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Lodge Hill, Chattenden, Kent / Nightingale Assessment/ **Medway Council**

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Nightingale Assessment

Medway Council

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1 Introduction

THE COMMISSION

1.1 The Ecology Consultancy was commissioned in July 2012 by Medway Council to undertake an independent and objective desk-based assessment of the importance of the population of nightingales *Luscinia megarhynchos* at Lodge Hill, Chattenden, Kent.

BACKGROUND

1.2 It is proposed to develop a new settlement at Lodge Hill, Chattenden Barracks, which is situated to the north of the Medway Towns in Kent.

1.3 The proposal is central to Medway Council's Core Strategy which is currently the subject of scrutiny at an Examination in Public. In November last year the developer Land Securities submitted an outline planning application which the Council hope to determine in Autumn 2012.

1.4 The site provides important habitat for nightingales and it is clear that the proposal will impact upon that habitat. The developer has submitted a mitigation strategy as part of the proposal. On publication of the British Trust for Ornithology's (BTO) 2012 Nightingale Survey Natural England has decided to object to the proposal and to consider re-notification of the Chattenden Woods Site of Special Scientific Interest (SSSI), including extension of the SSSI boundary to incorporate the development site.

1.5 The purpose of the following study is to assess the significance of the Chattenden nightingale population in both a national and county (Kent) context.

SCOPE OF THE WORKS

1.6 The scope of the desk study as issued by Medway Council was as follows:

a. To examine the BTO surveys, for the years 1976, 1980, 1999 and 2012 for Chattenden, Kent and Great Britain (GB) (UK not available for 2012) and also surveys carried out by Thomson Ecology for 2009 and by Kent Ornithological Society (KOS) in 2010;

b. Provide a commentary on the changing habitat within GB, Kent and Chattenden based on readily available material;

c. Comment on the significance of “b” in an international context; and

d. Assesses the importance of the Chattenden site in a Kent, GB and international context.

1.7 The assessment was based mainly on the data provided to us by Medway Council and which comprised :

- The BTO survey data for the years 1976, 1980, 1999 and 2012 for Chattenden, Kent and GB (UK not available for 2012). (Subsequently it was discovered that the BTO data for 1976 was not in suitable condition for inclusion in the study).
- Thomson Ecology data for 2009 collected on behalf of their client Land Securities and Kent Ornithological Society data for 2010.

1.8 In addition, some information and data was retrieved from library and internet sources.

LIMITATIONS

1.9 Limited information on survey methodology for the Lodge Hill site was provided. Analysis of that methodology could potentially go some way to explaining the increased number of singing birds recorded.

1.10 The assessment was solely desk based. It utilised data provided by Medway Council supplemented by that readily available on the internet, from sources including the BTO, and from The Ecology Consultancy library.

2 The Assessment

INTRODUCTION

2.1 Famous for its powerful song, the nightingale has been culturally celebrated across Britain for hundreds of years. It was once a familiar species throughout Southern England, visiting the UK during the summer months to breed. However, the species has now disappeared from much of its former range in the UK.

2.2 This decline in range (and population) has been long recognised; it was first noted in the mid-1960's, with an increasing downward trend noted up until the late 1970's. This prompted a national survey of the species to be undertaken in 1999.

2.3 Nightingales arrive in the UK in mid-April and sing until June before returning to their African wintering quarters.

POPULATION, DISTRIBUTION & CONSERVATION STATUS – UK, EUROPE AND INTERNATIONAL

2.4 Kent: 1,170 singing males representing 17.5% of the UK total (see below) in 1999 (BTO 1999). Preliminary data from the 2012 BTO-organised survey for 418 tetrads (out of a possible total of 574) suggest a 26% decline in numbers since 1999. 1,050 singing nightingales were recorded in 1999 with only 897 being recorded in 2012. The total number of nightingales counted in Kent in 1999 was 1,212 and a decline of 26% since implies a county total of around 897 singing nightingales in 2012 (Henderson, 2012).

2.5 UK: A report issued subsequently by the BTO (Wilson & Fuller 1999) of a survey of 'known sites' estimated a total population of 6,700 singing males (based upon occupied territories) in 1999 (95% confidence limits 5,600-9,350). The data for the latest BTO national survey were not available at the time of writing this report. Nightingales are categorised as a Bird of Conservation Concern (BoCC - see Appendix 1) Amber-list species due to a 25-49% decline in the UK breeding population over last 25 years (Eaton *et al*, 2009).

2.6 European: Not a species of conservation concern (BTO). In Europe, the breeding population is estimated to number 4,200,000-12,000,000 pairs, equating to

12,600,000-36,000,000 individuals (Birdlife International 2004). In mainland Europe the recent pattern (post 1970s) is one of relative population stability (Holt *et al*, 2012).

2.7 Europe forms 50-74% of the global range, so a very preliminary estimate of the global population size is 17,000,000-72,000,000 individuals, although further validation of this estimate is needed.

2.8 Global: Least Concern (BTO). This species has an extremely large range, and hence does not approach the thresholds for Vulnerable under the range size criterion (Extent of Occurrence <20,000 km2 combined with a declining or fluctuating range size, habitat extent/quality, or population size and a small number of locations or severe fragmentation). The population trend appears to be increasing, and hence the species does not approach the thresholds for Vulnerable under the population trend criterion (>30% decline over ten years or three generations). The population size is extremely large, and hence does not approach the thresholds for Vulnerable under the population size criterion (<10,000 mature individuals with a continuing decline estimated to be >10% in ten years or three generations, or with a specified population structure). For these reasons the species is evaluated as Least Concern.

UK Population Trends

2.9 BTO figures show that the nightingale declined nationally by 53% between 1995 and 2008. A recent paper published in the journal *British Birds* suggest that this recent population trend indicates that the species now warrants BoCC Red-list status (Holt *et al,* 2012).

2.10 Data available from the 1999 BTO survey showed a marked range contraction since the previous survey in 1980, but the population declined by only 8% overall. The species distribution has contracted on its northern and western extents, with Hampshire, Dorset and Somerset all showing local extinctions. The UK population is now becoming centred in the South East. The counties of Kent, Suffolk, Sussex, Essex and Norfolk are now its stronghold. It is not found in Scotland or Wales.

2.11 The species habitat requirements on its UK breeding grounds range from hedgerows and pioneer scrub, through coppice and young conifer planatations to mature deciduous woodland (Gilbert *et al* 1993). All of these habitat types include areas of close-canopy scrub with areas of dense, low, vegetation, with bare ground beneath the scrub canopy to provide foraging habitat. Woodland and scrub habitat displaying

this specific structure has declined in past decades due to changes in woodland management and increases in browsing pressure from deer (Holt et al, 2012). This has undoubtedly played a part in the decline of the nightingale in the UK, but other factors may be relevant, including habitat loss and climate change in its wintering quarters. However, there is also a suggestion that, in recent years, nightingales have been using different habitats, with an increase in their use of scrub-dominated habitats (Wilson & Fuller 1999).

2.12 Holt *et al* (2012) postulate that 'during the second half of the twentieth century, new infrastructure and housing is likely to have contributed to the decline of the nightingale in England, particularly as the pace of development has been greatest in the south east, in the species core range. In addition to direct loss of habitat, residential development may reduce the quality of adjacent nightingale habitat through factors such as disturbance and predation by cats. Although there is no direct evidence for such indirect effects, the subject is worthy of research'. However, paradoxically the southeast still provides the stronghold for nightingales and thus the situation regarding their status is clearly more complex than just loss of habitat.

Figure 1 - Maps from 1968-72, 1988-91 and 2007-11 Breeding Atlases. (BTO)

CHATTENDEN SSSI/LODGE HILL : POPULATION AND DISTRIBUTION

2.13 Based on available data from the BTO, Thomson Ecology and Kent Ornithological Society for Chattenden SSSI and the proposed Lodge Hill Development (see Appendix 2 & 3), 2012 shows nearly a 100% increase in singing males over that in 2010. The survey figures record 28 singing males for the 2009 period, 43 singing males for the 2010 period, and finally a large increase to 83 singing males for the latest BTO 2012 survey.

2.14 It should be noted that the BTO 1980 and 1999 surveys were carried out on a slightly different protocol, so direct comparisons to the BTO 2012 survey should be carefully undertaken. Coverage of 1980 and 1999 sites was based on identified sites (BTO), whilst the 2012 survey involved the complete coverage of entire tetrads, consequently counts will be substantially higher. The 2012 survey results can be compared more directly to the Thomson Ecology and KOS results of 2009 and 2010 as these followed a similar protocol and create a truer comparison. However, the BTO surveys allowed for nocturnal surveys following the guidance in Gilbert *et al* 2011, whereas the Thomson and KOS surveys, as we understand it, followed BTO Common Bird Census methodology. To confuse matters further, it has been suggested that only single males sing at night whilst paired birds are silent (Holt *et al,* 2012). The 1980 and 1999 surveys also had comparison data for the year from the Kent records; on many sites a '0' was shown to show no birds present, presumably meaning that in previous years, males were holding territory.

2.15 On the proposed development at Lodge Hill, working to the boundary which takes in a large part of the SSSI (Rough Shaw and Lodge Hill Wood), the counts of 2009, 2010 and 2012 show that between 30% and 70% of the survey results were confined to the proposed development site. Given the results of the survey there is no doubt that the loss of the Lodge Hill habitat would affect the nightingale's standing in Chattenden and Kent based on the latest figures. The very small numbers of nightingales recorded within Great Chattenden Woods and the woodlands of the adjoining SSSI during the 2012 survey indicates that these areas do not currently contain areas of habitat attractive to the species. The 2012 figures show only 14 singing males in the SSSI, but 69 within the proposed Lodge Hill development area where the habitat is obviously to their liking.

2.16 In the absence of a field excursion to the site, it is difficult to explain why the proposed development site supports nightingales in such numbers. As explained previously, the species shows an affinity with areas of dense scrub, coppice, and scattered woodland with clearings; therefore, it seems likely that the habitats present on the site have now matured to their preferred composition.

3 Conclusion

3.1 Overall the nightingale is in decline nationally, but not on a European or international scale. Its decline is likely to be associated with a variety of reasons, principally habitat loss, but also potentially by climate trends both in the UK and in their wintering grounds in Africa.

3.2 The population at Lodge Hill site is not only stable, but appears to have shown a dramatic increase in numbers over the last 3 years. It is not clear why this is so; throughout Kent there appears, from the various data, to be variations in population numbers with some sites suffering decline whereas others, such as Lodge Wood, showing a dramatic increase. It is possible that some of this increase may be due to certain areas of habitat being more favourably managed for nightingales, whereas others are becoming less favourable, possibly through lack of suitable management. Clearly count data for the surrounding counties would be useful in informing this assessment, but this was unavailable at the time of compiling this document.

3.3 Overall, based on the data available to us, it appears that the Chattenden site is an important, if not major, site for this species in Kent, and from the population size could well be one of Kent's premier locations for nightingales.

3.4 If we accept the 26% decline (Para 2.3) of 2012 numbers over 1999 in Kent and, in the absence of a national figure for 2012, apply that to the 1999 UK population of 6,700 then we achieve a figure of 4,958 for the UK in 2012. Noting that the proposed development area contained 69 singing males in 2012, that represents 1.4% of this hypothetical UK population. The Guidelines for the Selection of Biological SSSIs quote a population threshold of more than 1% as being one of the criteria for designation and therefore these figures suggest that the development site qualifies as a SSSI.

3.5 In regard to the potential impacts of development we have no detailed information on the proposed scheme to comment on. What is clear is that all necessary measures should be taken to ensure that the population of nightingales at Chattenden is conserved, either *in situ* or through compensation, at nothing less than its current level.

