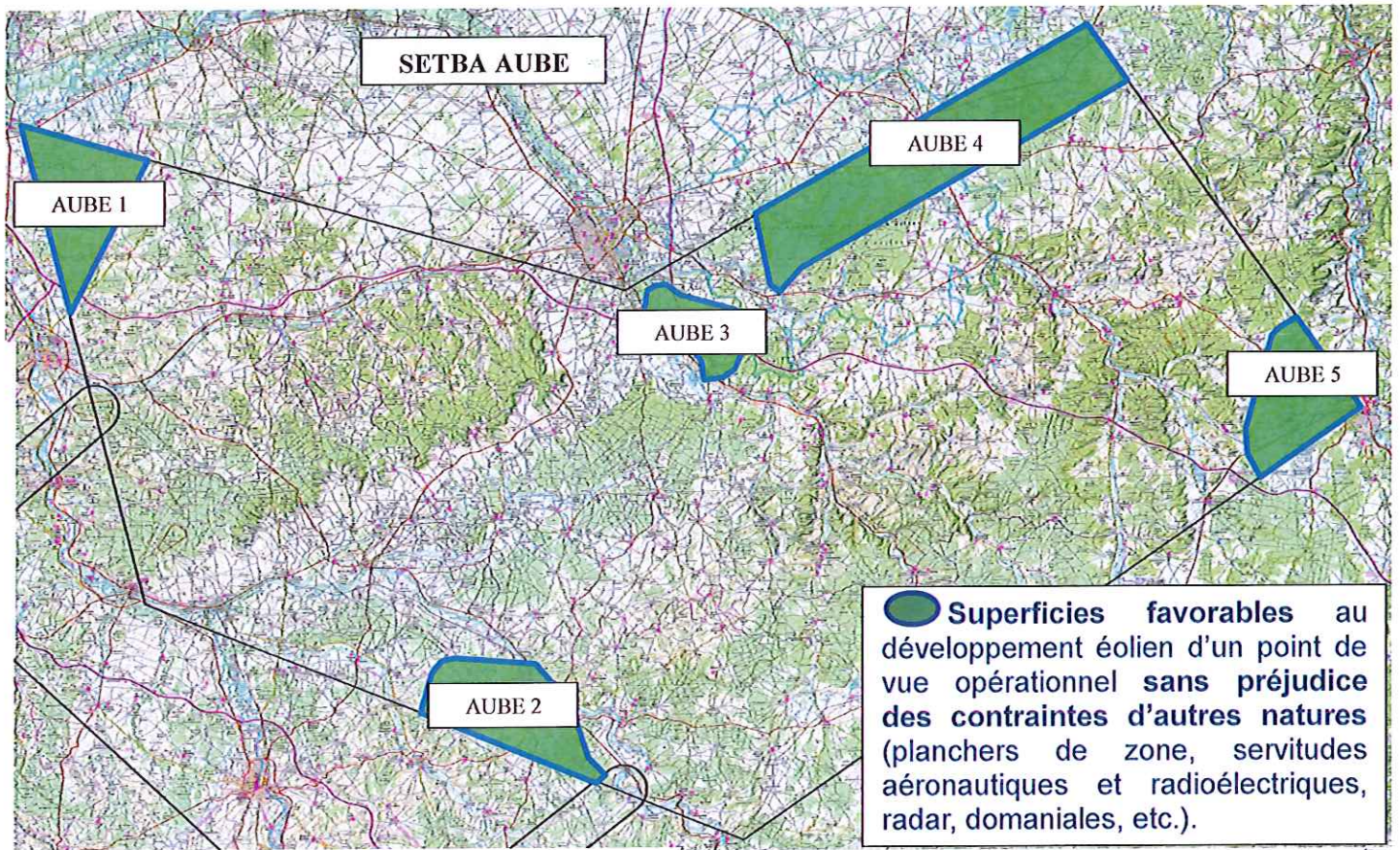
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 N 48°23'31.9" – W 000°15'09.7"
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 N 48°26'10.8" – W 000°32'16.5"
 N 48°26'50.5" – W 000°31'36.1"
 N 48°27'07.6" – W 000°30'40.9"

SELUNE 10

N 47°54'45.3" – W 000°21'05.0"
 N 47°52'17.6" – W 000°17'38.4"
 N 47°52'11.5" – W 000°16'27.9"
 N 47°49'29.3" – W 000°16'48.8"
 N 47°48'53.1" – W 000°17'34.8"
 N 47°49'00.4" – W 000°20'18.5"
 N 47°52'33.4" – W 000°24'10.3"
 N 47°54'45.3" – W 000°21'05.0"

SELUNE 11

N 47°43'54.8" – W 000°41'53.3"
 N 47°44'06.3" – W 000°05'59.9"
 N 47°33'00.2" – W 000°05'59.9"
 N 47°37'59.9" – W 000°43'00.1"
 N 47°43'54.8" – W 000°41'53.3"



Espaces où les contraintes opérationnelles tactiques des forces armées ne seront pas opposées aux projets éoliens qui resteront étudiés au cas par cas au regard des autres contraintes.

AUBE 1

N 48°24'59.9" – E 003°14'59.9"
 N 48°22'55.8" – E 003°25'44.5"
 N 48°14'28.1" – E 003°18'55.4"
 N 48°24'59.9" – E 003°14'59.9"

AUBE 2

N 47°54'39.8" – E 003°51'03.7"
 N 47°54'11.9" – E 003°57'27.4"
 N 47°54'04.3" – E 003°57'48.3"
 N 47°53'10.6" – E 003°58'38.9"
 N 47°53'07.3" – E 003°59'17.6"
 N 47°52'58.3" – E 003°59'49.3"
 N 47°52'46.1" – E 004°00'16.6"
 N 47°48'41.5" – E 004°02'24.2"
 N 47°47'53.9" – E 004°03'25.4"
 N 47°47'30.4" – E 004°02'38.0"
 N 47°51'41.9" – E 003°47'43.2"
 N 47°53'37.6" – E 003°48'53.3"
 N 47°54'22.8" – E 003°49'41.5"
 N 47°54'36.3" – E 003°50'22.9"
 N 47°54'39.8" – E 003°51'03.7"

