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Direction de la Nature  
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**REPORT ON THE IMPLEMENTATION OF THE  
AGREEMENT ON BATS - 2005  
- BELGIUM (Walloon Region) -**



## A. GENERAL INFORMATION

**Party :** The Agreement was signed by the government of the Walloon Region the 16 February 1995. The **date of ratification** by Belgium Federal Government is the **14 may 2003**.

**Date of final report :** april 2005.

**Period covered by report :** march 2004 – april 2005.

**Competent authority :** in part, the Ministry of the Walloon Region  
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## B. STATUS OF BATS WITHIN THE WALLONIAN TERRITORY

There are 20 species of bat resident in the Walloon Region.

Different species find their extension limits on this territory. This fact means that the geographical position is strategic to follow the sense of the general dynamic of those species population :

- to the north: *Rhinolophus ferrumequinum*, *Rhinolophus hipposideros*, *Myotis emarginatus* ;
- to the south: *Myotis dasycneme*.

The territory is situated on the migration route at least for *Myotis dasycneme*, *Pipistrellus nathusii*, *Nyctalus noctula*

### 1. Summary details of the species :

Situation similar to the report of the year 2000.

### 2. Status and trends

Quantity of information, assembled in the last sixty years, is available about bats in Wallonia.

Population decline was very important during the last forty years (for example: *Rhinolophus hipposideros* was one of the most common species, now one of the most rare; *Barbastella barbastellus* was common and now occasional, ...).

Two species have been recently mentioned but more details are expected: *Pipistrellus pygmaeus* and *Eptesicus nilssonii*.

Following data concerns the situation in the past ten years (thus, after the main populations collapsing period).

Tab. 1 : Status of bat species

Species	Status and Distribution	Trends	population estimation	Biological status
<i>Rhinolophus ferrumequinum</i>	CR	-	< 250	reproduction
<i>Rhinolophus hipposideros</i>	CR	--	< 200	reproduction
<i>Myotis myotis</i>	EN	?	> 1500	reproduction
<i>Myotis bechsteini</i>	DD	0	> 250	reproduction
<i>Myotis emarginatus</i>	EN	0	> 1000	reproduction
<i>Myotis nattereri</i>	VU	-	> 500	reproduction
<i>Myotis mystacinus</i>	LR	0	> 2000	reproduction
<i>Myotis brandti</i>	LR	?	> 500	reproduction
<i>Myotis dasycneme</i>	EN (A)	-	> 50	hibernation
<i>Myotis daubentonii</i>	LR	0	> 1000	reproduction
<i>Eptesicus serotinus</i>	EN	-	> 1000	reproduction
<i>Eptesicus nilssonii</i>	X	?	?	?
<i>Pipistrellus pipistrellus</i>	NT	+	> 10000	reproduction
<i>Pipistrellus nathusii</i>	DD (A)	?	?	transit-hibernation
<i>Pipistrellus pygmaeus</i>	X	?	?	?
<i>Nyctalus leisleri</i>	DD	?	?	reproduction
<i>Nyctalus noctula</i>	v (A)	?	?	reproduction
<i>Plecotus auritus</i>	VU	-	?	reproduction
<i>Plecotus austriacus</i>	VU	-	?	reproduction
<i>Barbastella barbastellus</i>	EX	--	< 100	reproduction

**Abbreviations and acronyms :***Status and Distribution :*

EX = threatened with extinction ;

CR = critically endangered ;

EN = endangered ;

VU = vulnerable ;

R = rare ;

LR = lower risk ;

NT = not threatened ;

DD = data deficient

I = indeterminate ; A = international responsibility ; v = mentioned and present but no estimation of population size or distribution ; X = mentioned but not appearing.

*Trends :*

0 = population stable ;

- = in decline ;

-- = in drastic decline ;

+ = population increase ;

? = population trend not clear/no specification

## **2. Habitats and Roost sites**

A continuing survey of the roost sites give us a very good view on the present, the past and the potential hibernation - and reproduction (maternity) - possibilities.

We know about 800 natural caves and 450 artificial underground systems. This survey shows that probably more than 200 artificial sites disappeared in the last 50 years and that the disturbance is increasing in the natural and artificial sites.