3.6 The options are as follows :

a) **Leave the site as it is -** However, in 10 years or more it is likely that the numbers of nightingales would decline due to the area being unmanaged and, as a result, leading to a reduction in favoured habitat.

b) **Leave the site as it is but introduce management to conserve the habitat in optimal condition to attract nightingales -** This will require a significant commitment on behalf of the landowner and other parties.

c) **Redevelop the site to provide housing** - Likely to result in the loss of the nightingale population from the development site and possibly losses in the adjoining SSSI as a result of disturbance, cats, etc.

d) **Redevelop the site but include mitigation for the loss of habitat and impacts on the SSSI** - That mitigation would need to provide an area of greater size and similar quality to that which currently exists, would need to be in the local vicinity (preferably contiguous with the SSSI), would need to be an area not currently inhabited to any great extent by nightingales, and would be ready in advance of any works taking place.

The lead-in time for such measures is likely to be several years (from site identification, to procurement, to suitable management and habitat creation). It is therefore possible that some of the nightingale habitat currently *in situ* at Chattendon may develop past the point of peak attractiveness for the species during this period. A detailed and funded management plan would therefore have to be put in place to ensure that the existing habitat at Chattendon remains suitable for use by nightingales during the interim period, and the novel habitat created off-site is managed favourably in the long-term.

The inclusion of a buffer zone to protect the SSSI from increased levels of disturbance would also be required, and it is also highly recommended that any new householders within the new development are contractually obliged not to own cats (as has been successfully implemented in other UK housing development sites with local wildlife which are particularly susceptioble to cat predation, e.g. dormice *Muscardinus avellanarius*).

References

BTO 1999. *http://www.bto.org/support-us/current-appeals/1999-nightingale-survey*

Eaton MA, Brown AF, Noble DG, Musgrove AJ, Hearn R, Aebischer NJ, Gibbons DW, Evans A and Gregory RD (2009) *Birds of Conservation Concern 3: the population status of birds in the United Kingdom, Channel Islands and the Isle of Man.* British Birds 102, pp296-341.

Gilbert G, Gibbons DW, Evans J (1998) *Bird Monitoring Methods : a manual of techniques for key UK species.* RSPB, Sandy, Beds.

Henderson A (10 June 2012) *Nightingale Survey 2012 – Preliminary Results for Kent*. Unpublished.

Hewlett, J (Ed.) (2002) *The Breeding Birds of the London Area*. London Natural History Society, London.

Holt C, Hewson C. and Fuller R (2012) *The Nightingale in Britain: status, ecology and conservation needs.* British Birds April 2012 Vol 105 pp171-234.

Parkin DT and Knox AG (2010) *The Status of Birds in Britain and Ireland.* Christopher helm, London.

Wilson A and Fuller R. *Nightingale 1999.* Unpublished Report

Appendix 1: Birds of Conservation Concern

Birds of Conservation Concern

The UK's leading bird conservation organisations have worked together on the third quantitative review of the status of the birds that occur regularly here, updating the last review in 2002. A total of 246 species have been assessed against a set of objective criteria to place each on one of three lists – green, amber and red – indicating an increasing level of conservation concern. There are 52 species on the red list, 126 on the amber list and 68 on the green list. The red list has increased by 12 since 2002, with 18 species added but six moved from red to amber.

The UK's birds can be split in to three categories of conservation importance - red, amber and green.

Red is the highest conservation priority, with species needing urgent action. Amber is the next most critical group, followed by green.

Please refer to our PDF download for the full list of red and amber categorised species (see link).

Birds in the red and amber lists will be subject to at least one of the relevant factors listed below. Again, a full list of criteria can be found in the PDF download (see link).

Red list criteria

- Globally threatened
- Historical population decline in UK during 1800–1995
- Severe (at least 50%) decline in UK breeding population over last 25 years, or longer-term period (the entire period used for assessments since the first BoCC review, starting in 1969).
- Severe (at least 50%) contraction of UK breeding range over last 25 years, or the longer-term period

Amber list criteria

- Species with unfavourable conservation status in Europe (SPEC = Species of European Conservation Concern)
- Historical population decline during 1800–1995, but recovering; population size has more than doubled over last 25 years
- Moderate (25-49%) decline in UK breeding population over last 25 years, or the longer-term period
- Moderate (25-49%) contraction of UK breeding range over last 25 years, or the longer-term period
- Moderate (25-49%) decline in UK non-breeding population over last 25 years, or the longer-term period
- Rare breeder; 1–300 breeding pairs in UK
- Rare non-breeders; less than 900 individuals
- Localised; at least 50% of UK breeding or non-breeding population in 10 or fewer sites, but not applied to rare breeders or non-breeders

- Internationally important; at least 20% of European breeding or non-breeding population in UK (NW European and East Atlantic Flyway populations used for non-breeding wildfowl and waders respectively)

Green list

- Species that occur regularly in the UK but do not qualify under any or the above criteria

Appendix 2: Data

BTO data - 1980 Chattenden Hill SSSI

Site	Grid ref	County	Max count
Great Chattenden Woods	TQ746732	KE	8
Lodge Hill Wood	TQ762743	KE	0
Lodge Hill Wood	TQ762743	KE	0
Deangate Wood	TQ770735	KE	0
Wybornes Wood	TQ770744	KE	0
Wybornes Wood	TQ770745	KE	0

BTO data - 1999 Chattenden Hill SSSI

Site	Grid ref	County	Max count
Deangate Wood/depot	TQ774738	KE	7
Wybornes Wood	TQ770746	KE	2
Lodge Hill Wood	TQ765744	KE	7
Mount Pleasant	TQ761753	KE	1
Beacon Hill	TQ758717	KE	2
Rough Shaw	TQ758742	KE	4
Round Top Wood	TQ756728	KE	1
Berry Court Wood (Chattenden Wds)	TQ754738	KE	6
Ash Wood (Chattenden Woods)	TQ749728	KE	1
Bingham Roughs (Chattenden Wds)	TQ743730	KE	2

BTO data - Nightingale Survey Records for Kent 1980

SITE	GRID REF	COUNTY	MAX COUNT
Tenchleys	TQ422516	KE	0
Edenbridge	TQ425477	KE	1
The Chart	TQ425523	KE	0
North Downs	TQ425560	KE	0
High Chart	TQ430529	KE	0
Scearn Bank	TQ431515	KE	0
Scearn Bank	TQ435515	KE	0
Goodley Stock	TQ438523	KE	0
Kent Hatch	TQ439517	KE	0
Westerham Wood	TQ440550	KE	0
North Downs	TQ445564	KE	0
North Downs	TQ450565	KE	1
Cudham Frith	TQ450580	KE	0
Birches Croft	TQ462599	KE	0
Knockholt Wood	TQ464588	KE	0
Long Bottom Shaw	TQ466598	KE	0
Boons Park, Four Elms	TQ470503	KE	2
Ash Platt, Chevening	TQ472588	KE	0
Tanhouse Farm	TQ474504	KE	1
Coopers Wood	TQ474588	KE	0
Varasours Folly Wood	TQ474590	KE	0
Park Wood, Chevening	TQ476583	KE	0
N. Downs Way, Chevening	TQ478588	KE	0
Park Wood, Chevening	TQ480582	KE	0
Bough Beech Reservoir	TQ498487	KE	1
East side of road to Kilnhouse	TQ500483	KE	1
Joydens Wood	TQ500712	KE	1
Kilnhouse Farm	TQ503482	KE	1
Dunton Green - disused railway	TQ504570	KE	1
Crockenhill	TQ510670	KE	0
South Park Wood	TQ514427	KE	0
Bradbourne (waste ground)	TQ515566	KE	1
Bradbourne (GPs)	TQ518569	KE	1
Farningham Woods	TQ540683	KE	0
Ashour Wood	TQ545535	KE	0

BTO data - Nightingale Survey Records for Kent 1980

SITE	GRID REF	COUNTY	MAX COUNT
Hog Wood	TQ555630	KE	1
Botsam Lane Wood	TQ566637	KE	1
Beechy Toll	TQ572446	KE	1
West edge of Church Wood	TQ576636	KE	1
Princess Christian Woods	TQ579505	KE	2
Stacey's Wood	TQ583497	KE	1
Coldharbour	TQ584504	KE	1
Private road SE of Horn's Lodg	TQ593496	KE	0
Castle Hill Woods	TQ594435	KE	8
Swanscombe Marsh	TQ602754	KE	0
Gregg Wood, Tun-Wells	TQ603412	KE	1
Hognore Wood	TQ623601	KE	1
Hurst Wood (Keeper's Cottage)	TQ627543	KE	2
Downs Wood	TQ635610	KE	1
Trottiscliffe	TQ638609	KE	2
Meopham	TQ648656	KE	3
Mereworth Wood	TQ649558	KE	1
Whitehorse Wood	TQ655615	KE	6
Pilmer Wood	TQ660647	KE	5
Coomb Hill	TQ667648	KE	4
East Peckham (Medway for 2km)	TQ670480	KE	1
Stoneham Quarry	TQ681482	KE	3
Longbottom Bank	TQ681652	KE	9
Randall Wood	TQ682706	KE	0
Broomden Wood, 3 Leg Cross	TQ683311	KE	1
Cobham Hall Grounds	TQ685694	KE	1
Brewers Wood	TQ688698	KE	0
Chingley Wood	TQ689329	KE	1
Cobham Park	TQ695685	KE	2
Pilgrims Road - North Halling	TQ703659	KE	3
Great Crabbles Wood	TQ703703	KE	0
Barham Court	TQ707537	KE	1
New Hythe GP (west of railway)	TQ707603	KE	2
Medway, Halling-Holborough	TQ707635	KE	4
Higham Canal	TQ708737	KE	1

BTO data - Nightingale Survey Records for Kent 1980

SITE	GRID REF	COUNTY	MAX COUNT
Beckley Hill	TQ708741	KE	1
Beckley Hill	TQ708742	KE	0
Barming Woods	TQ710550	KE	0
Holborough Marshes(W.of river)	TQ710626	KE	4
Cuxton	TQ710670	KE	0
'Island site'	TQ714601	KE	12
Reed International Paper Group	TQ714604	KE	1
River Medway - Wouldham	TQ714624	KE	1
Waterworks area	TQ716613	KE	4
Quarry Wood	TQ718519	KE	0
Bushy Woods	TQ718597	KE	3
Burham Court	TQ718625	KE	1
Scarborough Lane	TQ718627	KE	1
Scarborough Lane	TQ718628	KE	2
Eccles Reservoir area	TQ721611	KE	9
Wouldham Common	TQ722634	KE	1
Cliffe/Quarries/Pools	TQ725764	KE	9
Aylesford	TQ727588	KE	1
Reason Hill/Barenhill	TQ730513	KE	0
Little Culland	TQ731612	KE	1
Hale Farm	TQ736612	KE	1
Great Culland	TQ738618	KE	3
Blue Bell Hill	TQ738622	KE	3
Near Great Nineveh	TQ741332	KE	1
Mabs Wood	TQ746412	KE	0
Widehurst Wood	TQ746423	KE	0
Allington	TQ746579	KE	2
Great Chattenden Woods	TQ746732	KE	8
Frith Wood	TQ750616	KE	0
Pookhill Wood	TQ752408	KE	0
Hobbs Wood	TQ753417	KE	0
Wilden Wood	TQ753420	KE	0
Loose Valley	TQ755530	KE	0
Upper Upnor	TQ755705	KE	1
Cockle Wood	TQ760422	KE	1