AUBE 3

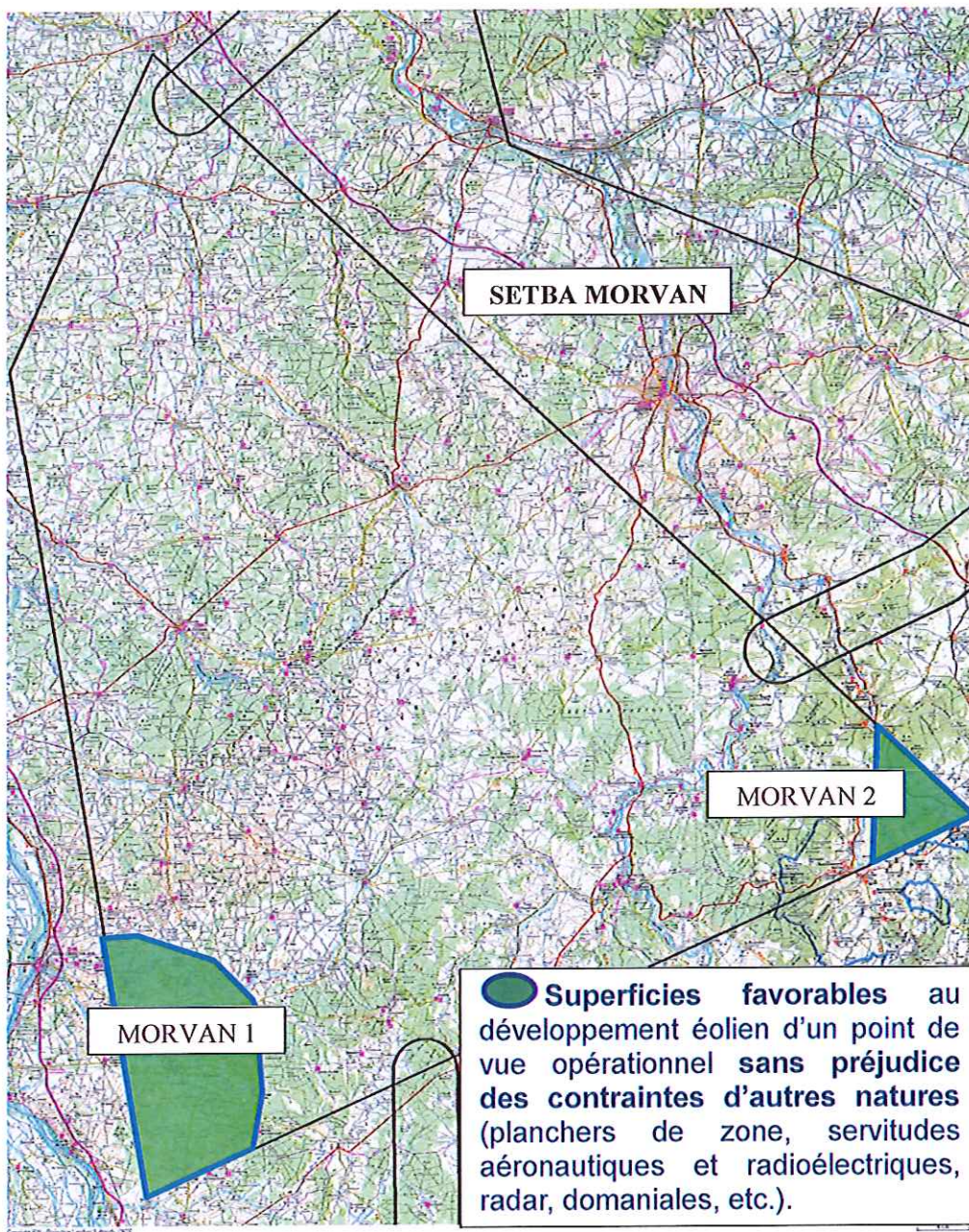
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 N 48°15'14.9" – E 004°09'13.6"
 N 48°15'05.2" – E 004°09'48.0"
 N 48°14'52.0" – E 004°10'10.9"
 N 48°13'50.5" – E 004°14'59.1"
 N 48°13'39.5" – E 004°15'37.7"
 N 48°13'12.8" – E 004°16'11.6"
 N 48°12'45.8" – E 004°16'20.2"
 N 48°12'17.4" – E 004°16'17.5"
 N 48°10'31.1" – E 004°15'09.6"
 N 48°10'05.9" – E 004°14'24.3"
 N 48°09'56.5" – E 004°13'34.0"
 N 48°10'02.5" – E 004°12'36.0"
 N 48°10'45.0" – E 004°12'39.7"
 N 48°11'45.9" – E 004°11'30.3"
 N 48°12'20.8" – E 004°07'23.0"
 N 48°12'33.8" – E 004°07'04.3"
 N 48°12'54.4" – E 004°07'05.1"
 N 48°14'50.3" – E 004°07'51.7"
 N 48°15'06.8" – E 004°08'07.5"
 N 48°15'16.8" – E 004°08'40.6"

AUBE 4

N 48°29'00.0" – E 004°46'00.0"
 N 48°25'54.3" – E 004°49'07.1"
 N 48°16'13.2" – E 004°21'30.1"
 N 48°14'32.1" – E 004°19'11.1"
 N 48°14'59.6" – E 004°18'26.0"
 N 48°18'55.3" – E 004°17'06.2"
 N 48°29'00.0" – E 004°46'00.0"

AUBE 5

N 48°12'05.7" – E 005°02'56.2"
 N 48°07'00.0" – E 005°08'00.0"
 N 48°03'17.7" – E 004°59'20.7"
 N 48°03'50.3" – E 004°58'51.5"
 N 48°04'08.9" – E 004°58'36.9"
 N 48°04'28.2" – E 004°58'25.6"
 N 48°04'47.4" – E 004°58'18.0"
 N 48°05'07.5" – E 004°58'13.1"
 N 48°05'29.3" – E 004°58'11.1"
 N 48°05'50.5" – E 004°58'12.7"
 N 48°06'11.5" – E 004°58'17.6"
 N 48°06'30.5" – E 004°58'25.9"
 N 48°11'16.0" – E 005°00'39.3"
 N 48°11'37.1" – E 005°01'15.0"
 N 48°12'05.7" – E 005°02'56.2"