Numerous informations about colonies in private houses are regularly obtained of the owners. A systematic survey in the official or public buildings, started in 1993, is in progress: near 1000 buildings are already protected (mainly lofts an clock tower of churches).

## **3. Threats**

Most of the factors reducing populations are well known : frequent disturbances during the period of hibernation and reproduction, destruction of the resting places, loss of potential roosts, degradation of habitats and of hunting sites, involuntary or voluntary eradication of colonies. Each of these factors now makes the object of a particular attention.

In 1973 we stopped with ringing and other manipulations.

The Ministry of the Walloon Region subsidised different actions to reduce the influence of these factors, to the minimum.

## **4. Data collection**

Data collections are made by different specialists and NGO.

Until now, the main databank hosted by the Royal Institute for Natural Science in Brussels, mainly covering the period preceding the year 2000.

The Walloon Region constitutes a "biogeographical" databank, intended to gather all information from the Region, including bats. This information contribute to the "Monitoring of the State of the Walloon Environment by biological indicators".

## **C. MEASURES TAKEN TO IMPLEMENT THE AGREEMENT**

### **1. Legal measures taken to protect bats, including enforcement action**

- The national Law of 12 July 1973 relative to the protection of the nature, includes also bats.
- In addition to the International conventions and agreements (Bern - 1982, Bonn - 1982, Directive CEE 92/43 - 1992 and Eurobats Agreement - 1995) the Ministry of the Walloon Region gives more weight to the protection of bats by :
  - a decree protecting in particular bats and their habitats, in applied since the 6 December 2001 on basis of the Directive CEE 92/43 ;
  - a decree allowing to protect underground cavities of scientific interest (Arrêté du Gouvernement wallon du 25 janvier 1995).

## 2. Sites protection

### 2.1 Protection of winter roosts :

Since 1973, hibernating places (caves, underground quarries, railroad or canal tunnels, military fortresses etc.) have been protected against destruction and all kinds of disturbances. Many sites are now closed and have an official status as "Underground Cavity of Scientific Interest" and "State Natural Reserve" (some others become private Natural Reserves). They have been bought by the Walloon Region or are covered by a conservatory convention, established between the owner and the Region.

In 1983, 14 sites are protected. In 2005, Region count 69 Underground Cavities of Scientific Interest with state agreement and 67 underground sites managed in State Natural Reserves. In the near future, other caves or other types of underground sites will be protected.

The majority of these protected underground sites are integrated into the Network Natura 2000.

Adjustments and the closing down of sites are fully paid by the Ministry of the Walloon Region.

### 2.2 Protection of reproduction roosts - Operation "Lofts and steeples" :

Besides the protection of underground sites, the Walloon Region has the operation "Lofts and steeples". This operation aims to protect, and to render accessible to the wild fauna, lofts and steeples of public buildings (churches, schools, city halls...). This constitutes a totality of more than 2000 potential summer resting places, distributed all over the territory of Wallonia in a dense network.

These sites are converted in natural reserves thanks to subsidies of the Region, then they are protected, physically by a closing down, and administratively by a convention signed by the municipality (owner of the building), and the Region.

The wish of the Region, by the means of the operation, is to imply and to make responsible the municipalities and make them aware that wild species protection concerns everybody. This program was initiated in 1995, during the second European Year of Nature Conservation.

Until now, among the 262 communes of Wallonia, 115 have signed the convention. Those constitute a totality of 985 potential summer resting places, distributed all over the territory of Wallonia in a dense network. Two thirds are arranged right now.

Among principal installations for bats set up within this framework, one counts some:

- 160 bat's access on attic window
- 83 bat's access on snuffbox
- 160 bat's access on roof
- 820 bat's access on louvers
- 120 nesting box

In the same way, the Ministry of the Walloon Region maintains preferential contacts with the Provincial Technical Services and the Administration in charge of the Architectural Patrimony to systematise favourable adjustments for the fauna in public buildings, notably during renovations.

### 2.3 Protection of hunting places

The quality of hunting places depends of the good state of the invertebrate populations and is decisive for the conservation of bats.