BTO data - Nightingale Survey Records for Kent 1980

SITE	GRID REF	COUNTY	MAX COUNT
Linton Park	TQ760507	KE	0
Shoad Wood	TQ762413	KE	0
Lodge Hill Wood	TQ762743	KE	0
Lodge Hill Wood	TQ762743	KE	0
Boxley Warren	TQ765598	KE	1
Frogs Rough	TQ766600	KE	1
Westfield Wood	TQ769607	KE	0
Chatham Docks (St.Mary's Isl.)	TQ769769	KE	2
Deangate Wood	TQ770735	KE	0
Wybornes Wood	TQ770744	KE	0
Wybornes Wood	TQ770745	KE	0
Lower Upnor	TQ775713	KE	2
Cockham Woods	TQ775713	KE	0
Cowbeck Wood	TQ777618	KE	0
Northward Hill	TQ781762	KE	24
Wierton Place Woods	TQ785505	KE	0
Mote Park	TQ785548	KE	0
Horish Wood	TQ785575	KE	1
Friends Wood	TQ788609	KE	1
Scullsgate, near Eden	TQ790325	KE	1
Monkdown Wood	TQ794603	KE	1
Detling	TQ795585	KE	1
Ambley Wood	TQ796655	KE	1
Chruch Wood, Bredhurst	TQ801621	KE	0
Leggs Wood, Frittenden	TQ803402	KE	1
Great Farm (woods near)	TQ803404	KE	1
Golford Rd., Benenden School	TQ805340	KE	3
Stoakings Wood	TQ805594	KE	2
Bredhurst Hurst	TQ805616	KE	4
Upper Brooms Wood	TQ805632	KE	1
Brooms Wood	TQ809633	KE	0
Lower Brooms Wood	TQ810633	KE	0
Park Woods, Rainham	TQ812637	KE	0
Foxburrow Woods, Rainham	TQ812645	KE	0
Walkhurst Shaw, Goddards Grn	TQ816338	KE	3

BTO data - Nightingale Survey Records for Kent 1980

SITE	GRID REF	COUNTY	MAX COUNT
Dingleden	TQ821317	KE	2
Mount Le Hoe	TQ828338	KE	1
Halden Wood	TQ830361	KE	1
Squirrel Wood	TQ835599	KE	2
Benenden Chest Hosp.	TQ837348	KE	2
Poorfield Shaw, East Sutton	TQ839482	KE	1
East Sutton	TQ839482	KE	2
Allington	TQ840565	KE	2
Old Forge	TQ842593	KE	1
Halden Place	TQ846333	KE	1
Rolvenden	TQ848316	KE	1
Maytham Hall	TQ849306	KE	1
Newington	TQ868660	KE	1
High Wood	TQ885585	KE	2
Stedehill Wood	TQ888545	KE	2
Trundle Wood	TQ888587	KE	1
Huntsbourne	TQ905350	KE	2
Hogshaw Wood, Milsted	TQ905577	KE	0
Highsted Valley Woods	TQ907606	KE	0
Highsted Quarry	TQ907620	KE	0
Collister's Plantation	TQ913540	KE	1
Wichling Wood	TQ913557	KE	3
Mintching Wood	TQ913592	KE	1
Odiam Wood, Bethersden	TQ915406	KE	2
Murston Brickworks	TQ915643	KE	0
Birch Wood, Bethersden	TQ916404	KE	1
Pluckley Brickworks	TQ919434	KE	0
Murston Reserve & Fishing Lake	TQ926650	KE	0
The Forest, Pluckley Station	TQ930430	KE	1
Otterden Plantation, Otterden	TQ935543	KE	0
Jacksons Wood & Shulland Wd	TQ937567	KE	0
Sparks Wood	TQ938546	KE	0
Cuckoo Wood, Otterden	TQ943533	KE	0
Park Wood	TQ944545	KE	0
March Wood, Pluckley	TQ946436	KE	1

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SITE	GRID REF	COUNTY	MAX COUNT
Lynsted	TQ947606	KE	0
Hoads Wood, Bethersden	TQ954425	KE	2
Cole Wood	TQ955350	KE	3
Etchden Wood, Bethersden	TQ956422	KE	2
Great Heron Wood	TQ960319	KE	3
Spuckles Wood, Stalisfield	TQ960525	KE	0
Calais Wood	TQ961391	KE	2
Westwell Beacon	TQ962478	KE	1
Hunts Wood, Dennes Wood, S. Rd	TQ963339	KE	8
Divan Wood	TQ963503	KE	1
Conyer	TQ963655	KE	0
Great Spelty Wood	TQ964534	KE	1
Broomham Wood, Eastling	TQ967558	KE	0
Vine Wood & Hurst Wood Charing	TQ969515	KE	4
Streetland Wood	TQ970365	KE	4
Longbeech Wood (south part)	TQ970499	KE	1
Holbeam Wood, Stalisfield	TQ970540	KE	0
Hazel Wood, Stalisfield	TQ972537	KE	0
Grits Wood, Stalisfield	TQ972553	KE	1
Upper Toke's Wood	TQ973372	KE	2
Jones Lane Farm	TQ973397	KE	1
Codling Wood, Stalisfield	TQ973523	KE	0
Sprats Wood, Eastling	TQ973545	KE	0
Heelbanks Wood, Stalisfield	TQ975525	KE	0
Barn Wood, Eastling	TQ975565	KE	1
Nickley's Wood	TQ977368	KE	3
Stonefield Wood, Stalisfield	TQ977545	KE	0
Broom Wood, Monkery Farm	TQ978515	KE	1
Longbeech Wood (centre part)	TQ980506	KE	1
Orlestone Forest, Faggs Wood	TQ984345	KE	6
Coxland Wood	TQ984378	KE	2
Orlestone Forest, Longrope Wd	TQ985355	KE	12
Dunn Street, Westwell	TQ986479	KE	1
Orlestone Forest, Birchett Wd	TQ987356	KE	7
near Coxland Wood	TQ987377	KE	1

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SITE	GRID REF	COUNTY	MAX COUNT
Dering Wood	TQ987377	KE	3
Dodd's Willows, Throwley	TQ987537	KE	0
Longbeech Wood (north part)	TQ988513	KE	4
Smallmans Wood	TQ990337	KE	2
Apsley Wood	TQ990342	KE	4
Westwell Down	TQ990497	KE	1
Wilderton Wood, Throwley	TQ990575	KE	0
Judds Wood	TQ990606	KE	0
Bysing Wood	TQ996622	KE	0
Bishop's & Chequertree Woods	TR002365	KE	6
Packing Wood (inc. railway)	TR004352	KE	7
Sheldwich area	TR007573	KE	1
Carters Wood (inc railway)	TR010340	KE	17
Brushdane Wood	TR012512	KE	1
Open Pits	TR014184	KE	1
Hibbit's & Hanger Woods	TR017340	KE	6
Kennington-Eastwell-Crow Down	TR020470	KE	0
Lees Court area	TR020558	KE	1
Westons Wood	TR025347	KE	9
Dicker's and Hodge's Woods	TR030350	KE	11
Kings Wood, Challock	TR035495	KE	1
Priory Woods	TR037358	KE	13
Conningbrook area	TR037437	KE	2
Kings Wood, Challock	TR040510	KE	14
Park Wood, Chilham & area	TR045530	KE	3
Quarrington Wood	TR058418	KE	6
Dungeness, Hooker Pits	TR060187	KE	1
Nackholt Wood	TR065427	KE	2
Dungeness, 20 Acre Pit	TR067184	KE	1
Barrack & Bockham Woods	TR068405	KE	5
Hampton Wood	TR073433	KE	1
Purr Wood	TR073503	KE	3
Foreland Wood	TR074427	KE	3
Wye NNR	TR075450	KE	4
Warren Wood	TR075486	KE	1

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SITE	GRID REF	COUNTY	MAX COUNT
Fanscombe Wood	TR077470	KE	1
Cadmans Wood	TR080430	KE	1
Richards Wood	TR080458	KE	1
Denstead Wood complex	TR080570	KE	27
Blean Wood	TR080610	KE	2
Hurst Wood	TR085465	KE	0
Downs Wood & area	TR085525	KE	13
Towns Wood	TR088475	KE	0
Eggringe Wood	TR090505	KE	3
Church Wood	TR090595	KE	14
Church Wood	TR095605	KE	9
Ellenden Wood	TR095625	KE	4
Denge Wood	TR097515	KE	3
Denge Wood (TR15 part)	TR105615	KE	12
Ellenden Wood (TR16 part)	TR105625	KE	7
Chartham Hatch-Bigbury	TR110570	KE	18
Church Wood (TR15 part)	TR110590	KE	17
Church Wood (TR16 part)	TR110605	KE	19
Marley Wood	TR110627	KE	3
Buckholt Wood	TR118505	KE	2
Lympne arae	TR120345	KE	3
Hobdays Wood	TR120495	KE	1
Earley Wood	TR120504	KE	1
Yockletts Bank	TR123480	KE	4
Clowes Wood (west of railway)	TR123625	KE	11
Spong Wood	TR125455	KE	2
Dowles Farm Wood	TR128458	KE	1
Clowes Wood (east of railway)	TR130630	KE	21
Waddenhall Wood	TR134495	KE	3
Iffin/Lark Valley Woods area	TR135537	KE	2
Sandling Park area	TR140360	KE	2
Stowting Common-Sibton Wood	TR140420	KE	2
Upper Hardres Wood	TR143495	KE	19
Waddenhall Wood (TR15 part)	TR143503	KE	1
West Wood acroos to Elham	TR145433	KE	7

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SITE	GRID REF	COUNTY	MAX COUNT
Honey Wood	TR145615	KE	14
Thornden Wood	TR145635	KE	14
Hythe Ranges	TR150340	KE	2
Elhampark Wood-Clavertye Wood	TR150450	KE	2
Lower Hadres area	TR150510	KE	12
Saltwood-Etchinghill	TR160370	KE	4
Whitehill Wood	TR160535	KE	14
West Blean Wood (& area)	TR160640	KE	22
Broad Oak-Sturry Woods	TR165608	KE	0
Gorsley Wood	TR170515	KE	16
Bullockstone	TR172655	KE	1
Stelling Minnis-Atchester area	TR180480	KE	19
Lynsore Court-Covet Wood area	TR180490	KE	14
Bourne Park	TR183528	KE	0
Charlton Wood	TR185511	KE	0
East Blean Wood (& area)	TR185645	KE	7
Oldridge Wood	TR189580	KE	13
Trenley Park Wood	TR190595	KE	6
Bekesbourne - Bridge	TR191545	KE	0
Wingmore	TR192465	KE	1
Westbere (inc.Stonerock pits)	TR193611	KE	1
Pine Wood	TR202589	KE	1
Swanton Farm Wood	TR202590	KE	2
Elbridge	TR205599	KE	2
Hersden Woods	TR205628	KE	1
Hersden Colliery Tip	TR209618	KE	1
Walderchain Wood	TR210482	KE	2
Water Tower Woods, Adisham	TR210534	KE	3
Lee Priory	TR215567	KE	0
Oxenden - Ileden Woods	TR218523	KE	15
Reinden Wood	TR219415	KE	0
Denton-Wootton area	TR220450	KE	20
Bramling	TR223566	KE	0
Hawkinge	TR224410	KE	1
Aylesham	TR230525	KE	2

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SITE	GRID REF	COUNTY	MAX COUNT
Bossington	TR230555	KE	0
Woolage Green	TR235495	KE	3
Womenswold-Nonington	TR240508	KE	7
Folkestone Warren	TR245377	KE	4
Lydden-Swingfield area	TR247440	KE	15
Shepherdwell area	TR250485	KE	2
Goodnestone-Bonnington	TR253546	KE	1
Lord's Wood	TR265441	KE	0
Knowlton-Shingleton-Kelk Hill	TR280530	KE	1
Temple Ewell-Crabble	TR290440	KE	5
Nunnery Haye Plantation	TR308492	KE	1
Updown	TR316534	KE	1
Ham Fen	TR335549	KE	2