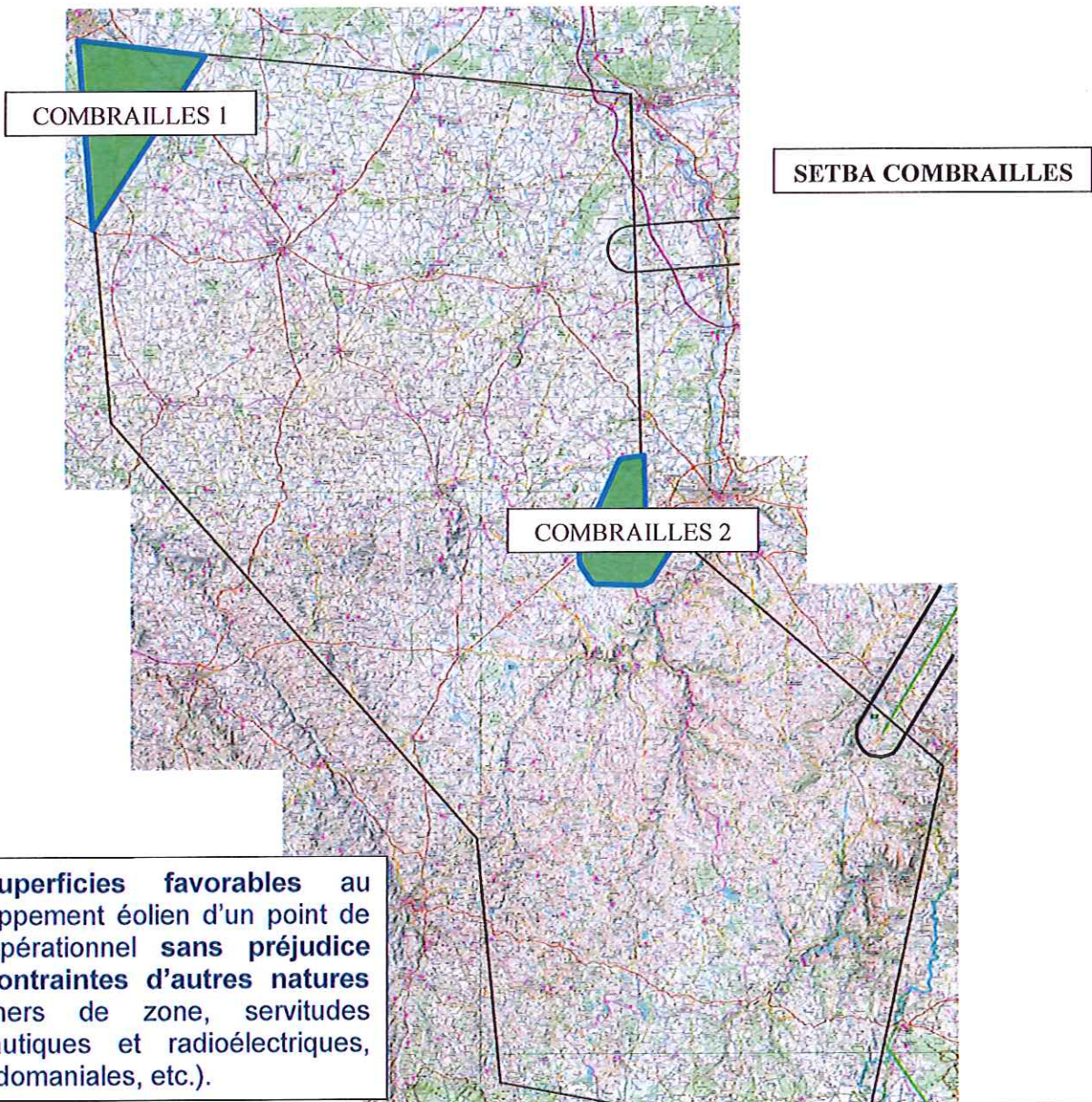
Espaces où les contraintes opérationnelles tactiques des forces armées ne seront pas opposées aux projets éoliens qui resteront étudiés au cas par cas au regard des autres contraintes.


MORVAN 1

N 47°25'52.9" – E 003°01'29.6"
 N 47°25'46.6" – E 003°02'05.7"
 N 47°24'55.4" – E 003°05'37.8"
 N 47°24'48.8" – E 003°05'57.6"
 N 47°24'35.9" – E 003°06'26.7"
 N 47°23'00.9" – E 003°08'36.9"
 N 47°22'51.3" – E 003°08'46.0"
 N 47°22'10.1" – E 003°08'42.5"
 N 47°19'22.4" – E 003°09'08.6"
 N 47°16'56.4" – E 003°08'29.6"
 N 47°14'59.9" – E 003°01'59.8"
 N 47°25'47.8" – E 002°59'28.7"
 N 47°25'52.9" – E 003°01'29.6"

MORVAN 2

N 47°33'50.4" – E 003°47'05.2"
 N 47°30'00.0" – E 003°53'00.0"
 N 47°28'12.2" – E 003°46'47.9"
 N 47°33'50.4" – E 003°47'05.2"



 **Superficies favorables** au développement éolien d'un point de vue opérationnel **sans préjudice des contraintes d'autres natures** (planchers de zone, servitudes aéronautiques et radioélectriques, radar, domaniales, etc.).

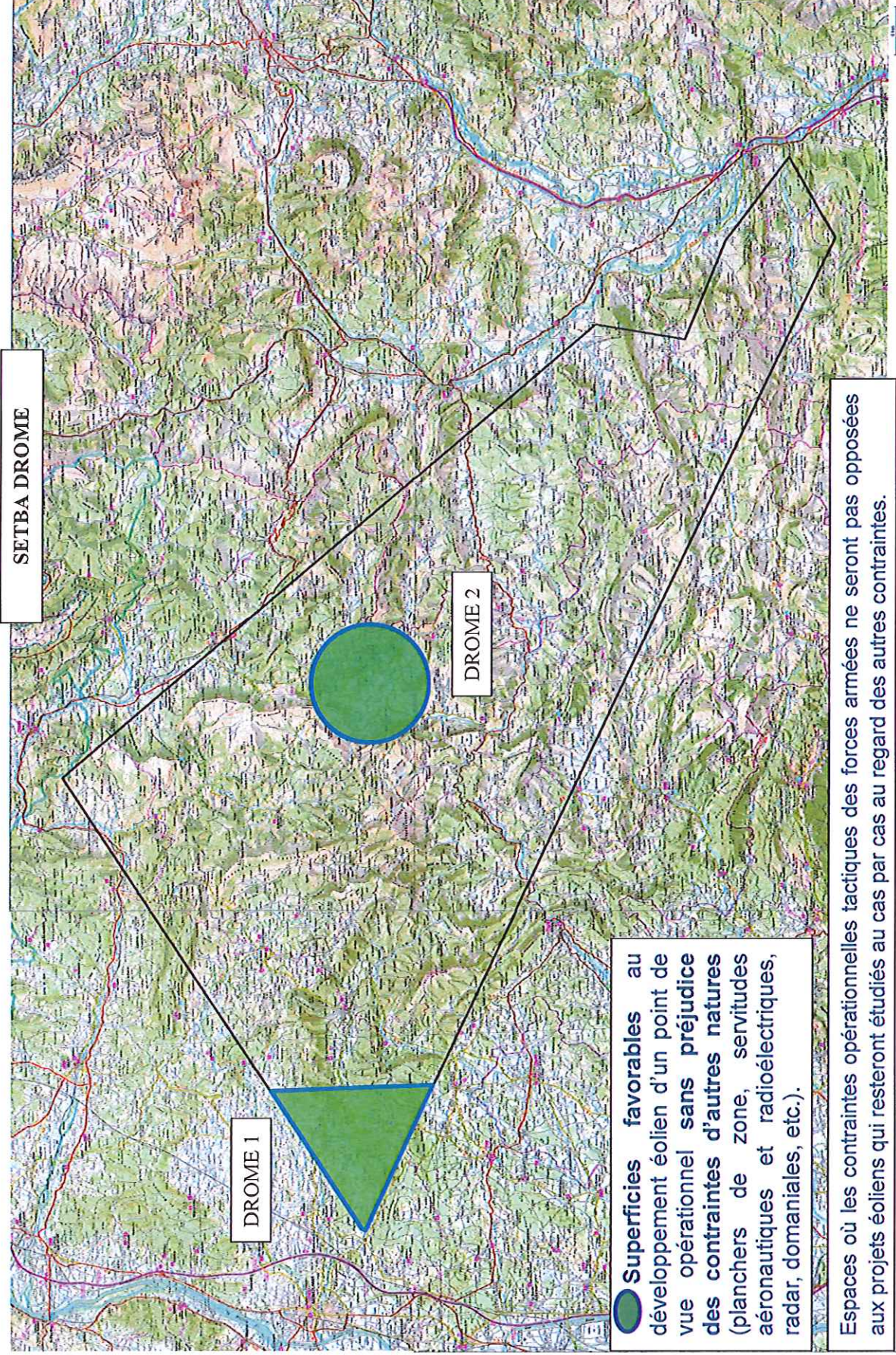
Espaces où les contraintes opérationnelles tactiques des forces armées ne seront pas opposées aux projets éoliens qui resteront étudiés au cas par cas au regard des autres contraintes.