Different agri-environmental measures are initiated by the Region : belated mow, fallow (*jachère*) regulation about the road edges, subsidisation for plantation and maintenance of hedges. These measures are favourable to the fauna and the flora and permit a development of the diversity and abundance of insect populations.

A study of the state of the Ecological Network is in progress.

Other measures, aiming to reduce the use of pesticides, furthermore lesser remnant, are equally very favourable to the production of the nourishment of the bats.

A project, the contract "Fallow - wild fauna", is in application through the Region. The goal of this project is to regulate fallow in a manner generally more favourable to the wild fauna than in the past.

An agreement was concluded between the Division of Nature and Forests and the Ministry of National Defence for integrated management of military territories in open and wooded environments (approximately 6000 ha).

Walloon environment is supervised by biological indicators (including bats).

## 3. Publicity and promoting awareness of the importance of the conservation of bats

Information of the public :

- To promote and to help public architects and building contractors, the Walloon Region publishes a guide concerning special management for bats (and others wild animals) - cf. appendix IV (French and German versions).
- Many conferences and direct information are given for students and public actors.
- The last Bat Night was organised the 28 August 2004 in 31 different places ; about 3000 participants were concerned.
- Installation of information' panels around underground reserves.
- Development of web-sites about bat conservation :
  - <http://mrw.wallonie.be/DGRNE/DNF/Protectionchauvessouris>
  - <http://mrw.wallonie.be/DGRNE/DNF/comblesetclochers>
- Distribution in schools of CD-rom about bats (with video applications and games) - cf. appendix IV.

The totality of these measures, that the Walloon Region intends to continue and to complete, should stop the decline of bats populations and, if possible, begin a resumption. The program of follow-up of bat populations, financed by the Walloon Region since 1990, will allow to estimate efficiency.

## APPENDIX I

**MOUVEMENT AND MIGRATION ROUTES**  
**(BELGIUM - Walloon Region)**

Species	Migratory behaviour	Longest movement	References
<i>Rhinolophus ferrumequinum</i>	Movements between the summer and the winter roosts, usually between 5 and 30 km	42 km	outstanding new analysis (J.FAIRON, 2000)
<i>Rhinolophus hipposideros</i>	sedentary, movement between summer and winter roosts, usually less than 5 km rarely, more than 10 km	27 km	"
<i>Myotis myotis</i>	generally less than 50 km	128 km	"
<i>Myotis bechsteinii</i>	one movement	43 km	"
<i>Myotis emarginatus</i>	generally less than 40 km	40 km	"
<i>Myotis nattereri</i>	generally less than 20 km	50 km	"
<i>Myotis mystacinus/brandtii</i>	generally less than 30 km	51 km	"
<i>Myotis dasycneme</i>	regular migrant between Netherlands and Belgium	350 km	"
<i>Myotis daubentonii</i>	few information	50 km	"
<i>Eptesicus serotinus</i>	not information		"
<i>Pipistrellus pipistrellus</i>	few information	48 km	"
<i>Pipistrellus nathusii</i>	regular migrant	1300 km	"
<i>Nyctalus noctula</i>	seem to be regular migrant	675 km	"
<i>Nyctalus leisleri</i>	no information		"
<i>Barbastella barbastellus</i>	few old information	27	"
<i>Plecotus auritus/austriacus</i>	few information	23 km	"

## APPENDIX II

**LIST OF PROTECTED WINTER ROOSTS  
IN WALLOON REGION (BELGIUM)**

"Underground Cavity of Scientific Interest"