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SITE	GRID	COUNTY	MALES
Crockham Hill Common	TQ443517	KE	0
Hever Station	TQ466445	KE	0
Hever Golf Course	TQ482462	KE	2
Tangle Wood	TQ484448	KE	2
Bough Beech	TQ484469	KE	0
ParkWood	TQ487448	KE	1
Chevening	TQ489575	KE	0
Walnut Tree Cross	TQ492428	KE	2
Moor Wood	TQ492446	KE	1
Stock Wood	TQ494438	KE	3
Bough Beech Reservoir	TQ498487	KE	0
Scallops Farm	TQ499508	KE	2
Kilnhouse Farm	TQ500483	KE	1
Russells Wood	TQ504434	KE	0
Courtlands Wood	TQ505425	KE	0
Lew Cross Farm	TQ505438	KE	1
Andrew's Wood	TQ506614	KE	1
Weller's Town	TQ509447	KE	1
South Park Wood	TQ515425	KE	0
Lower Beechen Wood	TQ515640	KE	0
Grove	TQ520456	KE	0
Penshurst	TQ531441	KE	0
Park Plantation	TQ535457	KE	0
Farningham Wood	TQ540680	KE	0
Avery's Wood	TQ542409	KE	0
Rough Ten Acres	TQ542456	KE	0
Leigh	TQ545475	KE	0
Knole Park	TQ548546	KE	1
Bank Wood	TQ550510	KE	0
Brooklands Lake	TQ554758	KE	1
Nr Eynsford	TQ555645	KE	0
Nr Eynsford	TQ555655	KE	0
Nr Farningham	TQ555665	KE	0
Nr Farningham	TQ555675	KE	0
Shadwell Wood	TQ558410	KE	0

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SITE	GRID	COUNTY	MALES
Hayesden Water	TQ558458	KE	1
Rusthall Common	TQ563394	KE	0
Nr West Kingsdown	TQ565645	KE	0
Gorse Hill	TQ565655	KE	0
Nr Farningham	TQ565665	KE	0
Mussenden/Eglantine Farm	TQ565675	KE	0
Hurst Wood	TQ568405	KE	0
Tunbridge Wells Common	TQ579390	KE	0
Fairlawne Park	TQ591534	KE	1
Barnets Wood LNR	TQ595423	KE	0
Cannon Bridge	TQ599469	KE	1
Nr Eldridge's Lock, Hadlow Place Farm	TQ618471	KE	1
Brakebank Wood	TQ619439	KE	1
Roughs, Hadlow Place Farm	TQ620470	KE	3
Nr Porter's Lock, Hadlow Place Farm	TQ624470	KE	1
Shipbourne Forest	TQ628558	KE	2
Keeper's Cottage, Hurst Wood	TQ630545	KE	1
Mereworth Woods	TQ632548	KE	1
Shipbourne Forest/Mereworth Woods	TQ632557	KE	1
Ottershaw, Hadlow Place Farm	TQ636472	KE	1
The Common, Hadlow	TQ637509	KE	1
Nr Ottershaw, Hadlow Place Farm	TQ638471	KE	1
Nr Hartlake Bridge, Hadlow Place Farm	TQ639466	KE	3
Cuckoo Farm	TQ645491	KE	2
Brenchley Wood	TQ648420	KE	0
Mereworth	TQ653556	KE	2
Whitehorse Wood	TQ655620	KE	0
New Made Hill Wood	TQ665555	KE	0
Roydon Hall	TQ667518	KE	1
St Leonards Wood	TQ668558	KE	0
Branbridges	TQ671483	KE	1
Crookhorn Wood	TQ675625	KE	0

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SITE	GRID	COUNTY	MALES
Leybourne Wood	TQ684585	KE	1
Beltring	TQ685483	KE	14
Yalding Fen	TQ686494	KE	4
West Malling Air Station	TQ687550	KE	2
Old Airfield Road	TQ689552	KE	0
Paddlesworth Pit	TQ691621	KE	0
Bewlbridge	TQ692346	KE	1
Lees Pit, Upper Halling	TQ692637	KE	1
Castle Lake, Leybourne	TQ693590	KE	1
Mill Hill Wood	TQ700675	KE	0
Motel E of Stonecrouch	TQ703327	KE	1
Oaken Wood	TQ705550	KE	2
Broad Oak Wood	TQ705687	KE	0
Shearnford Wood	TQ706347	KE	0
Beckley Hill	TQ707741	KE	4
Claygate	TQ710450	KE	1
Holborough Marshes NR	TQ710628	KE	7
Woldham Marsh	TQ710632	KE	1
Higham Canal	TQ710733	KE	9
Cliffe Fort	TQ710768	KE	2
Capel Cross	TQ713397	KE	2
New Hythe GP/Larkfield Trading Est.	TQ713603	KE	23
Bedgebury Forest	TQ714330	KE	0
Combwell	TQ715337	KE	1
Oaken Wood	TQ71-55-	KE	0
Court Lodge Farm	TQ715538	KE	0
Burham Marsh	TQ715624	KE	5
Lower Higham	TQ717729	KE	1
Peter'sPit, Wouldham	TQ718631	KE	4
Ravens Knowle	TQ718638	KE	1
Blackbush Wood	TQ719354	KE	1
Ditton	TQ719596	KE	7
Eccles Island area	TQ719611	KE	28
Beresford	TQ722361	KE	0
Bedgebury Park Great Lake	TQ723351	KE	2

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SITE	GRID	COUNTY	MALES
Bedgebury Forest, Park House	TQ724338	KE	1
Bushey Wood area	TQ724601	KE	7
Wouldham Common	TQ724632	KE	2
Forge Farm	TQ725355	KE	2
Nr Ivy Cottage, North Downs Way	TQ726650	KE	1
Burham	TQ727628	KE	3
Barn Hill Wood	TQ728513	KE	0
Eccles Reservoir	TQ728612	KE	11
Cliffe Pools	TQ728757	KE	7
Borstal	TQ730670	KE	0
Boggy Wood	TQ731297	KE	0
Wet Wood	TQ731358	KE	1
Three Chimneys Bank	TQ732347	KE	1
Forge Farm (disused railway)	TQ732352	KE	4
Amsbury Wood	TQ734508	KE	0
Little Culland	TQ734614	KE	4
Hedginford Wood	TQ741341	KE	0
Blackbush Wood	TQ741360	KE	0
Bingham Roughs (Chattenden Wds)	TQ743730	KE	2
Siseley Farm Woods	TQ745315	KE	1
Manor Farm	TQ746701	KE	1
Furnace Wood	TQ747353	KE	9
Blackbush Wood	TQ748353	KE	0
Old Park Wood	TQ748386	KE	1
Mab's Wood	TQ748411	KE	1
Marden	TQ748447	KE	1
Ash Wood (Chattenden Woods)	TQ749728	KE	1
Henshill House	TQ750302	KE	0
Loose Valley	TQ750530	KE	0
Slip Mill	TQ753315	KE	2
Frith Wood (Bluebell Hill)	TQ753616	KE	1
Berry Court Wood (Chattenden Wds)	TQ754738	KE	6
Chattenden	TQ755717	KE	1
The Moor	TQ756299	KE	0
Round Green (Sping Wood)	TQ756392	KE	2

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SITE	GRID	COUNTY	MALES
White Horse Stone Woods/Bluebell Hill	TQ756607	KE	0
Round Top Wood	TQ756728	KE	1
Upper Upnor	TQ757704	KE	3
Upnor Road	TQ757708	KE	1
Lodge Hill Camp	TQ757732	KE	8
Cockshot	TQ758300	KE	0
Beacon Hill	TQ758717	KE	2
Rough Shaw	TQ758742	KE	4
Lower Upnor	TQ759712	KE	1
Angley Wood	TQ760358	KE	0
Foxridge Wood	TQ760395	KE	0
Hartley	TQ761345	KE	2
Dunley Wood	TQ761381	KE	0
Mount Pleasant	TQ761753	KE	1
Springfield Cottage	TQ762446	KE	1
Snow Hill	TQ765391	KE	0
Lodge Hill Wood	TQ765744	KE	7
Park Wood	TQ76-58-	KE	0
Boarley Warren	TQ76-59-	KE	0
Brick Kiln Wood	TQ767491	KE	1
Loddington Farm	TQ767507	KE	1
Beechen Bank	TQ768622	KE	0
Ocley	TQ769311	KE	1
Darnold Wood	TQ769492	KE	1
Wybornes Wood	TQ770746	KE	2
Swattenden Farm	TQ771349	KE	1
Gun Green	TQ773308	KE	1
Hartridge Manor Cottages	TQ774395	KE	0
Deangate Wood/depot	TQ774738	KE	7
Capstone Farm CP	TQ777652	KE	0
Nettershall Farm	TQ778328	KE	0
Aydhurst Farm	TQ779433	KE	4
Woodsden Farm	TQ781314	KE	1
Great Ninevah	TQ781321	KE	0
Baker's Cross	TQ781359	KE	1

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SITE	GRID	COUNTY	MALES
Hinksden Bridge	TQ782309	KE	1
Clapper Lane, Staplehurst	TQ782457	KE	4
Little Ninevah	TQ784332	KE	0
Bromley Barn	TQ785412	KE	1
Iden Bridge	TQ786416	KE	1
Holman's Wood	TQ787290	KE	1
Grove Wood	TQ787650	KE	0
Northward Hill	TQ787764	KE	11
Farthing Wood	TQ788637	KE	0
Nr Lake Chad, Nr Sissinghurst	TQ790365	KE	1
Twydall	TQ790670	KE	0
Gillingham Marshes	TQ790690	KE	0
Abbot's Court	TQ790720	KE	1
Sissinghurst	TQ791373	KE	0
Sharnal Street	TQ791741	KE	1
Home Wood	TQ792396	KE	0
Lake Chad, Nr Sissinghurst	TQ793368	KE	1
Iden Grange	TQ793415	KE	1
Scullgate Farm	TQ794328	KE	1
Monkdown Wood	TQ794609	KE	0
Folly Farm	TQ795424	KE	3
Crabtree Farm	TQ796341	KE	1
Grandshore Lane, Frittenden	TQ797404	KE	2
Hawkenbury Bridge	TQ797442	KE	1
Park Wood, Broadlake	TQ802422	KE	2
Leggs Wood	TQ804405	KE	0
Hawkenbury	TQ805442	KE	2
Kingsnorth, Medway	TQ806727	KE	7
Springhill Farm, Benenden	TQ808298	KE	1
Grayland Wood	TQ808401	KE	2
Thurnham Castle	TQ808583	KE	1
White Hall Farm	TQ808737	KE	1
Moor Wood, Iden Green	TQ809318	KE	1
Tottenden Wood	TQ809342	KE	1
Dig Dog Lane, Frittenden	TQ811392	KE	5
Fair Oaks Wood	TQ811455	KE	0