COMBRAILLES 1

N 46°46'59.9" – E 001°42'00.0"
 N 46°46'22.0" – E 001°52'21.4"
 N 46°36'33.2" – E 001°43'25.6"
 N 46°46'59.9" – E 001°42'00.0"

COMBRAILLES 2

N 46°23'12.0" – E 002°29'52.0"
 N 46°20'00.0" – E 002°29'59.9"
 N 46°18'23.3" – E 002°32'42.2"
 N 46°16'11.9" – E 002°30'44.2"
 N 46°15'54.9" – E 002°30'09.2"
 N 46°15'47.6" – E 002°29'32.1"
 N 46°15'54.6" – E 002°25'35.4"
 N 46°16'46.0" – E 002°24'47.6"
 N 46°17'10.3" – E 002°24'31.3"
 N 46°17'34.6" – E 002°24'25.4"
 N 46°17'58.6" – E 002°24'34.5"
 N 46°22'54.5" – E 002°27'44.8"
 N 46°23'02.5" – E 002°27'58.9"
 N 46°23'05.5" – E 002°28'15.0"
 N 46°23'12.0" – E 002°29'52.0"



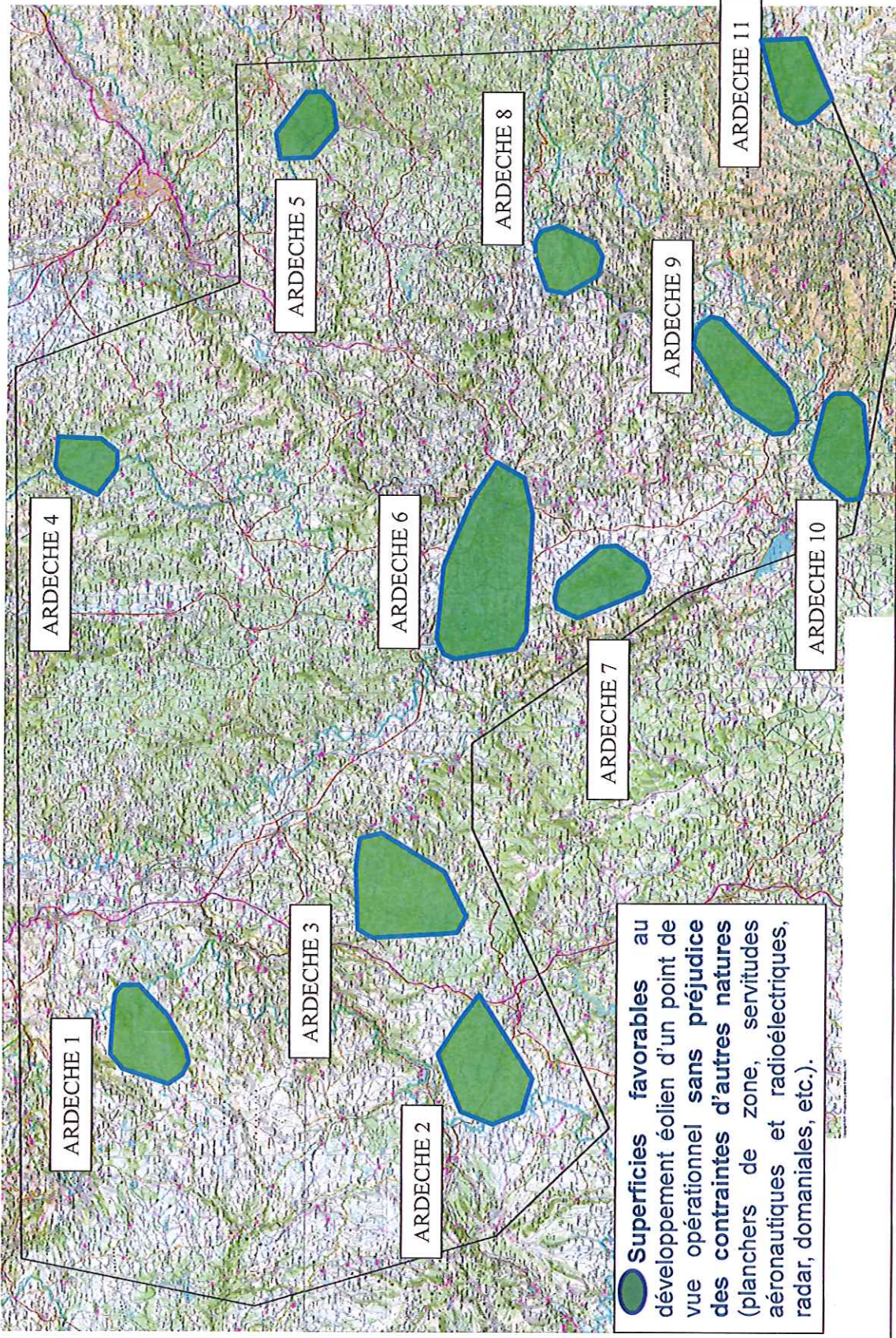
DROME 1

N 44°30'59.9"- E 004°50'03.7"
N 44°35'04.7"- E 004°59'04.0"
N 44°27'48.3"- E 004°58'39.4"

DROME 2

N 44°32'24.6"- E 005°23'28.2"
N 44°31'45.5"- E 005°21'40.1"
N 44°30'26.5"- E 005°20'27.9"
N 44°28'56.3"- E 005°20'30.3"
N 44°27'30.6"- E 005°21'48.1"
N 44°26'55.4"- E 005°23'51.9"
N 44°27'20.0"- E 005°26'09.9"
N 44°28'43.4"- E 005°27'50.4"
N 44°30'10.6"- E 005°28'00.7"
N 44°31'35.0"- E 005°27'06.5"
N 44°32'20.7"- E 005°25'23.9"

SETBA ARDECHE



Espaces où les contraintes opérationnelles tactiques des forces armées ne seront pas opposées aux projets éoliens qui resteront étudiés au cas par cas au regard des autres contraintes.