<b>Site name</b>		<b>Locality</b>	<b>Now protected</b>
Abîme	SAINT-MARD	SAINT-MARD	
Ardoisière	LAPLET I	ALLE	in progress
Ardoisière	LAPLET II	ALLE	in progress
Ardoisière	LA CORNETTE I	FAYS-LES-VENEURS	in progress
Ardoisière	LA CORNETTE II	FAYS-LES-VENEURS	in progress
Bâtiment	CENTRALE	CLAIREFONTAINE	yes
carrière souterraine	BELLAIRE - 2	COMBLAIN-AU-PONT	
carrière souterraine	BELLAIRE	COMBLAIN-AU-PONT	
carrière souterraine	GRAND-BANC	GEROMONT	yes
carrière souterraine	FECKELSBORN	FECKELSBORN	yes
Casemate	BASTION 5	PHILIPPEVILLE	yes
Casemate	CONTOURNEMENT	PHILIPPEVILLE	yes
Caves	Réfectoire Colloque	GOZÉE	yes
Caves	Réfectoire du gras	GOZÉE	yes
caves et canaux	Quartier des Anciens	GOZÉE	yes
Chantoir	GRANDCHAMPS	LOUVEIGNÉ	
Chantoir	ADZEUX	LOUVEIGNÉ	
Chantoir	SÉCHEVAL	SÉCHEVAL	
château d'eau	BOIS DES SAUCIS	Rue des Ecureuils	in progress
Conduite	BARRAGE DE L'EISCH	CLAIREFONTAINE	yes
Galerie	BLANC-CAILLOU	HABAY-LA-VIEILLE	in progress
Galerie	BOIS CUMONT-NORD	ROLY	yes
galerie de visite	BARRAGE DE L'EISCH	CLAIREFONTAINE	yes
Glacière	CHÂTEAU DE HODOUMONT	HODOUMONT	
Grotte	N°2 DU CASINO	BOIS DU CASINO	
Grotte	MARGAUX	FALMIGNOUL	yes
Grotte	FREYR	FREYR	yes
Grotte	BOIS DE WERIMONT (ou Trou du Faisan)	EPRAVE	in progress
Grotte	PRÉHISTORIQUE DE WERIMONT	EPRAVE	
Grotte	NOU-MAULIN	ROCHEFORT	
Grotte	ABÎME	COMBLAIN-AU-PONT	yes
Grotte	VAMPIRE	COMBLAIN-AU-PONT	in progress
Grotte	ÉMOTIONS	FERRIÈRES	yes
Grotte	WALOU	FORÊT	
Grotte	WINANT	FORÊT	
Grotte	FONTAINE DE RIVIRE	HAMOIR	yes
Grotte	REMOUCHAMPS	REMOUCHAMPS	yes

Site name		Locality	Now protected
Grotte	BRIALMONT	TILFF	in progress
Grotte	SAINT-ÉTIENNE	BEN-AHIN	yes
Grotte	RAMIOUL	RAMIOUL	yes
Grotte	SALPÈTRE	VIERSET-BARSE	
Grotte	VÉGÉTATIONS	YVOZ-RAMET	
Grotte	SURDENTS	ANDRIMONT	
Grotte	BOHON	BARVAUX	yes
Grotte	HEINRICHS	HEYD	yes
Grotte	TROTTI AUX FOSSES	MARCHE-EN-FAMENNE	
Grotte	MONEUSE (d'ANGRE)	ANGRE	
Grotte	AGOULOIR	BOIS DE CHÂTELET	yes
Grotte	CLAMINFORGE	SAMBREVILLE	yes
Grotte	PONT D'AVIGNON	NISMES	yes
grottes	FOND-DE-FORêt	FORêt	in progress
grottes	SARRAZINS	BORGNERI	yes
Puits	VAUX	FURFOOZ	yes
souterrain	ABBAYE D'AULNE	GOZÉE	yes
souterrain	CLOÎTRE	GOZÉE	yes
souterrain	COGEN	VILLERS-LE-GAMBON	yes
Trou	TORGNY	TORGNY	yes
Trou	NUTONS (chantoir)	FURFOOZ	
Trou	TROU-QUI-FUME	FURFOOZ	yes
Trou	PALAN	CARRIÈRE D"EPRAVE	yes
Trou	LOUVE	NETTINNE	
Trou	MANTO	BEN-AHIN	yes
Trou	DEUX COPINES	LES CRAISIERS	
Trou	FLAQUES	LONTZEN	yes
Trou	RIGA	HEYD	yes
Trou	MAYE CREVÉ	HEYD	yes
Trou	ZINC	BARBENCON	in progress
Trou	FEUILLES	BERSILLIES-L'ABBAYE	
Trou	SARRAZINS (ou TCHAMPACANE)	HANTE	yes
Trou	NUTONS	FLAVION	yes
Trou	MAILLARD	TREIGNES	yes
Trou	BLAIREAUX	VAUCELLES	yes
tunnel	LOMMERSWEILER - ouest	LOMMERSWEILER	yes
tunnel	MASPELT	MASPELT	yes
tunnel	CHEMIN-DE-FER de SENZEILLES	SENZEILLES	yes
tunnel	BRUMAGNE	MAIZERET	in progress
xhorre	CHARTREUSE	BRESSOUX	in progress