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SITE	GRID	COUNTY	MALES
Walkhurst Farm, Beneden	TQ813335	KE	1
Walkhurst Farm, Benenden	TQ813335	KE	4
Copden Wood	TQ816375	KE	1
Bridge Farm	TQ816558	KE	1
Coggers	TQ818337	KE	1
Beaux Aires Wood	TQ818611	KE	3
Stoke Road, Upper Stoke	TQ818741	KE	1
Goddard's Green	TQ819343	KE	3
Floodgate Wood	TQ819379	KE	1
Hammer Stream	TQ819383	KE	4
Bettenham Manor	TQ819389	KE	3
Howe Court	TQ819561	KE	1
Dray Corner Road	TQ820451	KE	0
Roger's Wood	TQ823372	KE	2
Snarkhurst Wood	TQ823558	KE	2
Broad Street	TQ824563	KE	3
Lamberden	TQ825277	KE	1
Green Lane, Beneden	TQ825325	KE	2
Redhouse Farm, Goddard's Green	TQ825347	KE	2
Three Chimneys	TQ825386	KE	1
Mill Bank	TQ826443	KE	2
Gillingham CP	TQ827764	KE	2
Timber Wood	TQ828351	KE	3
Mockbeggar Lane	TQ832358	KE	1
Hemstead Forest	TQ833363	KE	7
Stone Court Farm	TQ833411	KE	0
Stricketts Garden	TQ833554	KE	2
New House Fgarm	TQ838439	KE	1
Stickfast Lane	TQ838475	KE	1
Brick Kiln Lane	TQ838480	KE	1
Smokes Wood	TQ841575	KE	2
Coombe Wood	TQ843543	KE	1
Leeds Castle	TQ844530	KE	1
Goldwell Wood	TQ852363	KE	1
Woolpack Corner	TQ852373	KE	1
Waterlane	TQ852514	KE	1

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SITE	GRID	COUNTY	MALES
Gorham Wood	TQ854584	KE	1
Windmill Hill	TQ856494	KE	2
High Cross Wood	TQ867438	KE	0
Pott's Wood	TQ871345	KE	2
Sandway Road	TQ878517	KE	1
Heggs Hill	TQ879436	KE	1
Morghew	TQ880325	KE	3
High Wood	TQ884586	KE	2
Tenterden	TQ885330	KE	2
Broad Tenterden	TQ886319	KE	1
Stedehill Wood	TQ888545	KE	1
Huson Farm, Tenterden	TQ889331	KE	1
Coever Farm, St Michaels	TQ892354	KE	2
Belgar Farm, Tenterden	TQ894331	KE	2
Comb Wood	TQ895282	KE	1
Foxden Wood	TQ896484	KE	1
Knock Wood	TQ899354	KE	4
South of Haynes Farm	TQ900322	KE	1
Leigh Green	TQ901327	KE	1
Firth Wood	TQ901449	KE	1
High Halden (village church)	TQ902373	KE	1
Highsted	TQ905617	KE	1
Curteis Wood	TQ907288	KE	0
Sunnydale	TQ908375	KE	1
Rushgreen Wood	TQ909288	KE	4
Dering Wood	TQ909435	KE	15
Brissenden Farm	TQ910347	KE	3
Nr Huntbourne Farm	TQ912352	KE	1
Stemps Wood	TQ913282	KE	0
Wichling Wood	TQ914558	KE	1
Mintching Wood	TQ914588	KE	1
Odiam Wood, Bethersden	TQ915406	KE	0
Birch Wood, Bethersden	TQ916404	KE	0
Lords Wood	TQ920275	KE	0
Lamberden Wood, Bethersden	TQ920405	KE	0
Iden Plantation	TQ921472	KE	0

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SITE	GRID	COUNTY	MALES
Reading Street	TQ923303	KE	1
Twelve Acre Wood	TQ924276	KE	0
Haycross Wood	TQ924346	KE	2
Okenpole Wood	TQ927542	KE	2
New Bridge	TQ928321	KE	1
West End	TQ928573	KE	1
east of Brook Wood	TQ929368	KE	1
Nettlepole Lane/Cottage Little Chart	TQ930465	KE	0
Murston Pits	TQ930650	KE	11
Grove Farm	TQ934363	KE	2
Otterden Plantation	TQ934542	KE	2
Redhill Bridge	TQ936300	KE	1
The Forest	TQ938429	KE	21
Butlers Farm	TQ939359	KE	1
Hassock Wood, Little Chart	TQ939461	KE	0
Sparks Wood	TQ942547	KE	1
Otterden Place	TQ944541	KE	1
Kite Hill Wood	TQ945523	KE	1
Benacre Wood	TQ946443	KE	3
Cuckoo Wood	TQ946536	KE	4
Ruck Wood	TQ949384	KE	1
Harlackenden Farm	TQ951382	KE	1
March Wood	TQ951432	KE	6
Rooting Alders	TQ954450	KE	0
Silcock's Wood	TQ955321	KE	2
Cole Wood	TQ955351	KE	3
Newlands Wood	TQ958432	KE	8
Spuckles Wood	TQ959526	KE	1
Beacon Farm (West of)	TQ960350	KE	1
Butness Wood	TQ961313	KE	1
Southroad Wood	TQ961337	KE	1
Hunt's Wood	TQ962340	KE	1
Great Heron Wood	TQ963319	KE	2
Pond Wood	TQ964324	KE	2
Whitepost Wood	TQ964382	KE	1

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SITE	GRID	COUNTY	MALES
Great Spelty Wood	TQ965535	KE	1
Denne's Wood	TQ966338	KE	2
near Cherry Garden Farm	TQ966387	KE	1
Worten Wood	TQ966435	KE	1
Coldblow Wood	TQ968352	KE	2
Colebran Wood	TQ968375	KE	1
Longbeech South	TQ968501	KE	1
Hurst Wood	TQ969514	KE	2
Barncote	TQ971319	KE	1
Sheep Wash	TQ973309	KE	3
Kiln Wood/Penfold Wood	TQ973336	KE	3
Codling Wood	TQ974526	KE	1
Higham Farm	TQ976316	KE	1
Monkery Farm	TQ977515	KE	3
Stubyer's Wood	TQ978487	KE	2
Barn Wood	TQ978567	KE	5
Bayland Wood	TQ980363	KE	4
North of Stubb's Cross	TQ980393	KE	1
Stubb's Cross	TQ982386	KE	1
Belmont Park	TQ982568	KE	3
Coxland Wood	TQ983380	KE	1
Faggs Wood	TQ987343	KE	30
Longbeech Wood	TQ987504	KE	1
Coxett Wood	TQ987603	KE	2
east of Coxland Wood	TQ988381	KE	1
Dean Court	TQ988488	KE	1
Smallman's Wood	TQ989336	KE	1
Longrope Wood	TQ989352	KE	15
Churchman's Farm	TQ989581	KE	1
Warehorne	TQ991320	KE	2
Birchett Wood	TQ991357	KE	9
Burnt Oak Wood	TQ992347	KE	1
Judd's Wood	TQ993604	KE	1
Royal Military Canal	TQ994321	KE	4
Wilderton Wood	TQ994575	KE	6
Wood NW of Hamstreet	TQ998338	KE	1

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Soapers Wood	TQ998350	KE	1
Uplees Gravel Pits	TQ998651	KE	0
Huntsbourne Wood	TQ999342	KE	2
Capel Wood	TQ999359	KE	2
Soaper's Wood	TR001354	KE	1
Chequertree Wood	TR001360	KE	1
Badgin Wood	TR001579	KE	1
Bysing Wood	TR002622	KE	2
Ashford Warren	TR003443	KE	2
Packing Wood	TR007348	KE	1
Eastwell Manor	TR010470	KE	0
Harty	TR012661	KE	1
Bourne Wood	TR013343	KE	2
Weston's Wood	TR025341	KE	6
Norland/Dicker's Wood	TR025352	KE	10
Hodge's Wood	TR026352	KE	1
Pierland Wood	TR027346	KE	7
Stocking Wood	TR027554	KE	1
Molash	TR030530	KE	0
Stocking/Fridhill Woods	TR030550	KE	0
King's Wood, Nr Challock	TR033509	KE	1
Priory Wood	TR035355	KE	1
Willesborough Lees	TR035425	KE	0
Blackwall Road	TR035435	KE	0
Stour Valley Way	TR035445	KE	0
King's Wood	TR041513	KE	7
Flowergarden Wood	TR045425	KE	0
Sales Wood	TR045435	KE	0
Raymond Court Cottages	TR045445	KE	0
Soakham Downs	TR048497	KE	1
Bourne Tap Plantation	TR049364	KE	1
Romney Marsh	TR050250	KE	0
Shottenden	TR050550	KE	0
Selling	TR050570	KE	0
Boughton Under Blean	TR050590	KE	0
Vale Farm	TR051361	KE	1

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Boarfield Wood	TR053428	KE	3
Bockhanger & Springs Wood	TR055406	KE	0
Moneytree Farm	TR055435	KE	0
Appleby Farm	TR055445	KE	0
Kemsdale House	TR056605	KE	0
Quarrington Wood	TR058417	KE	0
Wey Street Farm	TR058615	KE	3
Felborough Wood	TR061521	KE	1
Nackholt Wood, Brook	TR064425	KE	1
Whites Wood	TR065351	KE	2
Winterbourne Quarry	TR065573	KE	1
Hickmans Green	TR065586	KE	3
S of Hernhill	TR065605	KE	0
Godmersham	TR066505	KE	1
Barrack Wood	TR067404	KE	0
Temple Hill	TR067511	KE	1
Joan Beech Wood	TR068563	KE	1
Brook Wood	TR069439	KE	5
Purr Wood	TR071501	KE	1
Nr Godmersham	TR072509	KE	2
Warren Wood	TR073483	KE	1
Backhouse Wood	TR074373	KE	1
Pope Street Farm	TR075516	KE	1
Collyerhill Wood	TR076465	KE	0
Marriage Farm	TR077473	KE	0
Dawes Road	TR077601	KE	1
Chilmans Downs	TR078524	KE	1
Chilham Long Barrow	TR078532	KE	1
Blue Downs	TR080508	KE	1
Nr Pope Street Farm	TR080516	KE	1
Nr Church Wood	TR080525	KE	1
South Bishops Den	TR080577	KE	4
Nr East Stour Farm	TR081522	KE	1
Fishponds Farm	TR082445	KE	0
Bower Wood	TR082562	KE	5
Woodsdale Farm	TR083512	KE	1

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Nr East Stour	TR083520	KE	1
Old Wives Lees	TR083543	KE	3
Bossenden Wood	TR084596	KE	2
Nr Brabourne	TR085425	KE	0
Bulltown Corner	TR085435	KE	0
Hurst Wood	TR085465	KE	0
Pope Street	TR085518	KE	2
Courtenay Farm	TR085599	KE	1
North Downs Way	TR086557	KE	1
Towns Wood	TR088475	KE	0
Stour Valley Walk	TR088517	KE	1
Nr Nickle Farm	TR088560	KE	1
Eggringe Wood	TR089509	KE	1
Great Stour	TR089537	KE	5
Blean Wood	TR089615	KE	1
Fishpond Wood	TR090586	KE	1
Bossenden Farm	TR090592	KE	2
Bossenden Wood, Church Wood	TR091605	KE	1
Mystole House	TR092536	KE	1
Denstead Wood	TR093573	KE	8
Crooked Oak	TR093597	KE	1
Nr Crooked Oak	TR093599	KE	3
Thruxted Mill, Eggringe Wood	TR094508	KE	2
Coombe Wood, Yorkletts	TR094630	KE	4
Nr Brabourne	TR095425	KE	0
Nr Hastingleigh	TR095435	KE	0
Hastingleigh	TR095445	KE	0
Nr Hastingleigh	TR095455	KE	0
Hassell Street	TR095465	KE	0
Ashenfield Farm	TR095475	KE	0
Crundale	TR095485	KE	0
Sole Street, Crundale	TR095495	KE	0
Stumps Farm	TR095583	KE	1
Seasalter Dairy Farm, Yorkletts	TR095639	KE	1
Mystole Park	TR096534	KE	1
Yorkletts	TR096635	KE	6