ARDECHE 1

N 45°28'56.4" - E 003°07'07.0"
 N 45°29'14.5" - E 003°02'08.0"
 N 45°28'26.4" - E 003°00'51.4"
 N 45°25'12.6" - E 002°59'21.7"
 N 45°24'10.9" - E 003°00'00.0"
 N 45°23'44.5" - E 003°01'10.9"
 N 45°23'52.2" - E 003°02'17.7"
 N 45°25'05.4" - E 003°05'38.7"
 N 45°27'07.2" - E 003°08'57.5"
 N 45°28'15.2" - E 003°08'40.8"
 N 45°28'44.6" - E 003°08'04.4"

ARDECHE 2

N 45°08'00.3" - E 003°01'38.7"
 N 45°04'48.9" - E 003°07'18.2"
 N 45°01'27.2" - E 002°59'47.9"
 N 45°02'20.0" - E 002°56'51.3"
 N 45°04'08.0" - E 002°55'30.2"
 N 45°06'23.7" - E 002°56'30.2"

ARDECHE 3

N 45°11'43.7" - E 003°12'41.0"
 N 45°06'11.9" - E 003°12'56.0"
 N 45°05'04.0" - E 003°14'04.4"
 N 45°06'09.1" - E 003°18'38.0"
 N 45°11'11.3" - E 003°22'33.2"
 N 45°12'26.7" - E 003°22'06.2"
 N 45°12'56.8" - E 003°19'10.8"
 N 45°12'50.6" - E 003°13'29.8"

ARDECHE 4

N 45°32'47.7" - E 003°57'43.6"
 N 45°32'19.6" - E 003°56'29.0"
 N 45°30'11.3" - E 003°55'00.0"
 N 45°28'48.7" - E 003°56'52.8"
 N 45°28'48.4" - E 003°59'06.3"
 N 45°29'42.7" - E 003°59'58.6"
 N 45°32'39.0" - E 004°00'13.1"

ARDECHE 5

N 45°15'30.0" - E 004°26'16.1"
 N 45°17'08.8" - E 004°26'15.3"
 N 45°17'19.1" - E 004°28'35.6"
 N 45°15'33.2" - E 004°31'51.1"
 N 45°14'27.9" - E 004°32'18.3"
 N 45°13'37.2" - E 004°31'21.3"
 N 45°13'15.9" - E 004°28'46.9"

ARDECHE 6

N 45°07'32.4" - E 003°40'42.5"
 N 45°07'14.9" - E 003°46'43.5"
 N 45°04'52.9" - E 003°54'03.3"
 N 45°03'04.8" - E 003°57'21.3"
 N 45°01'11.6" - E 003°55'17.0"
 N 45°00'40.7" - E 003°51'34.6"
 N 45°01'39.1" - E 003°41'05.0"
 N 45°02'37.9" - E 003°39'29.6"
 N 45°06'41.8" - E 003°38'56.1"
 N 45°07'18.5" - E 003°39'47.3"

ARDECHE 9

N 44°49'56.5" - E 004°07'28.8"
 N 44°47'26.2" - E 004°02'05.7"
 N 44°44'36.9" - E 003°59'30.6"
 N 44°43'45.1" - E 003°59'29.0"
 N 44°43'02.3" - E 004°00'10.9"
 N 44°42'53.2" - E 004°01'16.5"
 N 44°43'34.9" - E 004°03'31.8"
 N 44°48'02.2" - E 004°10'04.4"
 N 44°48'58.9" - E 004°10'04.0"
 N 44°49'48.5" - E 004°09'04.2"

ARDECHE 10

N 44°39'03.2" - E 003°53'08.7"
 N 44°40'20.5" - E 003°53'35.8"
 N 44°41'47.7" - E 003°55'45.4"
 N 44°41'52.1" - E 003°58'06.3"
 N 44°41'03.1" - E 004°02'12.2"
 N 44°40'09.7" - E 004°03'05.0"
 N 44°39'14.2" - E 004°02'38.4"
 N 44°38'39.6" - E 004°01'33.8"
 N 44°38'31.0" - E 003°56'43.3"

ARDECHE 11

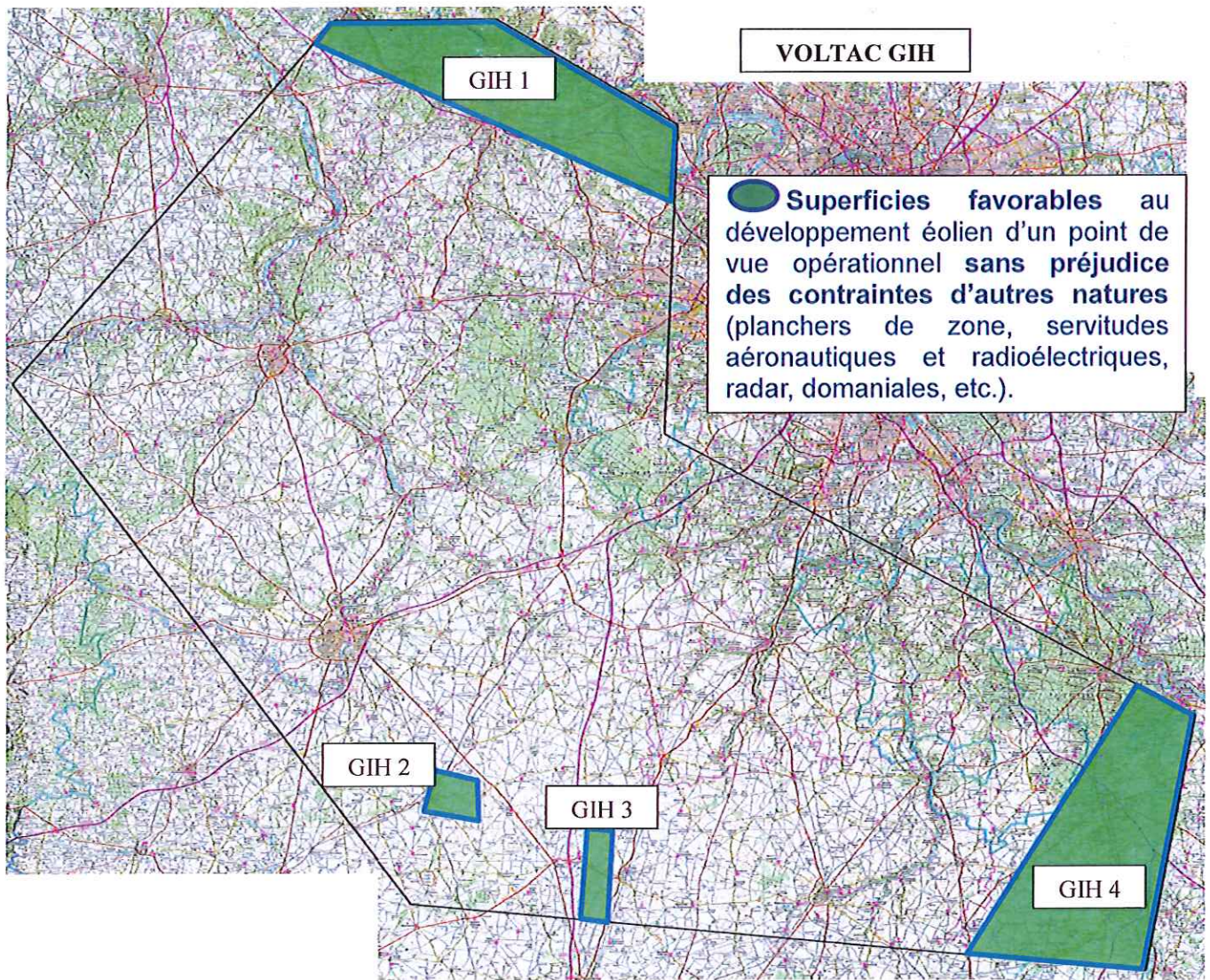
N 44°45'09.2" - E 004°36'01.2"
 N 44°43'43.8" - E 004°28'54.1"
 N 44°42'54.5" - E 004°28'06.8"
 N 44°42'05.8" - E 004°28'14.0"
 N 44°40'21.7" - E 004°29'59.0"
 N 44°42'02.9" - E 004°36'04.0"