"State Natural Reserve"

	<b>Site name</b>	<b>Locality</b>	<b>Now protected</b>
ardoisière	LINGLE I	BERTRIX	yes
ardoisière	SAINTE-ADELE I	FAYS-LES-VENEURS	yes
ardoisière	SAINTE-ADÈLE II	FAYS-LES-VENEURS	yes
ardoisière	LES COLLARDS-INFERIEUR	HERBEUMONT	
ardoisière	LES COLLARDS-SUPERIEUR	HERBEUMONT	yes
ardoisière	PRIGEAI XVI	HERBEUMONT	
ardoisière	LA FORêt	LA FORêt	yes
ardoisière	LAVIOT I-Réserve	LAVIOT	yes
ardoisière	LAVIOT II-bas	LAVIOT	yes
ardoisière	LAVIOT III-haut	LAVIOT	yes
ardoisière	GALERIE SAINT-JOSEPH	OIGNIES	yes
ardoisière	GÉRARDFOSSÉ	ROCHEHAUT	yes
ardoisière	035 - Jean Mathy	VIELSALM	yes
ardoisière du	PRIGEAI I	HERBEUMONT	
ardoisière du	PRIGEAI VIII	HERBEUMONT	
ardoisière du	PRIGEAI X	HERBEUMONT	
ardoisière du	PRIGEAI XIX	HERBEUMONT	
ardoisière du	PRIGEAI XVIII	HERBEUMONT	
ardoisière du	PRIGEAI XXI	HERBEUMONT	yes
bunker	LAURENSART	GREZ-DOISSEAU	in progress
canal souterrain	NEUFCOULIN	VILLERS-DEVANT-ORVAL	yes
carrière souterraine	PARKING-N	VIELSALM	yes
carrière souterraine	CASTER	BASSENGE	
carrière souterraine	PARKING-S	VIELSALM	yes
carrière souterraine de	MALOGNE OUEST	CUESMES	
carrière souterraine de	MALOGNE S. BAVAIS	CUESMES	yes
carrière souterraine de	COTICULE (Georges Jacques - 13)	VIELSALM	
cave moyenne	ABBAYE D'ORVAL	ORVAL	yes
charbonnage de	L'ESPÉRANCE (sud)	BAUDOUR	
charbonnage de	L'ESPÉRANCE (nord)	BAUDOUR	
fort	MALONNE	MALONNE	yes
four à chaux	ANCIENNE CARRIÈRE DE JAMIOULX	JAMIOULX	yes
four à chaux	ANCIENNE CARRIÈRE DE JAMIOULX	JAMIOULX	
four à chaux	ANCIENNE CARRIÈRE DE JAMIOULX	JAMIOULX	
four à chaux	ANCIENNE CARRIÈRE DE JAMIOULX	JAMIOULX	
four à chaux	ANCIENNE CARRIÈRE DE JAMIOULX	JAMIOULX	
galerie	BARAQUE A RAMONS	BOIS DE COLFONTAINE	yes
galerie	FERAUGE	FERAUGE	
galerie	COTICULE-037 (Gomez)	VIELSALM	yes
galerie de	BÈCHE	BÈCHE	yes
galerie de la	CARRIÈRE	BOIS DE COLFONTAINE	yes
galerie de recherche	BÈCHE	BÈCHE	
galerie de recherche de	COTICULE (Georges Jacques - 12)	VIELSALM	yes