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Nr Underdown	TR097530	KE	1
Hunstead Wood	TR097567	KE	4
Manson Wood	TR099591	KE	5
Grimshill Wood	TR099598	KE	1
North Bishopden Wood, Church Wood	TR099601	KE	3
Nr Seasalter Dairy Farm, Yorkletts	TR099640	KE	1
Hillhurst Wood	TR101345	KE	0
Thruxted	TR102534	KE	0
Grimshill Wood, Church Wood	TR102597	KE	1
Harringe Brooks Wood	TR103361	KE	0
Denge Wood	TR103511	KE	7
Long Wood	TR105424	KE	0
Bonzai Bank KT Reserve, Garlinge Green	TR106516	KE	1
Little Den Lees, Grimshill Wood, Church Wood	TR106609	KE	1
Carlton, Nr Oakapple Cottage	TR106630	KE	1
Nr Elmcroft, Nr Seasalter	TR106638	KE	1
Tong Wood	TR107621	KE	1
Pean Hill (Eric Bradford's Reserve)	TR107631	KE	1
Horton Priory	TR109392	KE	0
Bigbury Road	TR109572	KE	1
Ellenden Wood	TR109623	KE	5
Dunstan's Wood	TR111506	KE	1
Willows Wood, Church Wood	TR111588	KE	1
Duncan Down	TR111651	KE	2
Mincing Wood	TR112613	KE	1
Mounts Wood	TR113511	KE	2
Hempshall Wood	TR115623	KE	2
Nr Seeshill Farm	TR116639	KE	1
Stutfall Castle	TR117343	KE	1
Lympne Park Wood	TR119343	KE	1
Milton Bridge	TR120563	KE	1
Church Wood	TR123595	KE	27
near Luckett's Farm	TR125602	KE	1

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Yockletts Banks NR	TR126474	KE	3
Larkeyvalley Wood	TR127557	KE	4
Palmarsh Gravel Pit	TR128325	KE	1
Stowting Rough	TR128432	KE	0
The Grove	TR129588	KE	2
Blean	TR129603	KE	1
Folks Wood	TR132356	KE	2
Little Iffin Wood	TR132535	KE	2
Little Wadden Hall	TR134489	KE	2
Waddenhall Wood	TR134495	KE	0
Hemsted, West Wood	TR135417	KE	3
Iffin Wood	TR135538	KE	2
West Wood	TR136431	KE	6
Six Mile, West Wood	TR136442	KE	2
Gypsy Corner, Clowes Wood	TR137628	KE	2
Clowes Wood	TR138626	KE	11
University of Kent	TR139601	KE	3
Brockhill/Sandling Park area	TR140360	KE	0
Iffin Lane	TR140539	KE	0
Bingley's Island	TR142575	KE	1
Upper Hardres Wood	TR143495	KE	0
Chestfield Golf Club	TR143647	KE	2
Thornden Wood/West Blean Woods	TR144628	KE	2
Bartholomew's Wood (Postling Wents)	TR145379	KE	0
Lower Hardres	TR145525	KE	0
Lower Hardres	TR145545	KE	0
Timber Wood, West Blean Woods	TR145617	KE	1
Thornden Wood	TR145634	KE	1
Thornden Meadow NR	TR146646	KE	1
Park Wood	TR148448	KE	6
Honey Wood	TR148613	KE	3
Petham & Chartham Downs	TR1--5--	KE	0
Hythe Ranges	TR150340	KE	4
Stockfield Wood	TR152523	KE	1

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Stockfield Wood	TR152523	KE	0
Alcroft Grange, Little Hall Wood	TR152608	KE	1
Lower Hardres	TR155535	KE	0
Nackington	TR155545	KE	0
Bleanbottom Shaw, West Blean Woods	TR158651	KE	2
Atchester Wood	TR159481	KE	0
Saltwood-Etchinghill	TR160370	KE	0
Elhampark Wood	TR160454	KE	0
Whitehill Wood	TR160535	KE	0
River Stour, Canterbury	TR161594	KE	1
Tolsford Hill	TR162389	KE	0
Nr Blaxland Farm, West Blean Woods	TR162635	KE	2
Belce Wood, West Blean Woods	TR164632	KE	1
Whiddet's Wood, West Blean Woods	TR166654	KE	2
Bleangate, West Blean Woods	TR167645	KE	1
Madams Wood	TR169469	KE	0
Nr Grove Farm, West Blean Woods	TR171653	KE	1
Covet Wood (Marley Lane)	TR173495	KE	1
Gorsley Wood	TR173513	KE	3
Herne Common, West Blean Woods	TR173652	KE	1
Asholt or Ashley Woods	TR174384	KE	0
Lenhall Farm	TR174526	KE	1
West Blean Woods	TR174632	KE	19
Fox & Hounds Inn, West Blean Woods	TR174643	KE	1
Herne Common (Child's Forstal Wood)	TR174644	KE	0
Herne Common (Underdown Wood)	TR175646	KE	1
Canterbury Old Park	TR176589	KE	29
Covert Wood/Dane Farm	TR179485	KE	1
Fordwich/Sturry	TR179602	KE	2

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Herne (Curtis Wood LNR)	TR179653	KE	1
Colehill Wood	TR180490	KE	0
Moat Rough	TR181588	KE	1
Marley Wood	TR183504	KE	2
Paraker Wood (Seabrook Valley)	TR185357	KE	0
Charlton Wood	TR187508	KE	2
Calfs Wood, East Blean Wood NR	TR188634	KE	1
Bishopsbourne area	TR190520	KE	0
Bridge	TR190546	KE	0
Jacob's Close	TR191578	KE	2
Collardshill Wood	TR192482	KE	0
Long Ruffett Wood	TR192498	KE	4
Patrixbourne	TR192548	KE	2
Westbere Lake	TR192608	KE	2
Court Wood	TR193577	KE	3
Westbere village	TR195610	KE	1
East Blean Wood NR	TR195643	KE	13
Pine Wood	TR196580	KE	1
Oldridge Wood/Down Wood	TR197587	KE	19
Trenleypark Wood	TR198593	KE	4
Westbere Marshes	TR198607	KE	3
Clip Gate Wood	TR203475	KE	1
Swanton Lane	TR203591	KE	2
Park Rough	TR204627	KE	1
Cherry Garden Hill (=Biggins Wood area)	TR205379	KE	0
Walderchain Wood	TR205481	KE	2
Garrington	TR205565	KE	0
Elbridge, Stodmarsh	TR207599	KE	5
Hersden	TR208615	KE	1
Walk Wood, Ileden	TR209521	KE	0
Reinden Wood, Swingfield	TR210410	KE	0
Woodlands Wood/Watertower	TR210534	KE	0
Biggin Wood	TR212452	KE	1
Canterbury Industrial Park (Hersden Tip)	TR214622	KE	2

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Stony Lane Wood	TR215443	KE	2
Shelving Wood	TR215656	KE	0
Highstead	TR215666	KE	2
Woodlands Wood	TR219523	KE	3
Collard's Lagoon	TR220618	KE	6
Stodmarsh NNR	TR221611	KE	15
Bramling Gap	TR225553	KE	0
Bramling	TR225561	KE	0
Womenswold area	TR227506	KE	0
Sarre Penn (Hersden-Upstreet)	TR231646	KE	4
Seaton Lakes	TR233589	KE	2
Nr Upstreet	TR233631	KE	3
Pickleden Wood	TR234464	KE	3
Aylesham area	TR236524	KE	0
Britton Farm	TR236582	KE	2
Wenderton Hoath	TR237596	KE	0
Grove Ferry	TR238631	KE	1
Copt Point	TR243365	KE	0
Folkestone Warren	TR245377	KE	0
Cony & Oxney Wood	TR245502	KE	3
Three Barrows Down	TR250500	KE	0
Marleybrooks, Little Stour Valley (Preston-Stourmouth)	TR250620	KE	1
Ruberries Wood	TR251502	KE	0
Shave Wood	TR252452	KE	2
Nightingale Lane, Nonington	TR254509	KE	0
Goodnestone area	TR255546	KE	0
Little Stour Valley (Preston-Stourmouth)	TR255630	KE	6
Nonington area	TR257521	KE	0
Sladden Wood	TR258428	KE	1
Bushy Rough, Goodnestone	TR258559	KE	0
Stafflands Wood	TR260496	KE	1
Soles Down Plantation	TR260501	KE	0
Fredville Park	TR260510	KE	0
Sarre Marshes	TR260646	KE	3

BTO data - Nightingale Survey Records for Kent 1999

SITE	GRID	COUNTY	MALES
Limekiln Plantation	TR262507	KE	1
Lord's Wood	TR264440	KE	3
Golgotha	TR264488	KE	1
Crixhall Rough, Goodnestone	TR265553	KE	0
East Stourmouth/Plucks Gutter	TR267628	KE	1
Wolverton area	TR270430	KE	0
Chillenden area	TR270537	KE	0
Monkton Marshes	TR273646	KE	4
Knowlton Park	TR275535	KE	0
Kelk Hill, Shingleton Farm	TR280521	KE	2
The Downs, Shingleton Farm	TR285516	KE	1
Kearsney/River/Crabble	TR290430	KE	0
Whitfield/Temple Ewell area	TR290450	KE	0
Tilmanstone	TR295515	KE	0
Ringleton, Woodnesborough	TR298572	KE	0
Eastling Wood	TR303477	KE	1
Minster, Nr Ramsgate	TR304643	KE	0
Minster Railway Station	TR312640	KE	1
Willow Wood	TR313503	KE	1
Minster, Nr Ramsgate	TR316640	KE	0
Reedbrook Wood, Ham Brooks	TR326556	KE	2
Richborough Power Station	TR326625	KE	3
Weatherlees	TR328626	KE	12
Pegwell CP/Stonelees	TR339628	KE	1
Kan Doo Timber Yard & Tivoli Ind Estate, Margate	TR352699	KE	0
Cottington Tip	TR355539	KE	0
Northdown Park	TR380703	KE	0
King George VI Park & Ramsgate Cemetary	TR393660	KE	0
Joss Bay/Port Regis/North Foreland Golf Course	TR396703	KE	0
St Stephen's College, Broadstairs	TR397693	KE	0

Nightingale Assessment SSSI records Chattenden 1980

Location	Location - TQ	Males	Sites	Total Kent Records 1980	No of sites recorded 1980	1980 sites where no males recorded - '0'	1980 - total number of occupied sites
Great Chattenden Woods	TQ746732	8					
Lodge Hill Wood	TQ762743	0					
Lodge Hill Wood	TQ762743	0					
Deangate Wood	TQ770735	0					
Wybornes Wood	TQ770744	0					
Wybornes Wood	TQ770745	0					
	Total	**8 singing males**	**6 sites**	**935 singing males**	**328 sites**	**95 sites**	**233 sites**

Nightingale Assessment SSSI records Chattenden 1999

Location	Location TQ	Males	Sites	Total Kent Records 1999	No of sites recorded 1999	1999 sites where no males recorded - '0'	1999 - total number of occupied sites
Deangate Wood	TQ774738	7					
Wybornes Wood	TQ770746	2					
Lodge Hill Wood	TQ765744	7					
Mount Pleasant	TQ761753	1					
Beacon Hill	TQ758717	2					
Rough Shaw	TQ758742	4					
Round Top Wood	TQ756728	1					
Berry Court Wood (Chattenden Woods)	TQ754738	6					
Ash Wood (Chattenden Woods)	TQ749728	1					
Bingham Rough (Chattenden Woods)	TQ743730	2					
	Total	**33 singing males**	**10 sites**	**1209 singing males**	**653 sites**	**194 sites**	**459 sites**