ARDECHE 7

N 44°57'45.1" - E 003°42'08.7"
 N 44°59'08.5" - E 003°43'14.7"
 N 44°59'10.1" - E 003°45'22.5"
 N 44°55'54.6" - E 003°48'58.7"
 N 44°54'40.3" - E 003°48'43.0"
 N 44°52'48.6" - E 003°46'39.4"
 N 44°52'51.7" - E 003°44'45.6"

ARDECHE 8

N 45°00'14.1" - E 004°16'31.4"
 N 44°59'27.3" - E 004°13'18.1"
 N 44°57'57.3" - E 004°12'36.2"
 N 44°56'18.6" - E 004°14'01.9"
 N 44°55'45.0" - E 004°15'16.0"
 N 44°55'58.0" - E 004°16'43.0"
 N 44°58'34.7" - E 004°18'40.3"
 N 44°59'38.0" - E 004°18'31.1"
 N 45°00'13.1" - E 004°17'30.7"



Espaces où les contraintes opérationnelles tactiques des forces armées ne seront pas opposées aux projets éoliens qui resteront étudiés au cas par cas au regard des autres contraintes.

GIH 1

N 49°05'07.1" – E 001°27'23.0"
 N 49°05'18.9" – E 001°42'59.0"
 N 48°58'44.0" – E 002°00'42.9"
 N 48°53'59.4" – E 002°00'27.3"
 N 49°04'11.0" – E 001°26'08.9"
 N 49°05'07.1" – E 001°27'23.0"

GIH 2

N 48°18'08.6" – E 001°38'13.7"
 N 48°17'40.1" – E 001°42'08.6"
 N 48°15'00.7" – E 001°42'23.7"
 N 48°15'29.5" – E 001°37'33.2"
 N 48°18'08.6" – E 001°38'13.7"

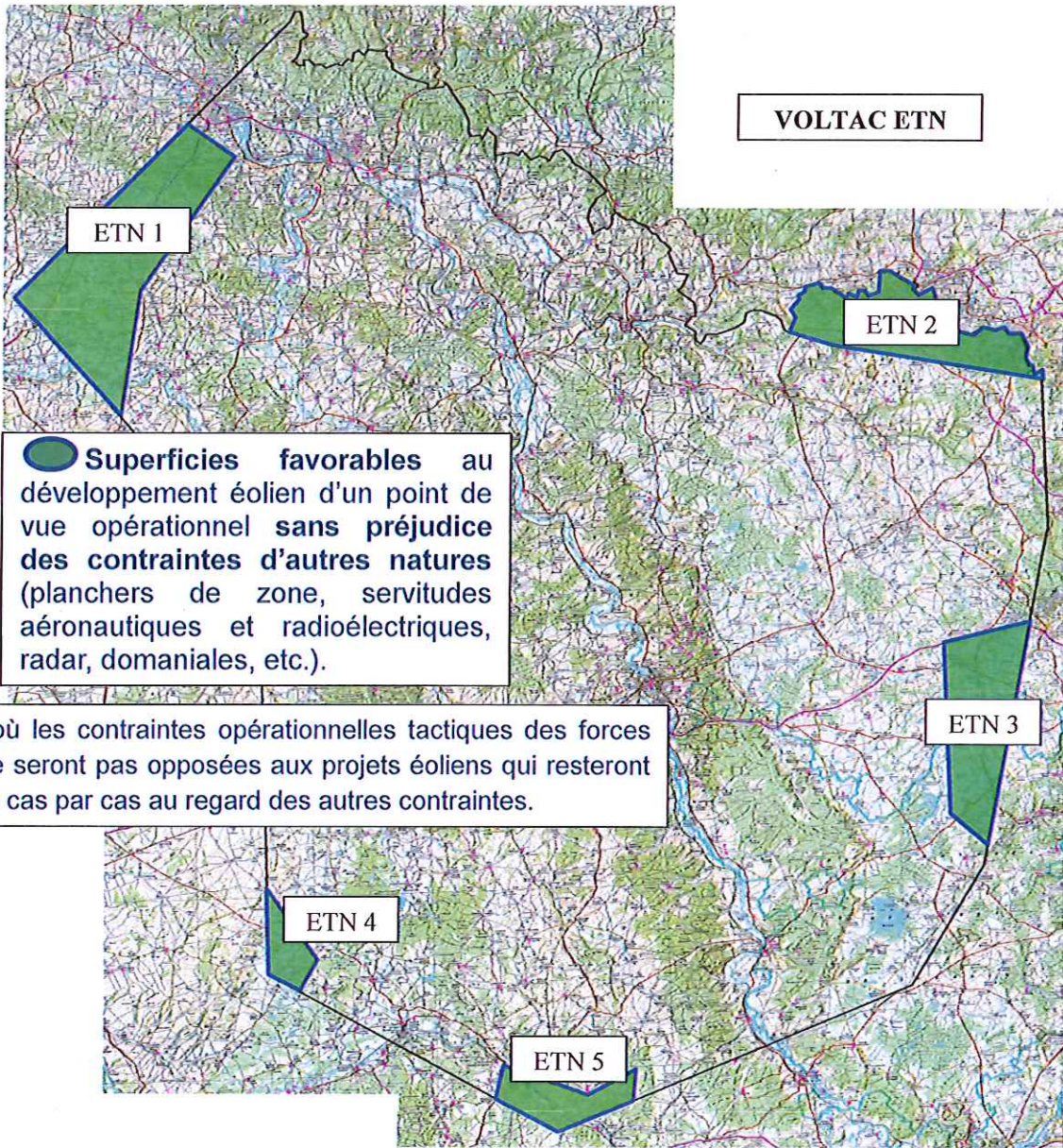
GIH 3

N 48°14'21.8" – E 001°52'53.6"
 N 48°14'18.9" – E 001°55'14.8"
 N 48°08'34.1" – E 001°54'59.0"
 N 48°08'42.8" – E 001°52'26.6"
 N 48°14'21.8" – E 001°52'53.6"