<b>Site name</b>		<b>Locality</b>	<b>Now protected</b>
glacière	CHATEAU de MIRWART	MIRWART	in progress
grande cave	ABBAYE D'ORVAL	ORVAL	yes
grotte	TARTINES	LES TARTINES	yes
grotte	LOMPRET	LOMPRET	yes
grotte	JAMINON	PEPINSTER	yes
grotte	POILU (ou de Pétigny)	PETIGNY	yes
grotte	ROGER	THON-SAMSON	
grotte	MONCEAU	VALLON DE BEAUREGARD	in progress
grotte	CHAUVES-SOURIS	VAUCELLES	yes
mine de	LOVEGNEE	LOVEGNÉE	in progress
minière	HALANZY	HALANZY	yes
minière	WARNIMONT	HALANZY	yes
minière	MUSSON	MUSSON	yes
petite cave	ABBAYE D'ORVAL	ORVAL	yes
recherche	GRAND-BABINAY	ORGEO	yes
souterrain	PENSIONNAT	BEAUMONT	yes
tour	L'AMOUR	BEAUMONT	yes
trou	OZER	BEVERCÉ	yes
trou	SOTAIS (ou grotte des NAINS)	BEVERCÉ	
trou	VIVIER	ROCHER DE MONIAT	
trou du	BELVEDERE (ROCHER DE SERIN)	EPRAVE	yes
tunnel	BURET	BERNISTAPE	
tunnel	BÊTE-REFAITE (nord)	GODARVILLE	yes
tunnel	BÊTE-REFAITE (sud)	GODARVILLE	yes

## APPENDIX III

**LIST OF PROTECTED REPRODUCTION ROOSTS**  
**- OPERATION "LOFTS and STEEPLES"**  
**IN WALLOON REGION (BELGIUM)**

Municipalities	Beginning of the action	number of potential reproduction roosts	With bats access now
AMAY	06/02/1996	3 churches	x
ANDENNE	11/07/1997	14 churches + 1 vault	x
ANHEE	28/02/1996	10 churches	in progress
ANTOING	08/06/1998	6 churches	
ARLON	30/01/2003	19 churches	x
ASSESSE	15/04/2003	8 churches	
ATH	24/06/1996	21 churches	x
ATTERT	23/02/1998	10 churches	x
AUBANGE	05/08/2002	7 churches + 1 tower	x
AWANS	06/05/1996	5 churches	x
BASSENGE	11/04/1996	6 churches	x
BASTOGNE	06/02/1996	15 churches + 7 vaults	x
BEAUMONT	11/07/1997	7 churches	x
BEAURAING	06/02/1996	2 churches	
BEAUVECHAIN	06/05/1996	6 churches	x
BELOEIL	06/04/1998	10 churches	x
BERNISSART	23/03/1998	5 churches	
BERTRIX	09/10/2000	10 churches	
BOUILLOU	04/01/1996	13 churches + 2 vaults	x
BRAINE L'ALLEUD	06/02/1996	5 churches	x
BRAINE LE COMTE	27/08/1996	1 church	x
BRAIVES	11/03/1996	7 churches	x
BRUNEAUT	11/05/2000	4 churches	
BURDINNE	17/11/1998	5 churches + 1 building	x
CELLES	29/05/1996	6 churches	
CHASTRE	26/07/1996	3 churches	
CHAUDFONTAINE	11/03/1996	4 churches	x
CHINY	(projet-pilote)	8 churches	x
CINEY	15/01/2005	13 churches	
COLFONTAINE	01/10/2002	1 church	x
COMBLAIN AU PONT	06/02/1996	2 churches	x
COMINES	24/06/1996	7 churches	x
COUVIN	12/01/1996	15 churches	x
DAVERDISSE	25/04/1996	4 churches	x
DURBUY	04/01/1996	21 churches	x