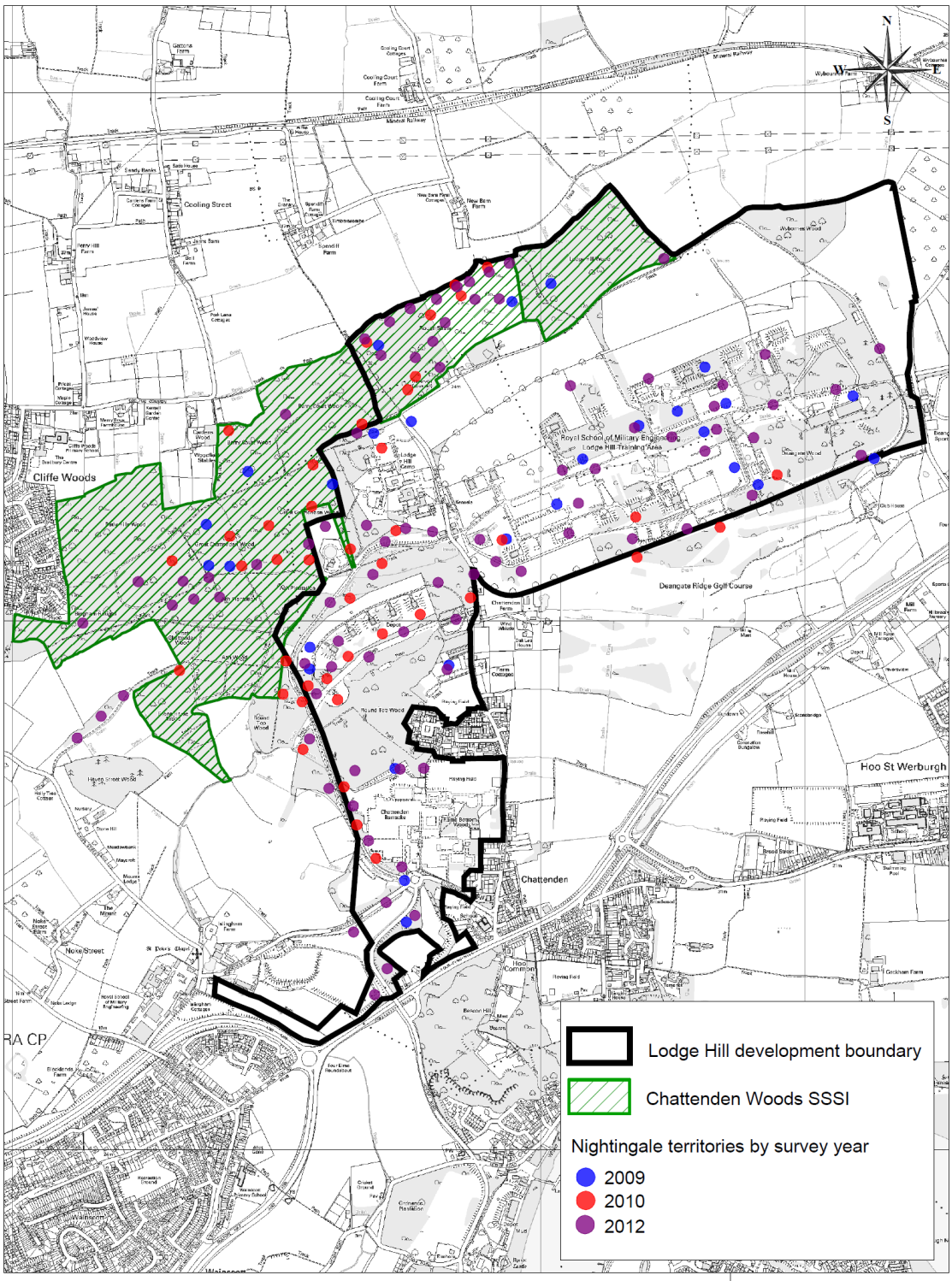
Nightingale Assessment SSSI records Chattenden 2009		**Males**
Thomson Ecology		
Chattenden SSSI		6
Lodge Hill Development including part of Chattenden SSSI		22
Lodge Hill/Chattenden 2009	**Total no**	**28 singing males**

Nightingale Assessment SSSI records Chattenden 2010		
Kent Ornithological Society		
Chattenden SSSI		12
Lodge Hill Development including part of Chattenden SSSI		31
Lodge Hill/Chattenden 2010	**Total no**	**43 singing males**

Nightingale Assessment SSSI records Chattenden 2012		
BTO		
Chattenden SSSI		14
Lodge Hill Development including part of Chattenden SSSI		69
Lodge Hill/Chattenden 2012	**Total no**	**83 singing males**

Appendix 3: Maps

Figure 2



Lodge Hill: Nightingale territories by survey year

Medway Council
Serving You

Scale:1:20000 17/07/12

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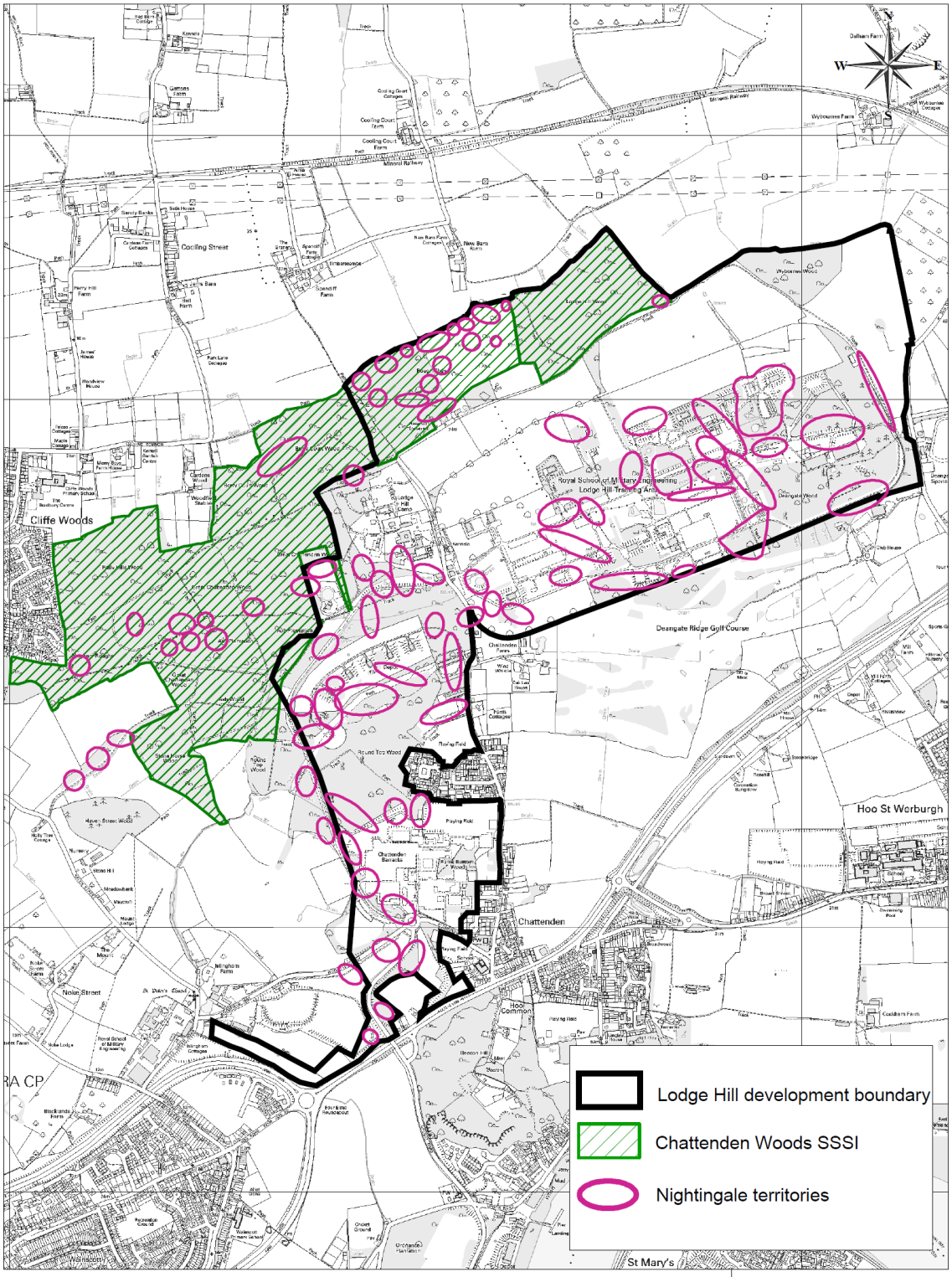
Figure 3



Lodge Hill - BTO Nightingale Survey 2012

Medway Council
Serving You

Scale:1:20000 12/07/12

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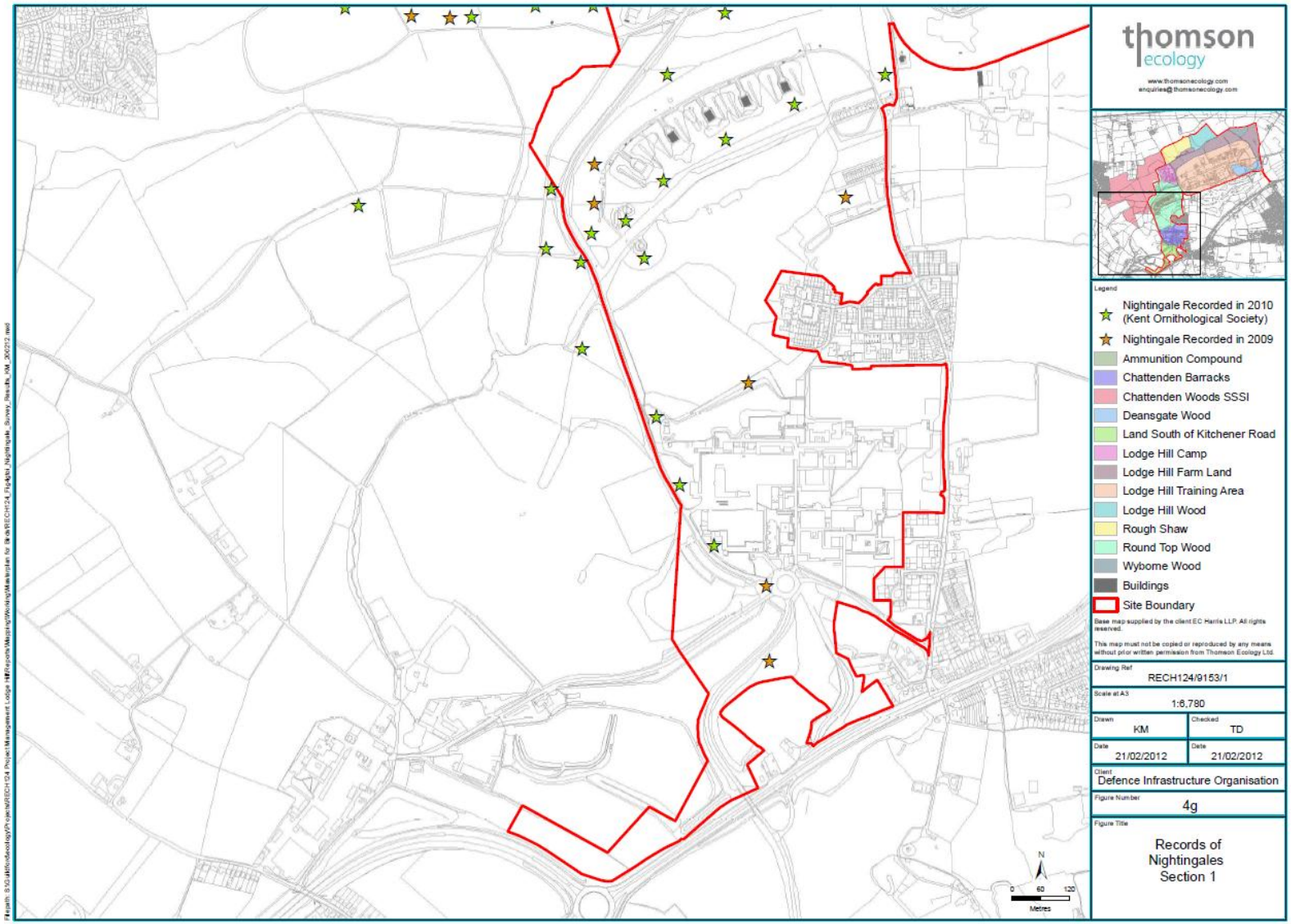
Figure 4


thomson ecology
www.thomsonecology.com
enquiries@thomsonecology.com
Legend
Nightingale Recorded in 2010 (Kent Ornithological Society)
Nightingale Recorded in 2009
Ammunition Compound
Chattenden Barracks
Chattenden Woods SSSI
Deansgate Wood
Land South of Kitchener Road
Lodge Hill Camp
Lodge Hill Farm Land
Lodge Hill Training Area
Lodge Hill Wood
Rough Shaw
Round Top Wood
Wyborne Wood
Buildings
Site Boundary
Base map supplied by the client EC Harris LLP. All rights reserved.
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Drawing Ref
RECH124/9153/1
Scale at A3
1:6,780
Drawn
KM
Checked
TD
Date
21/02/2012
Date
21/02/2012
Client
Defence Infrastructure Organisation
Figure Number
4g
Figure Title
Records of Nightingales Section 1
N
0 60 120
Metres

Figure 4 (Contd.)