GIH 4

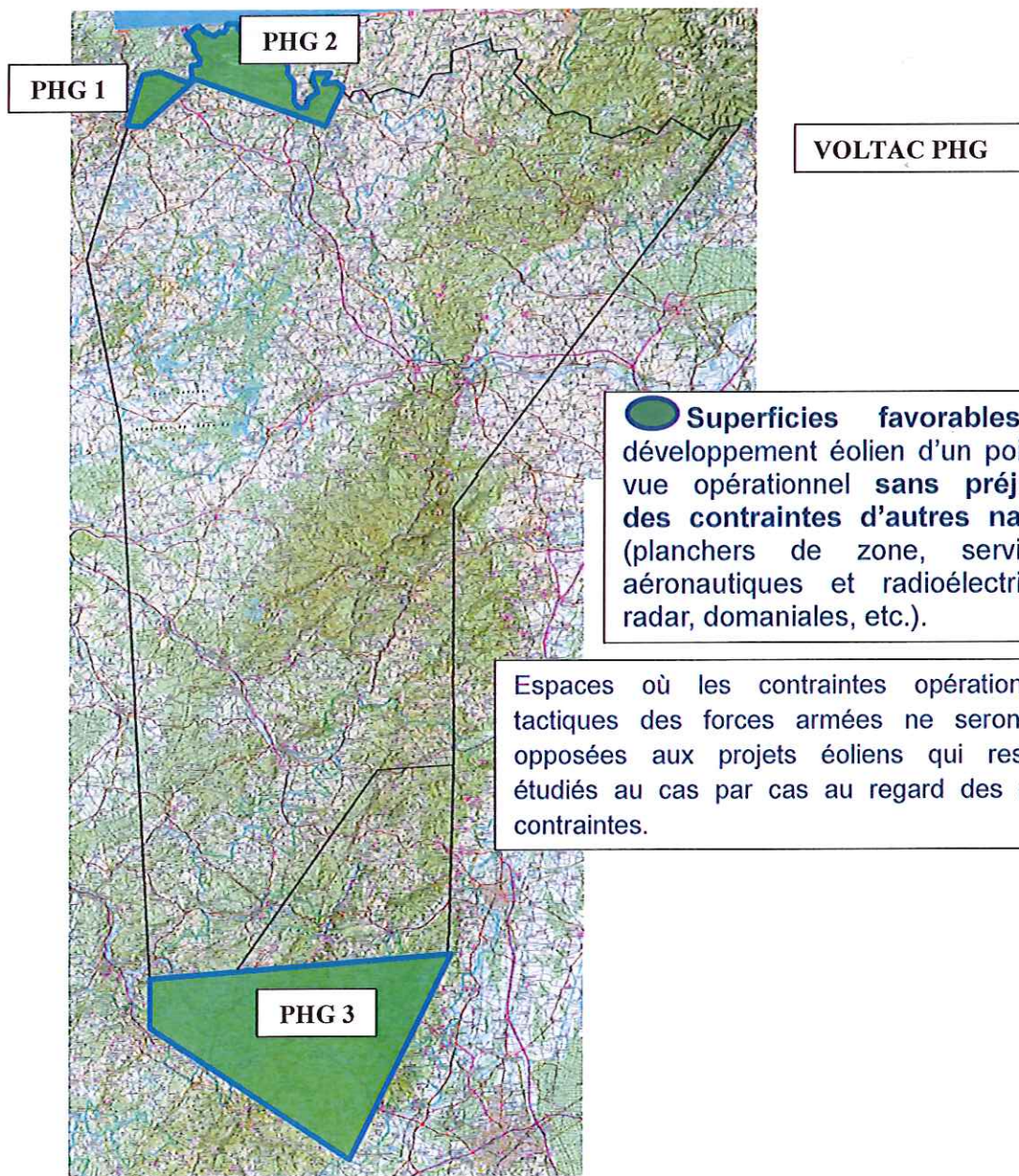
N 48°23'25.3" – E 002°45'02.0"
 N 48°21'32.0" – E 002°50'22.1"
 N 48°05'28.9" – E 002°45'34.0"
 N 48°06'31.9" – E 002°29'04.1"
 N 48°23'25.3" – E 002°45'02.0"

VOLTAC ETN




<p>ETN 1</p> <p>N 49°44'06.1" – E 004°41'21.8" N 49°42'09.3" – E 004°45'33.5" N 49°34'13.2" – E 004°36'38.6" N 49°26'40.6" – E 004°34'31.4" N 49°34'00.0" – E 004°25'00.1" N 49°44'06.1" – E 004°41'21.8"</p>	<p>N 49°32'21.2" – E 005°42'12.7" N 49°32'22.9" – E 005°43'09.7" N 49°32'40.9" – E 005°43'50.7" N 49°32'19.8" – E 005°44'20.0" N 49°32'35.2" – E 005°45'26.5" N 49°33'41.6" – E 005°45'30.6" N 49°33'47.7" – E 005°46'26.9" N 49°32'57.0" – E 005°48'11.2" N 49°33'02.9" – E 005°48'31.1" N 49°32'43.5" – E 005°48'53.1" N 49°32'36.9" – E 005°48'36.5" N 49°32'13.1" – E 005°49'05.0" N 49°32'32.9" – E 005°50'11.9" N 49°31'50.8" – E 005°50'40.7" N 49°31'33.5" – E 005°50'03.5" N 49°31'17.2" – E 005°50'05.8" N 49°30'53.5" – E 005°50'54.8" N 49°30'31.4" – E 005°51'00.7" N 49°29'59.8" – E 005°52'11.7" N 49°29'45.9" – E 005°53'35.9" N 49°30'06.2" – E 005°54'43.0"</p>	<p>N 49°29'53.3" – E 005°55'37.7" N 49°30'02.3" – E 005°56'25.9" N 49°29'35.9" – E 005°57'12.5" N 49°29'36.7" – E 005°58'02.0" N 49°28'43.8" – E 005°58'30.6" N 49°27'50.0" – E 005°58'31.4" N 49°27'42.1" – E 005°59'17.0" N 49°27'14.4" – E 005°58'43.7" N 49°27'02.0" – E 005°58'53.3" N 49°27'26.3" – E 005°59'59.7" N 49°26'48.6" – E 006°00'00.3"</p> <p>ETN 3</p> <p>N 49°12'19.6" – E 005°58'00.2" N 48°59'26.4" – E 005°53'29.9" N 49°01'09.5" – E 005°50'07.9" N 49°11'23.0" – E 005°50'05.0" N 49°12'19.6" – E 005°58'00.2"</p>
<p>ETN 2</p> <p>N 49°26'48.6" – E 006°00'00.3" N 49°29'27.4" – E 005°40'50.3" N 49°30'22.1" – E 005°36'38.5" N 49°31'13.0" – E 005°37'15.0" N 49°31'39.1" – E 005°36'57.3" N 49°32'22.8" – E 005°37'56.5" N 49°32'30.2" – E 005°37'52.8" N 49°32'47.4" – E 005°38'29.8" N 49°33'03.1" – E 005°38'31.7" N 49°33'10.4" – E 005°39'52.7" N 49°32'55.3" – E 005°40'11.5" N 49°32'55.9" – E 005°40'43.9"</p>		