<b>COMMUNE</b>	<b>Beginning of the action</b>	<b>number of potential reproduction roosts</b>	<b>With bats access now</b>
ELLEZELLE	18/06/1999	4 churches	
ENGHIEN	01/08/2001	4 churches + 16 buildings	x
ERQUELINNES	11/03/1996	7 churches	x
ESNEUX	27/03/1996	5 churches	x
ESTAIMPUIS	12/01/1996	7 churches	x
ETALLE	(projet-pilote)	7 churches	x
FAUVILLERS	08/07/2003	9 churches	
FERNELMONT	10/10/2002	2 churches	x
FERRIERES	25/01/1996	7 churches	x
FLEMALLE	25/01/1996	5 churches	x
FLOBECQ	18/12/1995	1 church	x
FLORENNES	11/01/1996	12 churches	x
FLORENVILLE	11/03/1996	8 churches + 1 vault	x
FRASNES-LEZ-ANVAING	24/11/1998	16 churches + 1 vault	in progress
GEER	06/02/1996	6 churches	
GERPINNES	07/01/1997	10 churches	x
GESVES	01/12/2000	5 churches	
GOUVY	15/03/2003	19 churches	
HABAY	06/05/1996	7 churches	x
HAM SUR HEURE	28/02/1996	8 churches + 1 vault	x
HASTIERE	28/02/1996	7 churches	
HERBEUMONT	19/01/1996	4 churches	x
HERVE	06/05/1996	10 churches	in progress
HOUFFALIZE	30/10/2003	21 churches	
HOUYET	13/06/1996	11 churches + 1 school	
HUY	14/09/1996	15 churches + 1 vault + 1 tower	x
JURBIZE	21/05/2001	6 churches	
LA BRUYERE	14/06/2000	5 churches	x
LA LOUVIERE	14/05/2003	15 churches	
LASNES	06/01/2000	6 churches	x
LEGLISE	15/05/2003	10 churches	
LESSINES	27/03/1996	8 churches	x
LIEGE	11/04/1996	3 churches	x
LIERNEUX	03/02/2004	9 churches	in progress
MALMEDY	25/01/1996	1 cathédrale	x
MARCHIN	28/02/1996	4 churches	x
MEIX devant VIRTON	04/01/1996	6 churches	x
MESSANCY	28/12/1995	6 churches	x
METTET	21/10/2002	13 churches	
MOMIGNIES	28/02/1996	9 churches	x
MONS	31/10/1996	21 churches	in progress
MONT DE L'ENCLUS	27/03/1996	4 churches	x

<b>COMMUNE</b>	<b>Beginning of the action</b>	<b>number of potential reproduction roosts</b>	<b>With bats access now</b>
MONTIGNY LE TILLEUL	11/03/1996	2 churches	
MOUSCRON	11/03/1996	11 churches	x
MUSSON	28/02/1996	4 churches et 2 buildings	x
NAMUR	15/06/2003	16 churches + 1 building	x
OHEY	04/01/1996	6 churches + 1 vault	x
OREYE	11/04/1996	5 churches	x
PERUWELZ	20/07/2000	9 churches	
PHILIPPEVILLE	22/04/1996	15 churches	
PONT A CELLES	06/05/1996	9 churches	x
REBECQ	05/09/2000	5 churches	x
REMICOURT	12/01/1996	4 churches	x
RENDEUX	24/06/1996	9 churches	x
RIXENSART	05/12/1996	3 churches	
ROCHEFORT	28/02/1996	12 churches + 1 vault	x
ROUVROY	26/08/1999	6 churches + 1 vault	x
RUMES	07/05/1998	3 churches	x
SAINT-LEGER	(projet-pilote)	3 churches + 1 vault	x
SOUMAGNE	11/04/1996	5 churches	
STAVELOT	25/08/2000	4 churches	in progress
STOUMONT	27/03/1996	8 churches + 1 vault	in progress
TELLIN	28/02/1996	4 churches	x
TENNEVILLE	15/09/1998	6 churches	x
THUIN	29/05/1996	11 churches	x
TINLOT	12/01/1996	3 churches	x
TINTIGNY	19/01/1996	5 churches	x
TOURNAI	16/12/1997	37 churches	
VERLAINE	04/01/1996	3 churches + 1 vault	x
VIELSALM	01/10/2003	16 churches	
VILLERS LE BOUILLET	11/01/1996	5 churches	x
VIROINVAL	22/04/1996	8 churches	x
VIRTON	27/03/1996	10 churches + 1 tower	x
VISE	11/03/1996	9 churches	x
WAIMES	11/03/1996	4 churches	x
WALCOURT	19/01/1996	17 churches + 1 vault	
WALHAIN	25/01/1996	6 churches	
WAREMME	11/03/1996	1 church	
WASSEIGES	25/01/1996	4 churches	x
WELLIN	22/05/1997	7 churches	

## APPENDIX IV

## Documents et publications