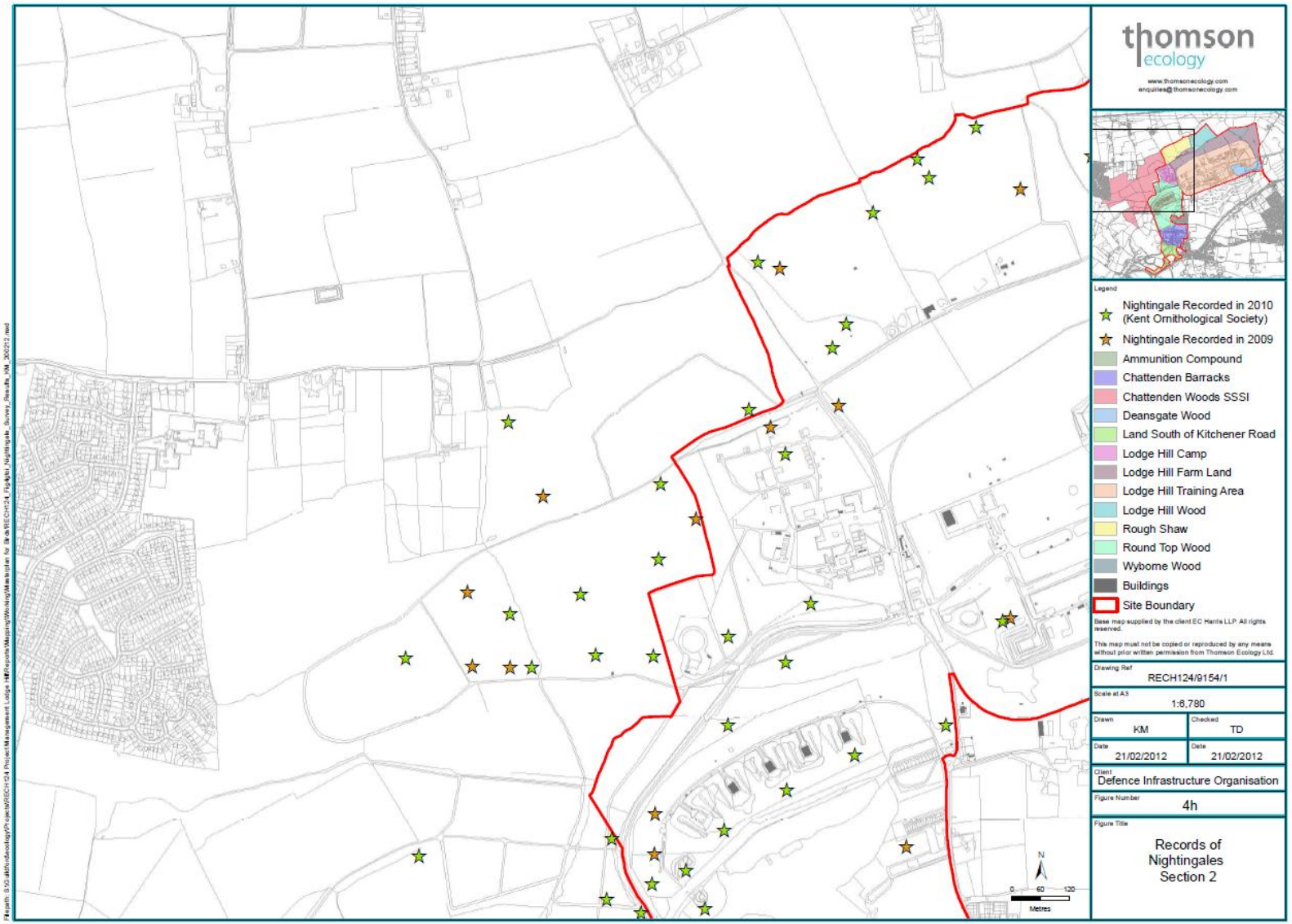
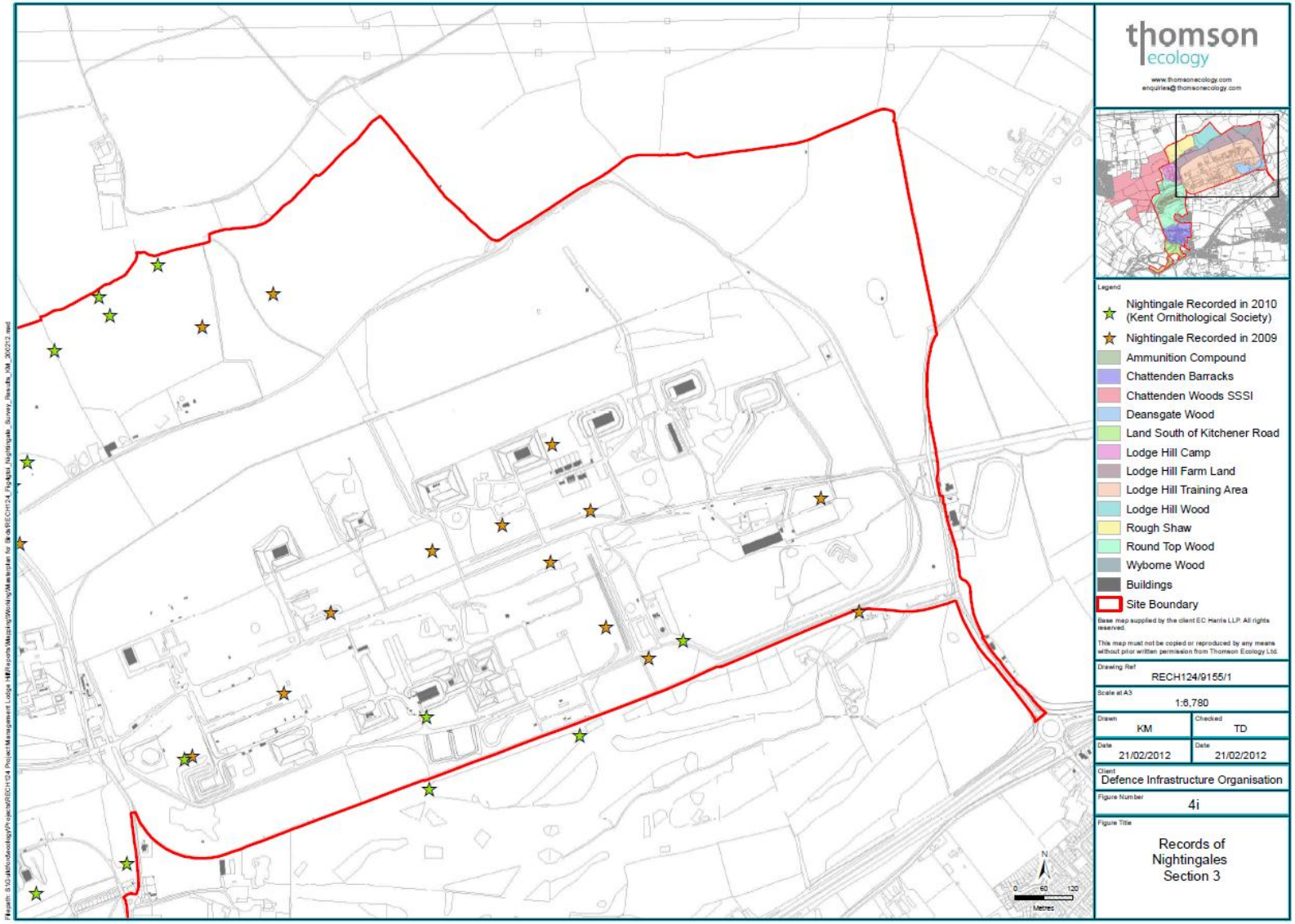


Figure 4 (Contd.)



Appendix 4: SSSI Citation

COUNTY: KENT SITE NAME: CHATTENDEN WOODS

DISTRICT: ROCHESTER UPON MEDWAY

Status: Site of Special Scientific Interest (SSSI) notified under Section 28 of the Wildlife and Countryside Act 1981

Local Planning Authority: ROCHESTER UPON MEDWAY CITY COUNCIL

National Grid Reference: TQ 751737 Area: 133.4 (ha.) 329.5 (ac.)

Ordnance Survey Sheet 1:50,000: 178 1:10,000: TQ 77 SE & SW

Date Notified (Under 1949 Act): 1968 Date of Last Revision: 1981

Date Notified (Under 1981 Act): 1984 Date of Last Revision: –

Other Information:
The boundary has been altered to exclude an area of disturbed habitat.

Reasons for Notification:
This woodland is representative of coppice-with-standards woodland on the London Clay, which is a scarce habitat in Kent away from the Blean Woods. The site is also of importance for its breeding birds. Rough Shaw which is an area of neutral grassland with scattered scrub forms a valuable addition to the woodland.

The standards are largely pedunculate oak *Quercus robur* but ash, field maple, aspen, gean and the scarce wild service also occur. Ash is the most frequent coppice species with hazel and hornbeam also present. Sweet chestnut also is locally frequent and has recently been planted in the southern part of the woods. There is also a varied shrub layer with hawthorn generally predominant but with other species such as birch and wayfaring tree also present.

The ground flora of the woodland is dominated by bluebells *Hyacinthoides non-scripta*, except under coppice which has remained uncut for many years where the flora is sparse. Brambles *Rubus fruticosus* and other climbers, particularly dog rose *Rosa canina* and honeysuckle *Lonicera periclymenum* are abundant in some areas. Several scarce plants are present including the early purple orchid *Orchis mascula* and stinking iris *Iris foetidissima* which is largely restricted to the chalk in Kent.

The breeding birds of the woods include considerable numbers of typical woodland species such as the woodpeckers and of coppice-nesting species such as the turtle dove and several species of warbler. Nightingale and hawfinch are among the less common birds to breed here. The woods were a classic entomological locality during the nineteenth century when for example wood white, heath fritillary, large tortoiseshell and purple emperor butterflies were recorded. Although few recent records exist the woodland is probably still rich in insects.

Rough Shaw is an interesting area of rough neutral grassland with scattered scrub of hawthorn, gorse and brambles. Several uncommon plant species grow in the grassland, with saw-wort *Serratula tinctoria* which is now very scarce in Kent, being the most notable. Other species include pepper-saxifrage *Silaum silaus*, dyer's greenweed *Genista tinctoria*, lady's bedstraw *Galium verum* and burnet-saxifrage *Pimpinella saxifraga*. None of these is found in more improved grassland.

The Ecology Consultancy

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