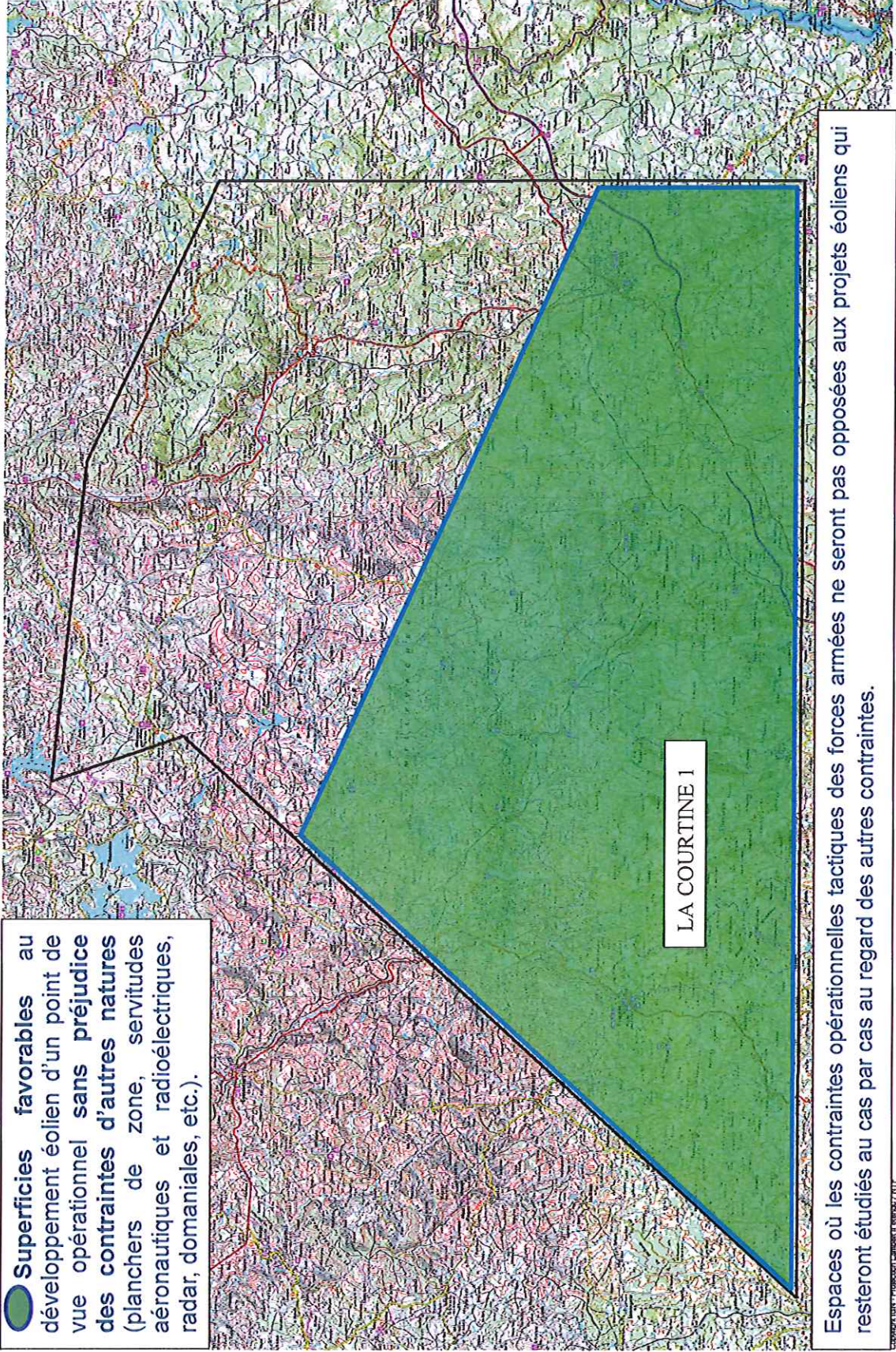
ETN 4 N 48°58'10.3" – E 004°46'59.9" N 48°53'50.6" – E 004°51'23.5" N 48°52'19.1" – E 004°49'58.0" N 48°52'07.2" – E 004°49'18.4" N 48°53'00.1" – E 004°46'59.9" N 48°58'10.3" – E 004°46'59.9"	ETN 5 N 48°47'17.4" – E 005°08'22.5" N 48°45'12.4" – E 005°15'53.6" N 48°46'31.1" – E 005°20'08.3" N 48°44'39.2" – E 005°19'44.8" N 48°43'00.0" – E 005°13'00.3" N 48°45'06.5" – E 005°07'33.2" N 48°47'17.4" – E 005°08'22.5"	
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<p>PHG 1</p> <p>N 49°10'10.4" – E 006°46'54.2" N 49°09'03.4" – E 006°50'18.1" N 49°06'08.7" – E 006°44'46.2" N 49°06'16.0" – E 006°42'51.5" N 49°09'59.9" – E 006°45'00.2" N 49°10'10.4" – E 006°46'54.2"</p> <p>PHG 2</p> <p>N 49°07'54.8" – E 007°08'24.2" N 49°05'08.0" – E 007°06'08.4" N 49°09'27.0" – E 006°50'37.1" N 49°09'31.5" – E 006°50'45.9" N 49°10'24.8" – E 006°50'41.2" N 49°10'33.7" – E 006°51'35.3" N 49°10'57.3" – E 006°51'46.2" N 49°11'42.1" – E 006°51'02.0" N 49°12'08.5" – E 006°51'06.6" N 49°12'44.4" – E 006°50'15.0" N 49°13'22.9" – E 006°51'38.0" N 49°13'07.8" – E 006°52'18.0"</p>	<p>N 49°12'56.9" – E 006°52'27.1" N 49°12'34.4" – E 006°53'38.7" N 49°12'53.8" – E 006°54'20.3" N 49°12'55.6" – E 006°54'44.1" N 49°13'14.2" – E 006°55'09.8" N 49°13'23.6" – E 006°55'06.1" N 49°13'23.5" – E 006°56'21.6" N 49°12'57.4" – E 006°56'33.4" N 49°12'11.3" – E 006°57'31.8" N 49°12'36.7" – E 006°58'31.9" N 49°12'01.9" – E 006°59'38.7" N 49°11'41.3" – E 007°00'01.2" N 49°11'38.2" – E 007°00'35.0" N 49°11'17.7" – E 007°00'41.5" N 49°11'36.9" – E 007°01'18.7" N 49°11'19.4" – E 007°01'22.6" N 49°11'29.6" – E 007°02'07.0" N 49°10'50.0" – E 007°02'01.7" N 49°10'28.3" – E 007°01'41.1" N 49°09'46.6" – E 007°02'02.0"</p>	<p>N 49°09'22.3" – E 007°01'57.6" N 49°08'40.0" – E 007°02'37.8" N 49°07'07.5" – E 007°02'40.3" N 49°06'45.6" – E 007°03'15.6" N 49°06'53.5" – E 007°03'59.0" N 49°07'27.8" – E 007°04'14.0" N 49°07'50.4" – E 007°05'23.1" N 49°08'55.0" – E 007°04'49.7" N 49°09'14.1" – E 007°05'06.8" N 49°09'09.3" – E 007°06'48.5" N 49°08'22.6" – E 007°06'12.8" N 49°08'29.6" – E 007°07'33.3" N 49°07'54.8" – E 007°08'24.2"</p> <p>PHG 3</p> <p>N 48°00'00.2" – E 006°39'59.9" N 48°00'00.2" – E 007°15'00.1" N 47°45'00.1" – E 007°02'00.0" N 47°56'00.1" – E 006°40'00.0" N 48°00'00.2" – E 006°39'59.9"</p>
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VOLTAC LA COURTINE

 **Superficies favorables** au développement éolien d'un point de vue opérationnel sans préjudice des contraintes d'autres natures (planchers de zone, servitudes aéronautiques et radioélectriques, radar, domaniales, etc.).



LA COURTINE 1

Espaces où les contraintes opérationnelles tactiques des forces armées ne seront pas opposées aux projets éoliens qui resteront étudiés au cas par cas au regard des autres contraintes.

LA COURTINE 1

N 45°27'00.2" - E 001°35'00.5"

N 45°42'35.3" - E 001°54'39.5"

N 45°33'27.6" - E 002°23'00.3"

N 45°27'01.5" - E 002°23'00.9"